

# Energy Efficiency Potential Summary Study

Volume 2: Appendices A to D

CALMAC Study ID: PGE0211.02

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May 24, 2006

# Table of Contents

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<b>Appendix A Measure Descriptions for Existing Residential, Commercial, and Industrial Buildings.....</b>	<b>A-1</b>
<b>Appendix B Economic Parameters, Avoided Costs, and Net to Gross.....</b>	<b>B-1</b>
<b>Appendix C ASSET Model Inputs for Existing Residential Buildings .....</b>	<b>C-1</b>
<b>Appendix D ASSET Model Inputs for Existing Commercial Buildings.....</b>	<b>D-1</b>
<b>Appendix E DSM ASSYST Model Inputs for Existing Industrial Buildings .....</b>	<b>E-1</b>
<b>Appendix F Existing Residential Energy Efficiency Potential Results (Results are in Excel files on DVD).....</b>	<b>F-1</b>
<b>Appendix G Existing Commercial Energy Efficiency Potential Results (Results are in Excel files on DVD).....</b>	<b>G-1</b>
<b>Appendix H Existing Industrial Energy Efficiency Potential Results (Results are in Excel files on DVD).....</b>	<b>H-1</b>
<b>Appendix I Residential New Construction Energy Efficiency Potential Results (Results are in Excel files on DVD).....</b>	<b>I-1</b>
<b>Appendix J Commercial New Construction Energy Efficiency Potential Results (Results are in Excel files on DVD).....</b>	<b>J-1</b>
<b>Appendix K Industrial New Construction Energy Efficiency Potential Results (Results are in Excel files on DVD).....</b>	<b>K-1</b>
<b>Appendix L Emerging Technologies Measure Description and Selection Criteria.....</b>	<b>L-1</b>
<b>Appendix M ASSET Documentation.....</b>	<b>M-1</b>
<b>Appendix N DSM ASSYST Methodology and User Guide .....</b>	<b>N-1</b>
<b>Appendix O Residential New Construction Methodology and ASSET Inputs.....</b>	<b>O-1</b>
<b>Appendix P Commercial New Construction Methodology and ASSET Inputs.....</b>	<b>P-1</b>

**Appendix Q Industrial New Construction Methodology and ASSET Inputs..... Q-1**  
**Appendix R Glossary..... R-1**  
**Appendix S Bibliography .....S-1**

# Appendix A

## Measure Descriptions for Existing Residential, Commercial, and Industrial Buildings

This appendix describes how the measures analyzed in the existing residential, commercial, and industrial buildings were selected and how the inputs to model relating to these measures were developed. Appendices O, P, and Q describe the measures analyzed in the new construction analysis and how the inputs to model relating to these measures were developed for the residential, commercial, and industrial sectors, respectively.

### A.1 Residential Measures

#### *Selection of Measures*

The list of electric and gas measures are presented in Table A-1 and Table A-2, respectively. The measure efficiency level, end use, and competition group name are also listed. The competition group name is an ASSET name that can be used to help group measures into base, medium, and high efficiency technology groupings that were used in the analysis. Measures that do not have base technologies associated with the high technology, are retrofit measures added to existing technologies. A description of each measure follows.

**Table A-1. Residential Electric High Efficiency Measure Descriptions**

End Use	Tech	Measure Description	Efficiency Level	Competition Group
HVAC	R_CAC-10	CAC Split/Packaged – SEER 10	Base	RCAC
HVAC	R_CAC_13	CAC Split/Packaged Tier 1 – SEER 13	Mid Efficiency	RCAC
HVAC	R_CAC_14	CAC Split/Packaged Tier 2 - SEER 14	High Efficiency	RCAC
HVAC	R_CAC_15	CAC Split/Packaged Tier 3 - SEER 15	Highest Efficiency	RCAC
HVAC	R_CAC_14_1	CAC Split/Packaged Tier 2 - SEER 14 (Low Income Retrofit CAC)	High Efficiency	RCAC1
HVAC	R_HP_10	HP Split/Packaged – SEER 10	Base	RHP
HVAC	R_HP_13	HP Split/Packaged Tier 1 – SEER 13	Mid Efficiency	RHP
HVAC	R_HP_14	HP Split/Packaged Tier 2 – SEER 14	High Efficiency	RHP
HVAC	R_RAC_Base	Room A/C SEER=8.8	Base	RRAC
HVAC	R_RAC_ES	Room A/C SEER=10.3	High Efficiency	RRAC
HVAC	R_RAC_ES_1	Room A/C SEER=10.3 (Low Income Retrofit RAC)	High Efficiency	RRAC1
HVAC	R_EVAP	Whole House Evaporative Cooler-Retrofit	High Efficiency	REVAP

**Table A-1 (cont'd). Residential Electric High Efficiency Measure Descriptions**

End Use	Tech	Measure Description	Efficiency Level	Competition Group
HVAC	R_WFAN	Whole House Fan with Central A/C - Retrofit	High Efficiency	RFAN
HVAC	R_HVAC_DI	HVAC Diagnostics Retrofit	High Efficiency	RDIAG
HVAC	R_Wind1	Standard Clear Dual Pane Windows	Base	RWIND
HVAC	R_WIND	High Performance Dual Pane Windows	High Efficiency	RWIND
HVAC	R_WINSL_E	Wall Insulation Add R11(blow-in) - Electric Space Heat, CAC – Retrofit	High Efficiency	RWINSLE
HVAC	R_WINSL	Wall Insulation Add R11(blow-in) - Gas Space Heat, CAC – Retrofit	High Efficiency	RWINSL
HVAC	R_AINSL_E	Attic Insulation – Add R19 to R38 - Electric Space Heat, CAC – Retrofit	High Efficiency	RAINSLE
HVAC	R_AINSL	Attic Insulation – Add R19 to R38 - Gas Space Heat, CAC – Retrofit	High Efficiency	RAINSL
HVAC	R_DUCTR_E	Duct Repair – Electric Space Heat, CAC – Retrofit	High Efficiency	RDUCTE
HVAC	R_DUCTR	Duct Repair - Gas Space Heat, CAC – Retrofit	High Efficiency	RDUCT
HVAC	R_INFL_E	Infiltration Control - Electric Space Heat, CAC – Retrofit	High Efficiency	RINFLE
HVAC	R_INFL	Infiltration Control - Gas Space Heat, CAC – Retrofit	High Efficiency	RINFL
Lights	R_INC_40W	40W Incandescent	Base	RLGT_40
Lights	R_CFL_9-12W	9-12W CFL Screw-in	High Efficiency	RLGT_40
Lights	R_INC_60W	60W Incandescent	Base	RLGT_60
Lights	R_CFL_13-17W	13-17W CFL Screw-in	High Efficiency	RLGT_60
Lights	R_INC_75W	75W Incandescent	Base	RLGT_75
Lights	R_CFL_18-22W	18-22W CFL Screw-in	High Efficiency	RLGT_75
Lights	R_CFL_18-22W_H	18-22W CFL Hard-wired	Highest Efficiency	RLGT_75
Lights	R_INC_100W	100W Incandescent	Base	RLGT_100
Lights	R_CFL_23-26W	23-26W CFL Screw-in	High Efficiency	RLGT_100
Lights	R_CFL_23-26W_H	23-26W CFL Hard-wired	Highest Efficiency	RLGT_100
Lights	R_INC_150W	150W Incandescent	Base	RLGT_150
Lights	R_CFL_26-50W	26-50W CFL Screw-in	High Efficiency	RLGT_150
Lights	R_CFL_26-50W_H	26-50W CFL Hard-wired	Highest Efficiency	RLGT_150
Lights	R_INC_R30	R30 Incandescent Reflector	Base	RLGT_R30
Lights	R_CFL_R30	R30 CFL R30 Reflector	High Efficiency	RLGT_R30
Lights	R_INC_R40	R40 Incandescent Reflector	Base	RLGT_R40
Lights	R_CFL_R40	R40 CFL R40 Reflector	High Efficiency	RLGT_TOR2
Lights	R_TORCH_HAL	300W Hallogen Torchiere	Base	RLGT_R40
Lights	R_TORCH_CFL	CFL Torchiere	High Efficiency	RLGT_TOR1
Lights	R_TORCH_INC	190W Incandescent Torchiere	Base	RLGT_TOR1
Lights	R_TORCH_CFL2	CFL Torchiere	High Efficiency	RLGT_TOR2
Lights	R_EXIT_LEDE	Exit Sign - LED Retrofit	High Efficiency	RLGT_EX
Lights	R_Occ_Sens	Occupancy Sensor - Retrofit	High Efficiency	ROCC
Lights	R_Photo	Photocell - Retrofit	High Efficiency	RPHOTO
Misc.	R_Ref_Recy	Refrigerator Recycling	Recycle	RRCY
Misc.	R_Frz_Recy	Freezer Recycling	Recycle	RFRCY
Misc.	R_REF	Refrigerator, 18 cf Side-Mount Freezer	Base	RREF

**Table A-1 (cont'd). Residential Electric High Efficiency Measure Descriptions**

End Use	Tech	Measure Description	Efficiency Level	Competition Group
Misc.	R_REF_ES	Refrigerator, ENERGY STAR 18 cf Side-Mount Freezer – Replace on Burn out	High Efficiency	RREF
Misc.	R_REF_1	Refrigerator, 18 cf Side-Mount Freezer	Base	RREF1
Misc.	R_REF_ES_1	Refrigerator, ENERGY STAR 18 cf Side-Mount Freezer (Low Income Retrofit)	High Efficiency	RREF1
Misc.	R_PP_Base	Base Pool Pump	Base	R_POOL
Misc.	R_PP_OneSpd	Efficient One-Speed Pool Pump	High Efficiency	R_POOL
Misc.	R_PP_TwoSpd	Efficient Two-Speed Pool Pump	Highest Efficiency	R_POOL
Misc.	R_CD_Base	Base Efficient Clothes Dryer, 416 cycles	Base	RDRY_E
Misc.	R_CD_EF	Efficient Clothes Dryer, 416 cycles	High Efficiency	RDRY_E
Water Heaters	R_CW_1.04	Clothes Washer Elec Water Heater, 2.65 Capacity MEF=1.04	Base	RCW_E
Water Heaters	R_CW_1.42	Clothes Washer Elec Water Heater, 2.65 Capacity MEF=1.42	High Efficiency	RCW_E
Water Heaters	R_CW_1.60	Clothes Washer Elec Water Heater, 2.65 Capacity MEF=1.60	Highest Efficiency	RCW_E
Water Heaters	R_DW_0.46	Dishwasher - Elec Water Heater, 215 wash cycles EF=0.46	Base	RDW_E
Water Heaters	R_DW_0.58	Dishwasher - Elec Water Heater, 215 wash cycles EF=0.58	High Efficiency	RDW_E
Water Heaters	R_WH_0.88	Electric Water Heater EF=0.88	Base	RWH
Water Heaters	R_WH_0.93	Electric Water Heater EF=0.93	High Efficiency	RWH
Water Heaters	R_WH_POU_G	Point of Use Water Heater	Highest Efficiency	RWH
Water Heaters	R_WH_FA	Faucet Aerator – Retrofit	High Efficiency	RFA
Water Heaters	R_WH_PW	Pipe Wrap – Retrofit	High Efficiency	RPW
Water Heaters	R_WH_ShW	Low Flow Showerhead – Retrofit	High Efficiency	RSHW
Water Heaters	R_WH_WHW	Water Heater Wrap – Retrofit	High Efficiency	RWHW

**Table A-2. Residential Gas Measure Descriptions**

End Use	Tech	Measure Description	Efficiency Level	Competition Group
HVAC	R_GFURN_80	Gas Furnace - 80 AFUE	Base	RGASF
HVAC	R_GFURN_90	Gas Furnace - 90 AFUE	High Efficiency	RGASF
HVAC	R_GFURN_94	Gas Furnace - 94 AFUE	Highest Efficiency	RGASF
HVAC	R_GFURN_80_1	Gas Furnace - 80 AFUE	Base	RGASF1
HVAC	R_GFURN_90_1	Gas Furnace - 90 AFUE (Low Income Furnace Retrofit)	High Efficiency	RGASF1
Water Heaters	R_WH_0.6_G	Gas Water Heater EF=0.60	Base	RWH_G
Water Heaters	R_WH_0.63_G	Gas Water Heater EF=0.63	High Efficiency	RWH_G
Water Heaters	R_WH_POU_G	Point-of-Use Water Heater	Highest Efficiency	RWH_G
Water Heaters	R_WH_BC_G	Water Heater/Boiler Controllers	High Efficiency	RWHBC
Water Heaters	R_WH_FA_G	Faucet Aerator	High Efficiency	RFA_G
Water Heaters	R_WH_PW_G	Pipe Wrap	High Efficiency	RPW_G
Water Heaters	R_WH_ShW_G	Low Flow Showerhead	High Efficiency	RSHW_G
Water Heaters	R_WH_WHW_G	Water Heater Wrap	High Efficiency	RWHW_G
Water Heaters	R_CW_1.04_G	Clothes Washer - Gas Water Heater & Dry, 2.65 Capacity MEF=1.04	Base	RCW_G
Water Heaters	R_CW_1.42_G	Clothes Washer - Gas Water Heater & Dry, 2.65 Capacity MEF=1.42	High Efficiency	RCW_G
Water Heaters	R_CW_1.60_G	Clothes Washer - Gas Water Heater & Dry, 2.65 Capacity MEF=1.60	Highest Efficiency	RCW_G
Water Heaters	R_DW_0.46_G	Dishwasher - Gas Water Heater, 215 wash cycles EF=0.46	Base	RDW_G
Water Heaters	R_DW_0.58_G	Dishwasher - Gas Water Heater, 215 wash cycles EF=0.58	High Efficiency	RDW_G
Miscellaneous	R_CD_Base_G	Base Clothes Dryer, 416 cycles	Base	RDRY_G
Miscellaneous	R_CD_EF_G	Eff. Clothes Dryer, 416 cycles	High Efficiency	RDRY_G
HVAC	R_AINSL	Attic Insulation - Add R19 to R38 - Gas Space Heat, CAC	High Efficiency	RAINSL
HVAC	R_DUCTR	Duct Repair - Gas Space Heat, CAC	High Efficiency	RDUCT
HVAC	R_INFL	Infiltration Control - Gas Space Heat, CAC	High Efficiency	RINFL
HVAC	R_WINSL	Wall Insulation Add R11 (blow-in) - Gas Space Heat, CAC	High Efficiency	RWINSL

Table A-3 through Table A-6 summarize the review of residential energy efficiency measures included in 2004 IOU program offerings, the measures included in the Kema 2003 Residential Sector Energy Efficiency Potential Study,<sup>1</sup> available data from the 2001 DEER,<sup>2</sup> and the Itron list of recommended measures.<sup>3</sup>

<sup>1</sup> KEMA-Xenergy, Inc. *California Statewide Residential Sector Energy Efficiency Potential Study Final Report. Volumes 1 & 2.* Prepared for Pacific Gas & Electric Company. April 2003.

<sup>2</sup> Xenergy, Inc. *2001 DEER (Database for Energy Efficient Resources) Update Study.* Prepared for the California Energy Commission. August 2001.

<sup>3</sup> Itron, Inc. *WP#1: California Statewide Energy Efficiency Summary Study: Review of Existing Forecasts and Data Inputs Working Paper.* Prepared for Pacific Gas & Electric and the Energy Efficiency Project Advisory Group. August 2004.

**Table A-3. Summary and Comparison of Residential Lighting Measures**

Lighting Measure	IOU Program Offering				Kema 2003 Res. Potential Study	Available from DEER
	PG&E	SDG&E	SCE	SCG		
<b>Screw-in CFLs (new, old)</b>						
450-799 lumens	yes	yes	yes	no	no	yes
800-1099 lumens	yes	yes	yes	no	no	yes
1100-2599 lumens	yes	yes	yes	no	no	yes
>=2600 lumens	yes	yes	yes	no	no	yes
<b>Reflector CFLs</b>						
R30 (15W)	yes	yes	no	no	no	no
R40 (23W)	yes	yes	no	no	no	no
<b>Int. Hardwired CFLs (new, old)</b>						
up to 1099 lumens	yes	yes	yes	no	no	yes
>= 1100 lumens	yes	yes	yes	no	no	yes
<b>Ext. Hardwire CFLs (new, old)</b>						
up to 1099 lumens	yes	yes	yes	no	no	yes
>= 1100 lumens	yes	yes	yes	no	no	yes
<b>Torchieres</b>						
ES Torchiere	yes	yes	yes	no	no	yes
<b>MF Lighting - Additional Measures</b>						
Occ Sensor	yes	no	yes	no	no	yes
Photocell	yes	no	yes	no	no	yes
Exit Sign (new)	yes	no	yes	no	no	yes
Exit Sign (retrofit)	yes	no	yes	no	no	yes
<b>Ceiling Fan w/light</b>						
ES Ceiling fan with CFL	yes	yes	yes	no	no	no
<b>Generic CFL/Incandescent (~20W CFL for 75W Inc)</b>						
0.5 hours/day	no	no	no	no	yes	no
2.5 hours/day	no	no	no	no	yes	no
6 hours/day	no	no	no	no	yes	no
<b>Strip Fluorscent Lighting</b>						
from T12 MagBal to T8 EIBal	no	no	no	no	yes	no



**Table A-4. Summary and Comparison of Residential Appliance and Swimming Pool Measures**

	IOU Program Offering				Kema 2003 Res. Potential Study	Available from DEER
	PG&E	SDG&E	SCE	SCG		
<b>Energy Star Appliances - Clothes Washers</b>						
Base EF=1.18, Tier 1 EF=2.5	yes	yes	no	yes	yes	yes
Base EF=1.18, Tier 1 EF=3.25	yes	yes	no	yes	yes	yes
<b>Energy Star Appliances - Dish Washer</b>						
Base EF=0.46, E Star EF=0.58	yes	yes	no	yes	yes	yes
<b>Energy Star Appliances - Refrigerator</b>						
Energy Star Refrigerator (most IOU efforts through LIEE)	yes	yes	yes	no	yes, but uses an average existing refrigerator as base and not 2001 compliant refrigerator.	Detailed by model type. More importantly, uses 2001 compliant refrigerator as base.
<b>Refrigerator/Freezer Recycling</b>						
Refrigerator Turn-in	yes	yes	yes	no	yes	yes
Freezer Turn-in	yes	yes	yes	no	no	no
<b>High Efficiency Clothes Dryer</b>						
Single Family	no	no	no	no	yes	yes
Multi-family	no	no	no	no	yes	yes
<b>Swimming Pool Pump</b>						
One-Speed	yes	yes	yes	yes	yes	yes
Two Speed	yes	yes	yes	yes	no	yes
<b>Energy Star Appliances - Room A/C</b>						
Base SEER=8.8, E Star SEER=10.3	yes	yes	yes	no	yes	yes

**Table A-5. Summary and Comparison of Residential Water Heat Measures**

Measure	IOU Program Offering				KEMA 2003 Res. Potential Study	Available from DEER
	PG&E	SDG&E	SCE	SCG		
Natural Gas Storage Water Heater (energy factor .6 or >)	yes	yes	no	yes	yes	yes
High Efficiency Electric Water Heater (EF=0.93)	no	no	no	no	yes	yes
Low-Flow Showerhead	yes	no	yes	no	yes	yes
Faucet Aerators (per household)	yes	yes	yes	no	yes	yes
Natural Gas Water Heater and/or Boiler Controllers - MF	yes	yes	no	yes	yes	no
Pipe Wrap	yes	yes	yes	yes	yes	yes
Water Heater Blanket	yes	yes	yes	yes	yes	yes

**Table A-6. Summary and Comparison of Residential HVAC Measures**

	IOU Program Offering				Kema 2003 Res. Potential Study	Available from DEER
	PG&E	SDG&E	SCE	SCG		
<b>HVAC</b>						
ES Programmable Thermostat	yes	yes	yes	yes	yes	yes
Whole House Fan	yes	yes	yes	no	yes	yes
Advanced Whole House Evaporative Cooler	yes	yes	yes	no	yes	yes
High Performance Dual Pane Windows	yes	yes	yes	no	yes	yes
Attic Insulation	yes	yes	yes	yes	yes	yes
Wall Insulation	yes	yes	yes	yes	yes	yes
Split System A/C - (ES)	yes			no	yes	yes
Split System A/C - Tier I (ES)	yes	yes, but	yes, but	no	yes	yes
Split System A/C - Tier II	yes	no	no	no	yes	yes
Split System A/C - Tier III	yes	distinction	distinction	no	yes	yes
Packaged A/C - (ES) <9/30	yes	between	between	no	no	no
Packaged A/C - Tier I (ES) >10/1	yes	split and	split and	no	no	no
Packaged A/C - Tier II	yes	packaged	packaged	no	no	no
Packaged A/C - Tier III	yes			no	no	no
Split System Heat Pump - (ES)	yes			no		
Split System Heat Pump -Tier I (ES)	yes	yes, but	yes, but	no		
Split System Heat Pump - Tier II	yes	no	no	no		
Split System Heat Pump - Tier III	yes	distinction	distinction	no	only one heat pump option	only two heat pump options, SEER 12 and SEER 13
Packaged Heat Pump - (ES)	yes	between	between	no		
Packaged Heat Pump -Tier I (ES)	yes	split and	split and	no		
Packaged Heat Pump -Tier II	yes	packaged	packaged	no		
Packaged Heat Pump -Tier III	yes			no		
80 AFUE Gas Furnace	yes	yes	no	yes	yes	yes
ES 90 AFUE Gas Furnace	yes	yes	no	yes	yes	yes
Attic Ventillation	no	no	no	no	yes	no
HVAC Diagnostics	yes	yes	yes	yes	yes	yes
Duct Repair	yes	yes	yes	yes	yes	yes
Duct Insulation	no	no	no	no	yes	no
Cool Roof	no	no	no	no	yes	no
Window Film	no	no	no	no	yes	yes
Dbl Windows w/Sunscreens	no	no	no	no	yes	yes
Infiltration	yes	yes	yes	yes	yes	yes

**Measure Descriptions**

**Lights**

**Compact Fluorescent Light Bulbs and Hard-Wired Fixtures (CFLs).** Compact fluorescent lamps are designed to replace standard incandescent lamps. They are approximately four times more efficient than incandescent light sources. The lamps come in two configurations: screw-in and hard-wired. The screw-in lamps are designed to directly replace screw-in incandescent lamps with the CFL ballast in the screw-in base. The hard-wired configuration has the lamp and ballast separate and only a CFL lamp (without ballast) can be installed into the fixture. Several different wattage ranges are included in the analysis ranging from a low of 9-12W CFL to a high of 26-50W CFL. Two CFL reflector lamp options are also include in the analysis: an R30 and an R40.

**Torchieres.** Torchieres provide high lumen lighting and have traditionally been outfitted with halogen lamps of about 300W or incandescent lamps of about 200W. Analysis is included for both of these torchiere configurations. The first measure configuration has a base 300W halogen torchiere replaced by a two-lamp 70W CFL torchiere. The second measure configuration has a base 190W incandescent torchiere replaced by a 55W CFL torchiere. These CFL torchieres are hard-wired.

**Multifamily Common Area Occupancy Sensors.** Occupancy sensors (infrared or ultrasonic motion detection devices) turn lights on upon entry of a person into a room, and then turn the lights off from half a minute to 20 minutes after they have left. It is assumed that there is one occupancy sensor for every eight multifamily units in a complex.

**Multifamily Common Area Outdoor Lighting Photocell Controls.** Photocells can be used to automatically control both outdoor lamps and indoor lamps adjacent to skylights and windows. When lights do not need to be on all night, a photocell provides maximum savings and eliminates the need for manual operation and seasonal time clock adjustments. It is assumed that there is one photocell for every eight multifamily units in a complex.

**Multifamily Common Area LED Exit Signs.** Light Emitting Diode (LED) exit signs offer significant savings over traditional incandescent bulb-based exit signs and even over CFL-based exit signs. The analysis assumes that an LED exit sign saves about 36W per unit. It is assumed that there is one exit sign for every eight multifamily units in a complex.

### **Miscellaneous**

**Energy Efficient Clothes Dryers.** A standard clothes dryer uses various temperatures and drying durations to dry clothes depending on the clothing type and size of the laundry load. In general, the dryer cylinder is spun to rotate the wet clothes as hot air is injected into the drying cylinder. Wet moist air is then exhausted from the dryer. The cycle duration is manually set. An energy efficient clothes dryer uses a moisture-sensing device to terminate the drying cycle rather than using a timer. In addition, an energy efficient motor is used for spinning the dryer tub. Expected savings are 5% of clothes dryer energy use.

**ENERGY STAR Refrigerators.** ENERGY STAR refrigerators must exceed the stringent July 1, 2001 minimum federal standards for refrigerator energy consumption by at least 10%. An energy efficient refrigerator/freezer is designed by improving the various components of the cabinet and refrigeration system. These component improvements include cabinet insulation, compressor efficiency, evaporator fan efficiency, defrost controls, oversized condenser coils, and improved door seals. The analysis was performed under the assumptions that ENERGY STAR refrigerators save 64 kWh/year if they are replacements after burnout or 607 kWh/year if they are early retirement refrigerators.

**Refrigerator and Freezer Recycling.** For this measure, it is assumed that useable older refrigerators and freezers (10 or more years old) are either retired (when used as second refrigerators or freezers) or replaced early with a new refrigerator or freezer. The analysis was performed under the assumptions that the recycled refrigerator would save 1,946 kWh/year and the recycled freezer 1,662 kWh/year.

**Single Speed Pool Pump and Motor.** This measure involves the replacement of a standard efficiency single speed pool pump and motor with a new high efficiency single speed pump and motor. New efficient pumps and motors have high efficiency capacitor start, capacitor run motors, high efficiency permanent split capacitor motors, and newer closed face impeller pumps. It is assumed that the measure is part of an efficiency program that requires pump and motor downsizing, run time reduction, and off-peak operation. The analysis was performed under the assumption that the single speed pool pump and motor saves 650 kWh/year.

**Two-Speed Pool Pump and Motor.** This measure involves the replacement of a standard efficiency single speed pool pump and motor with a new high efficiency two-speed pump and motor. New efficient pumps and motors have high efficiency capacitor start, capacitor run motors, high efficiency permanent split capacitor motors, and newer closed face impeller pumps. It is assumed that the measure requires installation of a two-speed pump and motor with compatible time clock to insure that most of the pool pump run time is at low speed. The analysis was performed under the assumption that the two-speed pool pump and mother saves 1,400 kWh/year.

### **Hot Water Heating**

**High Efficiency Water Heater.** This measure involves substitution of a standard efficiency water heater with a high efficiency unit. For gas water heaters, this involves moving from a base Energy Factor (EF) of 0.6 to an efficient EF of 0.63; for electric water heaters, moving from a base EF of 0.88 to an efficient EF of 0.93. Energy factors are a measure of water heater efficiency that combines recovery efficiency with standby losses.

**Point-of-Use Water Heater.** Point-of-use water heaters eliminate the standby tank (and associated losses) of a standard water heater. The water is heated instantaneously at the point of use by a high energy heat source that can be either gas or electric.

**Boiler Controls.** Controllers optimize the performance of a boiler by learning the daily demand pattern of domestic hot water and adjusting the water supply accordingly. The controllers usually have the ability to automatically lower water temperatures during low use periods.

**Low Flow Showerhead.** Current federal standards mandate that low flow showerheads have a maximum flow rate of 2.5 gallons per minute. Many low flow showerheads use 1.0-2.5 gallons per minute compared to this 2.5 gallons per minute. The reduction in shower water use can substantially lower water heating energy use since showering accounts for about one-fourth of total domestic hot water energy use.

**Faucet Aerators.** Water faucet aerators are threaded screens that attach to existing faucets. They reduce the volume of water coming out of faucets while introducing air into the water stream. A standard non-conserving faucet aerator has a typical flow rate of 3-5 gallons per minute. A water-saving aerator can reduce the flow to 1-2 gallons per minute. The reduction in the flow rate will lower hot water use and save energy (kitchen and bathroom sinks account for approximately 7% of total domestic hot water energy use). Under current Title 24 Standards, new faucets can have a maximum flow rate of 2.2 gallons per minute; thus, this measure applies only to retrofits.

**Pipe Wrap.** Thermal insulation is material or combinations of materials that are used to inhibit the flow of heat energy by conductive, convective, and radiative transfer modes. By inhibiting the flow of heat energy, thermal insulation can conserve energy by reducing heat loss or gain. Insulation material inhibits the transfer of heat through the hot water tanks and hot water pipe. In residential applications, usually the first five feet of pipe closest to the domestic water heater is insulated. Small pipes are insulated with cylindrical half-sections of insulation with factory-applied jackets that form a hinge-and-lap or with flexible closed cell material.

**Water Heater Blanket.** Adding water heater blankets to the hot water storage tank can prevent standby heat loss. This measure is especially effective when installed on older, less-insulated tanks. Insulation levels on automatic storage heaters can be increased by installing a fiberglass blanket on the outside of the tank. This increase in insulation reduces standby losses and saves energy. This measure only applies to older water heater tanks as new ones have sufficient levels of insulation built in.

**ENERGY STAR Clothes Washers.** A standard clothes washer uses various temperatures, water levels, and cycle durations to wash clothes depending on the clothing type and size of the laundry load. A horizontal axis clothes washer utilizes a cylinder that rotates horizontally to wash, rinse, and spin the clothes. These types of washing machines can be top-loading or front-loading, and use significantly less water (hot and cold) than the standard vertical axis machines. A vertical axis machine generally fills the tub until all of the clothes are immersed in water. In contrast, the horizontal axis machine only requires about one third of the tub to be full, since the rotation of the drum around its axis forces the clothes into the water and thus can drastically reduce the total energy use for washing. These machines are also easier on clothes and use less detergent. The analysis was performed under the assumptions that the

clothes washer has a capacity of 2.65 cubic feet. The base efficiency had a Modified Energy Factor (MEF) of 1.04. Two high efficiency options were included in the analysis: one with an MEF of 1.42 and the other with an MEF of 1.60.

***ENERGY STAR Dishwashers.*** ENERGY STAR-labeled dishwashers save by using both improved technology for the primary wash cycle, and by using less hot water to clean. They include more effective washing action, energy efficient motors, and other advanced technology such as sensors that determine the length of the wash cycle and the temperature of the water necessary to clean the dishes. The analysis was performed under the assumptions that the baseline Energy Factor (EF) was 0.46 and the ENERGY STAR EF was 0.58.

### **HVAC**

***Whole House Fans.*** Whole house fans keep a home cool during the cooling months instead of running the air conditioner. These fans typically consume 0.22kW (1/3 hp), about one-third the consumption of a central air conditioner. These fans pull cool air from the outside, move air through the house, and/or remove hot air through the attic.

***Whole House Evaporative Coolers.*** Evaporative cooling units use a constant enthalpy process in which they evaporate water into the supply air system, lowering the temperature and raising the humidity. This measure can be used instead of mechanical cooling, but the applicability and cooling capacity of the unit are highly dependent on the local dry-bulb and wet-bulb temperatures. The evaporative cooler is modeled as a retrofit measure replacing a central air conditioning unit. Due to the dry-bulb and wet-bulb temperature requirements, the measure is not applied in coastal climate zones.

***High Performance Dual Pane Windows.*** Windows affect building energy use through thermal heat transfer (U-value), solar heat gains (shading coefficient), daylighting (visible light transmittance), and air leakage. The performance of a window is determined by the type of glass, the number of panes, the solar transmittance, the thickness of, and the gas type used in the gap between panes (for multi-pane windows). High performance dual pane windows have a U-factor of 0.4 or less and a Solar Heat Gain Coefficient of 0.4 or less.

***Ceiling Insulation.*** Insulation material inhibits the transfer of heat through the roof, wall, or floor structure. The type of building construction helps define insulating possibilities. Because there are a variety of structure construction types, the choice of insulation materials will also vary. Typical insulating materials include loose-fill (blown) cellulose, loose-fill (blown) fiberglass, batts of fiberglass, and rigid polystyrene. For this analysis, it is assumed that ceiling insulation values are moving from R-19 to R-38. The measure is assumed to

save both electricity and natural gas and is modeled for electrically cooled and heated homes and for electrically cooled and gas heated homes.

**Wall Insulation.** For existing construction, this measure involves adding R-11 insulation to uninsulated walls. This is usually accomplished by drilling holes into the building's siding and blowing in insulation material. The measure is assumed to save both electricity and natural gas and is modeled for electrically cooled and heated homes and for electrically cooled and gas heated homes.

**Infiltration Reduction.** Infiltration reduction measures include weather-stripping and caulking. These measures reduce energy consumption by improving the tightness of the building shell and limiting heat gain and loss. Home installation of these measures is usually most effective at fixing easily found leaks. Professional installation of these measures sometimes includes use of blower doors and is usually much more effective than home installation methods. The measure is assumed to save both electricity and natural gas and is modeled for electrically cooled and heated homes and for electrically cooled and gas heated homes.

**Central Air Conditioner Upgrade.** Air conditioner equipment includes a compressor, an air-cooled or evaporative-cooled condenser (located outdoors), an expansion valve, and an evaporator coil (located in the supply air duct near the supply fan). Cooling efficiencies vary based on the quality of the materials used, the size of equipment, the condenser type, and the configuration of the system. Central air conditioners may be of the unitary variety (all components housed in a factory-built assembly) or be a split system (an outdoor condenser section and an indoor evaporator section connected by refrigerant lines and with the compressor at either the outdoor or indoor location). Efficient air conditioner measures involve the upgrade of a standard efficiency unit to a higher efficiency unit. Initially, the base SEER is 10.0, but in 2006, the base SEER changes to 13.0 to reflect the new Title 24 code. High efficiency units go as high as 15 SEER.

The high efficiency air conditioning systems included in the analysis are assumed to also have a thermostatic expansion valve (TXV). TXVs optimize refrigerant flow over a wide range of load conditions. The TXV helps regulate the refrigerant to match the load conditions inside the home, thereby reducing compressor use. The air conditioners then operate about 10-20% more efficiently.

**High Efficiency Room Air Conditioner.** Window- (or wall-) mounted room air conditioners are designed to cool individual rooms or spaces. This type of unit incorporates a complete air-cooled refrigeration and air-handling system in an individual package. Cooled air is discharged in response to thermostatic control to meet room requirements. Each unit has a self-contained, air-cooled direct expansion (DX) cooling system and associated controls.

The efficient room air conditioner measure involves the upgrade of a standard efficiency unit (8.8 SEER) to a higher efficiency unit (10.3 SEER).

**Heat Pump.** Heat pumps consist of a refrigeration system using a direct expansion cycle. Equipment includes a compressor, an air-cooled or evaporative-cooled condenser (located outdoors), an expansion valve, an evaporator coil (located in the supply air duct near the supply fan) and a reversing valve to change the DX cycle from cooling to heating when required. The cooling and heating efficiencies vary based on the quality of the materials used, the size of equipment, the condenser type, and the configuration of the system. Heat pumps may be of the unitary variety (all components housed in a factory-built assembly) or be a split system (outdoor condenser section and an indoor evaporator section connected by refrigerant lines and with the compressor at either the outdoor or indoor location). Initially, the base SEER is 10.0, but in 2006, the base SEER changes to 13.0 to reflect the new Title 24 code. High efficiency units go as high as 14 SEER.

**Natural Gas Furnace.** Standard efficiency natural gas furnaces have Annual Fuel Use Efficiencies (AFUEs) of 80. Efficiency is dependent on vent type, burner type, and heat transfer surface. The efficient units considered for this analysis have AFUEs of 90 and 94.

**HVAC Diagnostic Testing.** This measure involves diagnostic services for existing central air conditioners to improve their efficiency. Inspection and services of air conditioning systems involves checking the refrigerant level, cleaning the coils, cleaning the blower, and cleaning or replacing filters. Additionally, furnace adjustments increase efficiency by insuring that the furnace fan stays on as long as there is heat in the exchanger. Fan Off control is adjusted to maximize efficiency.

**Duct Repair.** An ideal duct system would be free of leaks, especially when the ducts are outside the conditioned space. Leakage in unsealed ducts varies considerably with the fabricating machinery used, the methods for assembly, installation workmanship, and age of the ductwork. To seal ducts, a wide variety of sealing methods and products exist. Care should be taken to tape or otherwise seal all joints to minimize leakage in all duct systems and the sealing material should have a projected life of 20-30 years. Current duct sealing methods include use of computer-controlled aerosol and pre- and post-sealing duct pressurization testing. The measure is assumed to save both electricity and natural gas and is modeled for electrically cooled and heated homes and for electrically cooled and gas heated homes.



## A.2 Commercial Measures

### Selection of Measures

The list of electric and gas measures is presented in Table A-7 and Table A-8, respectively. A description of each measure follows.

**Table A-7. Commercial Sector Electricity Measures**

End Use	Tech	Measure Name	Efficiency Level	Competition Group
HVAC	2_HV_CHTuneUp	Chiller Tune-Up – Retrofit	High Efficiency	HVAC14
HVAC	2_HV_CoolRoof	Cool Roofs – Retrofit	High Efficiency	HVAC22
HVAC	2_HV_ChilPmpVF	Cooling Circulation Pump VSD – Retrofit	High Efficiency	HVAC24
HVAC	2_HV_DXTuneUp	DX Tune-Up	High Efficiency	HVAC15
HVAC	1_HV_PACge65	High Efficiency A/C - Package Air Conditioners (> 65 kBtu/hr) – SEER 10	Base	HVAC3
HVAC	2_HV_PACge6513	High Efficiency A/C - Package Air Conditioners (> 65 kBtu/hr) – SEER 13	High Efficiency	HVAC3
HVAC	3_HV_PACge6514	High Efficiency A/C - Package Air Conditioners (> 65 kBtu/hr) – SEER 14	Highest Efficiency	HVAC3
HVAC	1_HV_PAClt65	Base Efficiency A/C - Package Air Conditioners (<65 kBtu/hr) – SEER 10	Base	HVAC2
HVAC	2_HV_PAClt6513	High Efficiency A/C - Package Air Conditioners (<65 kBtu/hr) – SEER 13	High Efficiency	HVAC2
HVAC	3_HV_PAClt6514	High Efficiency A/C - Package Air Conditioners (<65 kBtu/hr) – SEER 14	Highest Efficiency	HVAC2
HVAC	1_HV_CentChBase	Standard Efficiency Centrifugal Chiller – 0.58 kW per ton	Base	HVAC1
HVAC	2_HV_CentChHEff	High Efficiency Centrifugal Chiller – 0.51 kW per ton	High Efficiency	HVAC1
HVAC	2_HV_PTUge24HE	Base Efficiency Package Terminal A/C Unit or Heat Pump (>240 kBtu/hr)	Base	HVAC13
HVAC	1_HV_PTUge24	High Efficiency Package Terminal A/C Unit or Heat Pump (>65 kBtu/hr)	High Efficiency	HVAC13
HVAC	1_HV_PTUlt24	Base Efficiency Package Terminal A/C Unit or Heat Pump (<65 kBtu/hr)	Base	HVAC10
HVAC	2_HV_PTUlt24HE	High Efficiency Package Terminal A/C Unit or Heat Pump (<65 kBtu/hr)	High Efficiency	HVAC10
HVAC	1_HV_RecChBase	Standard Efficiency Reciprocating Chiller – 0.58 kW per ton	Base	HVAC1A
HVAC	2_HV_RecChHEff	High Efficiency Reciprocating Chiller – 0.51 kW per ton	High Efficiency	HVAC1A
HVAC	2_HV_VAV	HVAC Fan Motor VSD – Retrofit	High Efficiency	HVAC23
HVAC	2_HV_TCtIszE	Programmable Thermostat – DX – Retrofit	High Efficiency	HVAC21szE
HVAC	2_HV_RflSngPane	Reflective Window Film – Single Pane – Retrofit	High Efficiency	HVAC20E
Lights	1_LT_INC60	60W Incandescent	Base	INCAN2
Lights	2_LT_CFL15s	13-17W CFL – Screw-in	High Efficiency	INCAN2
Lights	3_LT_CFL15p	13-17W CFL - Hard-wired	Highest Efficiency	INCAN2

**Table A-7 (cont'd). Commercial Sector Electricity Measures**

End Use	Tech	Measure Name	Efficiency Level	Competition Group
Lights	1_LT_INC75	75W Incandescent	Base	INCAN3
Lights	2_LT_CFL20s	18-22W CFL – Screw-in	High Efficiency	INCAN3
Lights	3_LT_CFL20p	18-22W CFL – Hard-wired	Highest Efficiency	INCAN3
Lights	1_LT_INC120	100-120W Incandescent	Base	INCAN5
Lights	2_LT_CFL38s	26-50W CFL – Screw-in	High Efficiency	INCAN5
Lights	3_LT_CFL38p	26-50W CFL – Hard-wired	Highest Efficiency	INCAN5
Lights	1_LT_IRIP60	60W Incandescent Reflector	Base	INCAN6
Lights	2_LT_CRCP14s	13-17W CFL Reflector	High Efficiency	INCAN6
Lights	2_LT_DLInst	Electronic Ballast, Dimming (with daylighting) - Retrofit	High Efficiency	DL1
Lights	1_LT_EXINC300	Exterior 200-400W Incandescent	Base	HID11i
Lights	2_LT_EXMH100i	Exterior Pulse Start MH 0-100W (incandescent base)	High Efficiency	HID11i
Lights	1_LT_EXMV175	Exterior 150-200 W Mercury Vapor	Base	HID11mv
Lights	2_LT_EXMH100mv	Exterior Pulse Start MH 0-100W (mercury vapor base)	High Efficiency	HID11mv
Lights	1_LT_EXINC500	Exterior 400-600W Incandescent	Base	HID12i
Lights	2_LT_EXPS175i	Exterior Pulse Start MH 100-175W (incan base case)	High Efficiency	HID12i
Lights	1_LT_EXMV250	Exterior 200-350 W Mercury Vapor	Base	HID12mv
Lights	2_LT_EXPS175mv	Exterior Pulse Start MH 100-175W (merc. vapor base case)	High Efficiency	HID12mv
Lights	1_LT_EXINC700	Exterior > 600W Incandescent	Base	HID13i
Lights	2_LT_EXPS250i	Exterior Pulse Start MH 175W> (incan base case)	High Efficiency	HID13i
Lights	1_LT_EXMV400	Exterior > 350 W Mercury Vapor	Base	HID13mv
Lights	2_LT_EXPS250mv	Exterior Pulse Start MH 175W> (merc. vapor base case)	High Efficiency	HID13mv
Lights	1_LT_4T12	T12 Electric Ballest (4Ft)	Base	FLOUR1a
Lights	2_LT_4T8_5	HE T8 or T5 fixtures w/Elec Ballast (4Ft) Fixture Change Out	High Efficiency	FLOUR1a
Lights	1_LT_MH400	350-400 W Metal Halide	Base	HID6
Lights	2_LT_PS320	Interior Metal Halide Pulse-Start Fixture	High Efficiency	HID6
Lights	3_LT_HIDT5HO	HO T5 4-Lamp Hi-Bay Fixture	Highest Efficiency	HID6
Lights	1_LT_INC200	150-200W Incandescent	Base	HID1i
Lights	2_LT_MH70i	Interior HID Fixture 36-70 W (incandescent base)	High Efficiency	HID1i
Lights	1_LT_EXMV175	50-125W Mercury Vapor	Base	HID1mv
Lights	2_LT_EXMH100mv	Interior HID Fixture 36-70 W (mercuryvapor base)	High Efficiency	HID1mv
Lights	1_LT_EXINC500	200-300W Incandescent	Base	HID2i
Lights	2_LT_EXPS175i	Interior HID fixture 71-100 W (incandescent base)	High Efficiency	HID2i
Lights	1_LT_EXMV250	125-250W Mercury Vapor	Base	HID2mv
Lights	2_LT_EXPS175mv	Interior HID Fixture 71-100 W (mercury vapor base)	High Efficiency	HID2mv
Lights	1_LT_INC500i	300-500W Incandescent	Base	HID3i
Lights	2_LT_MH175i	Interior HID Fixture 101-175 W (incandescent base)	High Efficiency	HID3i
Lights	1_LT_MV250	250-300W Mercury Vapor	Base	HID3mv
Lights	2_LT_MH175mv	Interior HID Fixture 101-175 W (mercury vapor base)	High Efficiency	HID3mv

**Table A-7 (cont'd). Commercial Sector Electricity Measures**

End Use	Tech	Measure Name	Efficiency Level	Competition Group
Lights	1_LT_INC750i	500-750W Incandescent	Base	HID4i
Lights	2_LT_MH250i	Interior HID fixture 176-250 W (incandescent base)	High Efficiency	HID4i
Lights	1_LT_MV400	300-450W Mercury Vapor	Base	HID4mv
Lights	2_LT_MH250mv	Interior HID fixture 176-250 W (mercury vapor base)	High Efficiency	HID4mv
Lights	2_LT_EXLED	LED Exit Signs – Retrofit	High Efficiency	EXIT1
Lights	2_LT_OCCMS	Occupancy Sensor – Motion Sensor – Retrofit	High Efficiency	OCC1
Lights	2_LT_OCCPCDInst	Occupancy Sensor – Plug Load – Retrofit	High Efficiency	OCC2
Lights	1_LT_PCNoCtrl	No Control	Base	PC1
Lights	4_LT_PCPT	Photocell Control	High Efficiency	PC1
Lights	3_LT_PCTC	Time Clock Control	Higher Efficiency	PC1
Lights	2_LT_PCPC	Photocell/Time Clock Control	Highest Efficiency	PC1
Lights	2_LT_RFLCSpec4	Reflectors with Delamping, (4-foot lamp removed) – Retrofit	High Efficiency	RFLC1
Lights	2_LT_RFLCSpec8	Reflectors with Delamping, (8-foot lamp removed) – Retrofit	High Efficiency	RFLC2
Lights	1_LT_8T12	T12 or T8 Lamps with Electric Ballast	Base	FLOUR4a
Lights	2_LT_8T82ndG	T8 Lamps, 2 <sup>nd</sup> Gen Electric Ballast (8Ft) Fixture Change out	High Efficiency	FLOUR4a
Misc.	1_OF_SmlCopy	Small Standard Copy Machine	Base	OFFICE1
Misc.	2_OF_SmlCopyES	Small ENERGY STAR Copy Machine	High Efficiency	OFFICE1
Misc.	2_VN_NonRefHE	Vending Machine Control – Non-Refrigerated – Retrofit	High Efficiency	VEND1
Misc.	2_VN_CldDrnkHE	Vending Machine Control – Refrigerated – Retrofit	High Efficiency	VEND2
Misc.	1_CK_HoldCbnt	Base Efficiency Holding Cabinet	Base	COOK5
Misc.	2_CK_HoldCbntHE	Insulated Holding Cabinet	High Efficiency	COOK5
Misc.	1_CK_FdStmr	Base Efficiency Steamer	Base	COOK6
Misc.	2_CK_Pressureles	Pressure less Steamer	High Efficiency	COOK6
REFG	2_REF_MPFHP	Add Floating Head Pressure Control to Multiplex System – Retrofit	High Efficiency	REF_MPFHP
REFG	2_REF_ASHCtrl	Anti-Sweat Heater Controls – Retrofit	High Efficiency	REF_ASH
REFG	1_REF_Conv2MPX	Single Line Compressor	Base	REF_CONVSL2MPX
REFG	2_REF_HEMPX	Conventional Single-Line to Multiplex Compressor System	High Efficiency	REF_CONVSL2MPX
REFG	2_REF_WIFanECM	Baseline Standard Shaded Pole Evaporator Fan Motor In Walk-Ins	Base	REF_WIEVAPMTR
REFG	1_REF_WIFanStd	Electronically Commutated (ECM) Evaporator Fan Motor For Walk-Ins	High Efficiency	REF_WIEVAPMTR
REFG	1_REF_DCFanStd	Baseline Standard Shaded Pole Evaporator Fan Motor	Base	REF_DCEVAPMTR
REFG	2_REF_DCFanPSC	Permanent-Split Capacitor (PSC) Evaporator Fan Motor	High Efficiency	REF_DCEVAPMTR
REFG	3_REF_DCFanECM	Electronically Commutated (ECM) Evaporator Fan Motor	Highest Efficiency	REF_DCEVAPMTR
REFG	2_REF_WIFnCtlHE	Evaporator Fan Controller For Walk-In Coolers – Retrofit	High Efficiency	REF_WIEVAP
REFG	1_REF_StdLTComp	Low-Temperature Compressor with EER <=4.86	Base	REF_LTCONVCOMP
REFG	2_REF_HELTComp	High Efficiency Low-Temperature Compressor with EER >=5.2	High Efficiency	REF_LTCONVCOMP
REFG	2_REF_WICrmHE	Infiltration Barriers for Walk-Ins – Retrofit	High Efficiency	REF_WI

**Table A-7 (cont'd). Commercial Sector Electricity Measures**

End Use	Tech	Measure Name	Efficiency Level	Competition Group
REFG	2_REF_GIDrLowHE	Low Temp Vertical Open Case to New Reach-In – Retrofit	High Efficiency	REF_GLASSDRLOW
REFG	2_REF_GIDrMedHE	Medium Temp Vertical Open Case to New Reach-In – Retrofit	High Efficiency	REF_GLASSDRMED
REFG	1_REF_MPXStdCnd	Standard Condenser Multiplex Compressor System	Base	REF_MPXEFFCOND
REFG	2_REF_MPXOvrCnd	Multiplex System with Efficient (oversized) Condenser	High Efficiency	REF_MPXEFFCOND
REFG	2_REF_NtCvCfHE	Night Covers for Horizontal Display Case – Retrofit	High Efficiency	REF_NITECVRCOF
REFG	2_REF_NtCvMdHE	Night Covers for Vertical Display Case – Retrofit	High Efficiency	REF_NITECVRMLT

**Table A-8. Commercial Sector Gas Measures**

End Use	Tech	Measure Name	Efficiency Level	Competition Group
Miscellaneous	1_CK_GasFryer	Standard Gas Fryer	Base	COOK1
Miscellaneous	2_CK_GasFryerIF	Catalytic Infrared Gas Fryer	High Efficiency	COOK1
Miscellaneous	1_CK_Oven	Standard Gas Oven	Base	COOK3
Miscellaneous	2_CK_CnvcOven	Convection Gas Oven	High Efficiency	COOK3
Miscellaneous	1_CK_Griddle	Standard Gas Griddle	Base	COOK4
Miscellaneous	2_CK_Griddle	Efficient Griddle - Gas	High Efficiency	COOK4
Miscellaneous	1_CK_PzOven	Standard Gas Pizza Oven	Base	COOK2
Miscellaneous	2_CK_CnveyrOven	Power Burner Conveyor Belt Oven - Gas	High Efficiency	COOK2
Miscellaneous	1_WH_GasComm	Commercial Clothes Washer with Gas Water Heat	Base	WATER1
Miscellaneous	2_WH_GasHorzAxis	Commercial Horizontal Axis Clothes Washer w Gas Water Heat	High Efficiency	WATER1
Miscellaneous	1_WH_Storage	Standard Efficiency Gas Water Heater, EF = 0.6	Base	WATER2
Miscellaneous	2_WH_StorageHE	High Efficiency Gas Water Heater, EF = 0.7	High Efficiency	WATER2
Miscellaneous	3_WH_Instnt	Instantaneous Gas Water Heater	Highest Efficiency	WATER2
Miscellaneous	2_WH_CircTimer	Hot Water Circulation Pump Time Clock – Retrofit	High Efficiency	WATER3
HVAC	2_HV_BPipeIns	Boiler Pipe Insulation - Retrofit	High Efficiency	HVAC29
HVAC	2_HV_SpHtBITune	Gas Boiler Tune-Up - Retrofit	High Efficiency	HVAC19
HVAC	1_HV_SpHtBIBase	Base Space Heating Boiler	Base	HVAC18
HVAC	2_HV_SpHtBIHEff	High Efficiency Space Heating Boiler (>= 85% efficient)	High Efficiency	HVAC18
HVAC	2_HV_TCtlzszG	Programmable Thermostat – DX – Retrofit	High Efficiency	HVAC21SZ

Table A-9 through Table A-15 summarize the review of commercial energy efficiency measures included in current IOU program offerings, the measures included in the KEMA Commercial Sector Energy Efficiency Potential Study,<sup>4</sup> available data from the DEER,<sup>5</sup> and the Itron list of recommended measures.<sup>6</sup>

<sup>4</sup> KEMA-Xenergy, Inc. *California Statewide Commercial Sector Energy Efficiency Potential Study Final Report Volumes 1 & 2*. Prepared for Pacific Gas & Electric Company. July 2002.

<sup>5</sup> Xenergy 2001, op. cit.

<sup>6</sup> Itron, Inc. *WP#1* 2004, op. cit.

**Table A-9. Summary and Comparison of Commercial Lighting Measures**

Lighting	IOU Program Offering				Kema Statewide Potential Study	Available in DEER
	PG&E	SDG&E	SCE	SCG		
Screw-in Compact Fluorescent Lamp, 5 - 13 watts	yes	yes	yes	no	no	yes
Screw-in Compact Fluorescent Lamp, 14-26 watts	yes	yes	yes	no	yes	yes
Screw-in Compact Fluorescent Lamp, >=27watts	yes	yes	yes	no	no	yes
Hardwired Fluorescent Fixture, 5-13 watts	yes	yes	yes	no	no	no
Hardwired Fluorescent Fixture, 14-26 watts	yes	yes	yes	no	no	no
Hardwired Fluorescent Fixture, 27-65 watts(incandescent basecase)	yes	yes	yes	no	no	no
Hardwired Fluorescent Fixture, 27-65 watts(mercury vapor basecase)	yes	no	yes	no	no	no
Hardwired Fluorescent Fixture, 66-90 watts(incandescent base case)	yes	no	yes	no	no	no
Hardwired Fluorescent Fixture, 66-90 watts(mercury vapor base case)	yes	no	yes	no	no	no
Hardwired Fluorescent Fixture, >90 watts(incandescent base case)	yes	no	yes	no	no	no
Hardwired Fluorescent Fixture, >90 watts(mercury vapor base case)	yes	no	yes	no	no	no
CFL R30 Reflector 15 W	yes	yes	no	no	no	no
CFL R30 Reflector 23 W	yes	yes	no	no	no	no
Electronic Ballast, Dimming(with daylighting)	yes	no	yes	no	yes	yes
Electronic Ballast, Non-Dimming	yes	no	yes	no	no	no
Ceramic Metal Halide Fixture	yes	no	no	no	no	no
Induction Lamps and fixtures >100 watts	yes	no	yes	no	no	no
Induction Lamps and fixtures <=55 watts	no	no	yes	no	no	no
Induction Lamps and fixtures 55 - 100 watts	no	no	yes	no	no	no
Exit Sign Retrofit Kit	yes	no	yes	no	no	yes
LED Exit Sign	yes	yes	yes	no	no	yes
LED Traffic Signal (RED)	no	no	yes	no	no	no
LED Traffic Signal Amber Flashing	yes	no	yes	no	no	no
LED Traffic Signal (Green)	yes	no	yes	no	no	no
LED Traffic Signal (hand/pedestrian)	yes	no	yes	no	no	no
LED Channel Signage (Red) indoor <2ft	yes	no	yes	no	no	no
LED Channel Signage (Red) indoor >2ft	yes	no	yes	no	no	no
LED Channel Signage (Red) outdoor <2ft	yes	no	yes	no	no	no
LED Channel Signage (Red) outdoor >2ft	yes	no	yes	no	no	no
LED: SIGNAL, 12" Green Arrow	yes	no	no	no	no	no
T-8 Lamp and Electronic, 2-foot lamp installed	yes	yes	yes	no	no	yes
T-8 Lamp and Electronic, 3-foot lamp installed	yes	yes	yes	no	no	yes
T-8 Lamp and Electronic, 4-foot lamp installed	yes	yes	yes	no	yes - 2 and 4 bulb fixtures	no
T-8 Lamp and Electronic, 8-foot lamp installed	yes	yes	yes	no	yes - 1 and 2 bulb T12	yes
4 Foot Lamps T-8 w/Ballast - conversion from 8 foot	no	yes	no	no	no	no
2nd gen T-8 Lamp and Electronic, 2-foot lamp installed	no	yes	yes	no	no	yes
2nd gen T-8 Lamp and Electronic, 3-foot lamp installed	no	yes	yes	no	no	yes
2nd gen T-8 Lamp and Electronic, 4-foot lamp installed	no	yes	yes	no	no	no
Exterior HID fixture 0-100 watts incandescent basecase	yes	yes	yes	no	no	no
Exterior HID fixture 101-175 watts incandescent basecase	yes	yes	yes	no	no	no
Exterior HID fixture > 176 watts incandescent basecase	yes	no	yes	no	no	no
Exterior HID fixture 0-100 watts mercury vapor basecase	yes	yes	yes	no	no	no
Exterior HID fixture 101-175 watts mercury vapor basecase	yes	no	yes	no	no	no
Exterior HID fixture > 176 watts mercury vapor basecase	yes	yes	yes	no	yes	yes
Interior HID fixture 0-35 watts incandescent basecase	yes	yes	yes	no	no	no
Interior HID fixture 36-70 watts incandescent basecase	yes	yes	yes	no	no	no
Interior HID fixture 71-100 watts incandescent basecase	no	yes	yes	no	no	no
Interior HID fixture 101-175 watts incandescent basecase	no	yes	yes	no	yes	yes
Interior HID fixture 176-250 watts incandescent basecase	no	yes	yes	no	no	no
Interior HID fixture 251-400 watts incandescent basecase	no	no	yes	no	no	no
Interior HID fixture 0-35 watts mercury vapor basecase	no	no	yes	no	no	no
Interior HID fixture 36-70 watts mercury vapor basecase	no	no	yes	no	no	no
Interior HID fixture 71-100 watts mercury vapor basecase	no	no	yes	no	no	yes
Interior HID fixture 101-175 watts mercury vapro basecase	no	no	yes	no	no	yes
Interior HID fixture 176 - 250 watts mercury vapro basecase	no	no	yes	no	no	no
Interior HID fixture 251 - 400 watts mercury vapro basecase	no	no	yes	no	no	no
Interior HID fixture 251-400 watts metal halide basecase	no	no	yes	no	no	no
HID FIXTURE: INTERIOR (pulse start) 101-175 WATTS LAMP, INCANDESCENT	yes	no	no	no	no	no
Interior HID Fixtures (Pulse Start)-Conversion frm Incandescent 176-250 watt lamp	yes	no	no	no	no	no
HID FIXTURE: INTERIOR (pulse start) 251-400 WATTS LAMP, INCANDESCENT	yes	no	no	no	no	no
Interior HID Fixtures (Pulse Start)-Conversion frm Mercury Vapor 101-175 watt lamp	yes	no	no	no	no	no
HID FIXTURE: INTERIOR (pulse start) 176-250 WATTS LAMP, MERCURY VAPOR	yes	no	no	no	no	no
HID FIXTURE: INTERIOR (pulse start) 251-400 WATTS LAMP, MERCURY VAPOR	yes	no	no	no	no	no
FIXTURE: INTERIOR, PULSE START METAL HALIDE, CONV, 400 < 350	yes	yes	yes	no	no	no
HO T-5 FIXTURE: INTERIOR, METAL HALIDE, 4 LAMP CONV, 400 < 244	yes	yes	yes	no	yes - 1, 2 lamp fixture	no
Lighting- High Bay Fixtures, 6 Lamp T-5/T-8	no	yes	no	no	no	no
PREMIUM T-8/T-5 Lamp&Elect Ballast/New Fix-Replce of T-12 lamp&Ballast-2 ft	yes	no	no	no	no	no
PREMIUM T-8/T-5 Lamp&Elect Ballast/New Fix-Replce of T-12 lamp&Ballast-3 ft	yes	no	no	no	no	no
PREMIUM T-8/T-5 Lamp&Elect Ballast/New Fix-Replce of T-12 lamp&Ballast-4 ft	yes	no	no	no	no	no
PREMIUM T-8/T-5 Lamp&Elect Ballast/New Fix-Replce of T-12 lamp&Ballast-8 ft	yes	no	no	no	no	no

**Table A-10. Summary and Comparison of Commercial HVAC Measures**

HVAC	IOU Program Offering				Kema Statewide Potential Study	Available in DEER
	PG&E	SDG&E	SCE	SCG		
A/C Units <65 kBtu/hr air-cooled single package Tier 1	yes	yes	yes	no	no	no
A/C Units <65 kBtu/hr air-cooled single package Tier 2	yes	yes	yes	no	no	no
A/C Units <65 kBtu/hr air-cooled single package Tier 3	yes	yes	yes	no	no	no
A/C Units <65 kBtu/hr air-cooled split system Tier 1	yes	yes	yes	no	no	no
A/C Units <65 kBtu/hr air-cooled split system Tier 2	yes	yes	yes	no	no	no
A/C Units <65 kBtu/hr air-cooled split system Tier 3	yes	no	yes	no	no	no
A/C - Package Terminal Air Conditioners	yes	yes	yes	no	no	no
A/C Units >240 kBtu/hr (>20 tons) air cooled split-system or single package Tier 2	yes	yes	yes	no	no	no
A/C Units 135-240 kBtu/hr (11.3-20 tons) air-cooled split-system or single package Tier 2	yes	yes	yes	no	no	no
A/C Units 65-135 kBtu/hr (5.4-11.3 tons) air-cooled split-system or single package Tier 2	yes	yes	yes	no	no	no
A/C Units 65-135 kBtu/hr (5.4-11.3 tons) water and evaporative cooled	no	yes	yes	no	no	no
A/C - Evaporative Coolers	yes	yes	yes	no	yes	yes
A/C - Reflective Window Film	yes	yes	yes	no	yes	yes
A/C Setback Programmable Thermostats	yes	yes	yes	yes	yes	yes
Evaporator Fan Controller	no	no	yes	no	no	no
Cool Roofs	yes	yes	no	no	yes	yes
Gas Space Heating Boilers - Hot Water	yes	no	no	no	no	no
Gas Space Heating Boilers - Large	yes	no	no	no	no	no
Gas Space Heating Boilers - Steam	yes	no	no	no	no	no
Motors - VFD - HVAC Fans	yes	yes	yes	no	yes	yes
Variable-Frequency Drives - Chilled Water Pumps	no	no	yes	no	yes	yes
Package Terminal Heat Pumps	no	yes	no	no	no	no
Ceiling Insulation	no	no	no	no	yes	yes
Duct insulation	no	no	no	no	yes	yes
Boiler Tuneup	no	no	no	no	yes	no
EMS Install	no	no	no	no	yes	yes
EMS Optimization	no	no	no	no	yes	no
Heat Recovery from Air to Air	no	no	no	no	yes	yes
Cent. Chiller	no	no	no	no	yes	yes
EMS Chiller	no	no	no	no	yes	no
Chiller Tune-up	no	no	no	no	yes	yes
DX Tune-up	no	no	no	no	yes	no
DX Packaged, EER 10.9	no	no	no	no	yes	yes
Fan Motor 89.5% efficient	no	no	no	no	yes	no
Fan Motor 92.4% efficient	no	no	no	no	yes	no
Fan Motor 94.1% efficient	no	no	no	no	yes	no

**Table A-11. Summary and Comparison of Commercial Cooking Measures**

Cooking	IOU Program Offering				Kema Statewide Potential Study	Available in DEER
	PG&E	SDG&E	SCE	SCG		
Pwr Burner Conveyor Belt	yes	no	no	yes	yes	no
Infrared Fryer	yes	no	no	yes	yes	no
Pwr Burner Fryer	yes	no	no	yes	yes	yes
Insulated Holding Cabinet-Half Size <=0.3 kW	yes	no	no	no	no	no
Insulated Holding Cabinet-Half Size <=0.4 kW	yes	no	no	no	no	no
Insulated Holding Cabinet-Three-Quarter Size <=0.6 kW	yes	no	no	no	no	no
Pressureless Steamer <=0.4 kW Idle	yes	yes, 0.2 kW or less	no	no	no	yes
Infrared Conveyor Oven	no	no	no	yes	no	no
Infrared Rotisserie	no	no	no	yes	no	no
Braising Pan	no	no	no	yes	no	no
Cabinet Steamer	no	no	no	yes	no	no
Cheese melter	no	no	no	yes	no	no
Combination Oven	no	no	no	yes	no	no
Convection Oven	no	no	no	yes	yes	yes
Deck Oven	no	no	no	yes	no	no
Fryer - High Eff. Gas	no	no	no	yes	no	no
Fryer - High Eff. Elec	no	no	no	no	no	no
Fryer - Unit with Electr. Ignition	no	no	no	yes	no	no
Efficient Griddle	no	no	no	yes	yes	yes
Over-fired [char] broiler	no	no	no	yes	no	no
Rotating Rack Oven	no	no	no	yes	no	no
Salamander	no	no	no	yes	no	no
Steam Kettle	no	no	no	yes	no	no
Under-fired broiler	no	no	no	yes	no	no
Oven Replacement	no	no	no	yes	no	no

**Table A-12. Summary and Comparison of Commercial Refrigeration Measures**

Refrigeration	IOU Program Offering				Kema Statewide Potential Study	Available in DEER
	PG&E	SDG&E	SCE	SCG		
Night Covers for Display Cases - med temp	yes	no	yes	no	yes	yes
Multiplex Compressor System w/ eff cond - air cooled	yes	yes	yes	no	no	no
Multiplex Compressor System air cooled	no	no	yes	no	no	no
Multiplex Compressor System - evap cooled	yes	no	yes	no	no	no
Multiplex Compressor System w/ eff cond - evap cooled	yes	no	yes	no	no	no
Air cooled to Evaporative cooled condensers - multiplex	no	yes	yes	no	no	no
High Efficiency Compressor	yes	yes	yes	no	yes	yes
Air cooled to Evaporative cooled condensers -conventional	yes	no	yes	no	no	no
Condenser - Air Cooled Energy Efficient	yes	no	no	no	no	no
Oversized Air Cooled Condenser	yes	no	yes	no	no	no
Oversized Evaporative Cooled Condenser	no	no	yes	no	no	yes
Retrofit Glass doors on open vertical display cases (Low Temp)	yes	yes	yes	no	no	yes
Retrofit Glass doors on open vertical display cases (Medium Case)	yes	yes	yes	no	no	yes
Replace reach in case w/doors with hi eff case with special doors	yes	no	yes	no	no	no
Anti-Sweat Heat Controller	yes	yes	yes	no	yes	yes
Special Doors with Low Anti-Sweat Heat low temp)	yes	yes	yes	no	no	no
Night Covers for Display Cases - low temp	yes	yes	yes	no	yes	yes
Auto-closer for Coolers	yes	no	yes	no	no	no
Auto-closer for Freezers	yes	yes	yes	no	no	no
New Low Temp reach in Display Case with doors( replace open)	yes	no	yes	no	no	no
New Medium Temp reach in Display Case with Doors (replace open)	yes	yes	yes	no	no	no
Main door Cooler Door Gaskets (Walk-in)	yes	yes	yes	no	no	no
Main Door Freezer Door Gaskets( Walk-in)	yes	yes	yes	no	no	no
Evaporator Fan Controller	yes	no	no	no	no	no
Insulate Bare Suction Pipes	yes	no	yes	no	no	no
Infiltration Barrier for Walk-ins (strip curtains)	yes	yes	yes	no	yes	no
Vending Machine Controller	yes	yes	yes	no	no	yes
Floating Head Pressure Controller - air cooled	no	no	yes	no	yes	yes
Floating Head Pressure Controller - evap cooled	no	no	yes	no	yes	yes
Efficient Evaporator Fan Motors (SHP to PSC)	no	no	yes	no	yes	yes
Efficient Evaporator Fan Motors (SHP to ECM)	no	no	yes	no	yes	yes
Refrigeration - VFD - Evaporator Fans in Walk-in Coolers (per controller)	no	yes	no	no	yes	yes
Compressor VSD retrofit	no	no	no	no	yes	yes
refrigeration commissioning	no	no	no	no	yes	no
demand hot gas defrost	no	no	no	no	yes	yes
demand defrost electric	no	no	no	no	yes	yes

**Table A-13. Summary and Comparison of Commercial Water Heat Measures**

	IOU Program Offering				Kema Statewide Potential Study	Available in DEER
	PG&E	SDG&E	SCE	SCG		
Water Heating - Commercial Horizontal Axis Washer	yes	yes	no	yes	no	yes
Heating - Space Heating Boilers - Hot Water	yes	yes	no	yes	yes	no
Instantaneous Water Heaters <= 200MBtuh	yes	no	no	yes	yes	yes
Instantaneous Water Heaters > 200MBtuh	yes	no	no	yes	no	no
Water Heating -Instantaneous - Gas (per MBtuh)	no	yes	no	no	no	no
Pipe Insulation	yes	no	no	yes	yes	no
Water Heating -Process Boiler, Water	yes	yes	no	yes	no	no
Tank Insulation	yes	no	no	yes	yes	no
Water Heating - Gas Storage Water Heater (per MBtuh)	yes	yes	no	no	yes	yes
Storage Water Heaters (LRG >75 MBTUH)	no	no	no	yes	no	no
Storage Water Heaters (SML <= 75 MBTUH)	no	no	no	yes	no	no
Water Heating -Hot Water Boiler	no	yes	no	no	no	no
Heating - Space Heating Boilers - Large	no	yes	no	yes	no	no
Circulation pump timeclock	no	no	no	no	yes	yes
Low Flow Showerhead	no	no	no	no	yes	no
Faucet Aerator	no	no	no	no	yes	no
Solar DHW System	no	no	no	no	yes	no



**Table A-14. Summary and Comparison of Commercial Motor Measures**

Motors	IOU Program Offering				Kema Statewide Potential Study	Available in DEER
	PG&E	SDG&E	SCE	SCG		
MOTOR: 1 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	yes
MOTOR: 1.5 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	no
MOTOR: 2 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	no
MOTOR: 5 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	yes
MOTOR: 7.5 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	no
MOTOR: 10 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	yes
MOTOR: 15 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	yes
MOTOR: 20 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	yes
MOTOR: 25 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	yes
MOTOR: 30 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	no
MOTOR: 40 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	no
MOTOR: 50 HP, PREMIUM EFFICIENCY	yes	yes	yes	no	no	yes
MOTOR: 75 HP, PREMIUM EFFICIENCY	yes	yes	yes	no	no	no
MOTOR: 100 HP, PREMIUM EFFICIENCY	yes	yes	yes	no	no	yes
MOTOR: 200 HP, PREMIUM EFFICIENCY	yes	no	yes	no	no	yes
Variable Frequency Drive: Dairy Pumps	yes	no	yes	no	no	no
Motors - VFD - Injection Molding Machines	no	yes	yes	no	no	no

**Table A-15. Summary and Comparison of Commercial Office Equipment Measures**

Office Equipment	IOU Program Offering				Kema Statewide Potential Study	Available in DEER
	PG&E	SDG&E	SCE	SCG		
enable power management	no	no	no	no	yes	copier
LCD monitor	no	no	no	no	yes	no
hardware control	no	no	no	no	yes	no
printer nighttime shutdown	no	no	no	no	yes	no

**Measure Descriptions**

**Lights**

**Compact Fluorescent Light Bulbs and Hard-Wired Fixtures (CFLs).** Compact fluorescent lamps are designed to replace standard incandescent lamps. They are approximately four times more efficient than incandescent light sources. The lamps come in two configurations: screw-in and hard-wired. The screw-in lamps are designed to directly replace screw-in incandescent lamps with the CFL ballast in the screw-in base. The hard-wired configuration has the lamp and ballast separate and only a CFL lamp (without ballast) can be installed into the fixture. Several different wattage ranges are included in the analysis ranging from a low of 9-12W CFL to a high of 26-50W CFL. A 13-17W CFL reflector lamp option is also included in the analysis.

***T8 Lamps with Second Generation Electronic Ballast (8 ft).*** T8 lamps are a smaller diameter fluorescent lamp than T12 lamps. When paired with specially designed electronic ballasts, T8 lamps provide more lumens per watt, resulting in energy savings. The second generation electronic ballasts replace the standard core and coil technology in magnetic ballasts with solid-state components. This technology allows for more consistent control over ballast output and converts power to higher frequencies, causing the fluorescent lamps to operate more efficiently.

***HE T5 or T8 Fixtures with Electronic Ballast (4 ft).*** T8 and T5 lamps are both smaller diameter fluorescent lamp than T12 lamps. When paired with specially designed electronic ballasts, T8 and T5 lamps provide more lumens per watt resulting in energy savings. The electronic ballasts replace the standard core and coil technology in magnetic ballasts with solid-state components. This technology allows for more consistent control over ballast output and converts power to higher frequencies, causing the fluorescent lamps to operate more efficiently.

***Reflectors with De-Lamping.*** Optical reflectors are mirrored surfaces installed in fluorescent fixtures to direct light toward a specific area or work surface. By installing optical reflectors, four-lamp and three-lamp fluorescent fixtures can be reduced to three- or two-lamp fixtures and still meet the needed lighting levels.

***Occupancy Sensors—Plug Load.*** Plug load occupancy sensors are assumed to control 50W of task lighting and a computer monitor. Occupancy sensors require proper installation and calibration.

***Occupancy Sensors—Motion Sensor.*** Occupancy motion sensors (infrared or ultrasonic motion detection devices) turn lights on upon entry of a person into a room, and then turn the lights off from half a minute to 20 minutes after they have left. Occupancy sensors require proper installation and calibration.

***Electronic Ballast—Dimming.*** Dimming electronic ballasts can be incorporated into a daylighting strategy around the perimeter of office buildings or in areas under skylights. These systems use photocells to reduce power consumption and light output when daylight is available. Dimming electronic ballasts were assumed to be applicable to areas under skylights and to the perimeter of buildings with more than 20% glass wall area.

***High Intensity Discharge (HID) Metal Halide and High Pressure Sodium Lamps.*** Both metal halide and high pressure sodium lamps can replace incandescent lamps as well as mercury vapor lamps. Application can be either indoor or outdoor, although high pressure sodium lamps are primarily found outdoors. The color rendition for metal halide lamps is excellent. However, the high pressure sodium lamp color rendition is inferior.

**Outdoor Lighting Controls (Photocells and Time Clocks).** Photocells can be used to automatically control both outdoor lamps and indoor lamps adjacent to skylights and windows. When lights do not need to be on all night, a photocell in series with a time clock provides maximum savings and eliminates the need for manual operation and seasonal time clock adjustments. Time clocks enable users to turn on and off electrical equipment at specific times during the day or week.

**LED Exit Signs.** Light Emitting Diode (LED) exit signs offer significant savings over traditional incandescent bulb-based exit signs and even over CFL-based exit signs. The baseline exit sign uses incandescent bulb(s). Eligible exit signs must have a usage level of 5W or less and a product life of at least 10 years.

**High Output T5 Interior High Bay Fluorescent Fixture.** Traditional interior high bay lighting fixtures have utilized high wattage incandescent or high intensity discharge lamps such as mercury vapor or metal halide. This measure replaces these high wattage fixtures with new four-lamp or six-lamp T5 lamps and ballasts.

### **HVAC**

**Air Conditioning Packaged System Efficiency Upgrade.** A single-package air conditioning unit consists of a single package (or cabinet housing) containing a condensing unit, a compressor, and an indoor fan/coil. An additional benefit of package units is that there is no need for field-installed refrigerant piping, thus minimizing labor costs and the possibility of contaminating the system with dirt, metal, oxides, or non-condensing gases. This measure involves having a base efficiency unit of SEER 10.0 and two high efficiency options; a SEER 13 and a SEER.

**Packaged Terminal Heat Pump or Air Conditioning Units.** Packaged terminal heat pump or air conditioning units are through the wall, self-contained units that are two tons or less in size. This measure involves installation of a high efficiency unit that has an EER about 20% higher than a baseline heat pump.

**Reflective Window Film.** Reflective window film is an effective way to reduce solar energy gains, thus reducing mechanical cooling energy consumption. Windows affect building energy use through thermal heat transfer (U-value), solar heat gains (shading coefficient), daylighting (visible light transmittance), and air leakage.

**Programmable Thermostat.** Setback programmable thermostats are appropriate controls for HVAC equipment that serve spaces with regular occupied and unoccupied periods, resulting in long periods when heating and cooling setpoints can be adjusted.

**Cool Roof.** The color and material of a building structure surface will determine the amount of solar radiation absorbed by that surface. By using an appropriate reflective material to coat the roof, the roof will absorb less solar radiation and consequently reduce the cooling load.

**High Efficiency Gas Furnace/Boiler.** High efficiency, non-condensing, space heating boilers have AFUEs of 85% compared to a base efficiency of 80%. New high efficiency boilers incorporate such features as power burners, electronic spark ignition, or vent dampers to increase their AFUE.

**Boiler Pipe Insulation.** Insulating accessible steam or hot water supply pipes in the boiler room is a cost-effective way to save energy. Savings will vary depending on the temperature of the hot water or steam and the ambient temperature. An estimate of 2% savings is utilized in this study.

**Boiler Tune-Up.** A high efficiency boiler tune-up performed by a properly trained technician can improve average combustion efficiency by 2-10%. To ensure that the boiler tune-up is a success, the tune-up technician should use an electronic flue-gas analyzer that is capable of continuously monitoring stack temperature, oxygen (O<sub>2</sub> in percent), and carbon monoxide (CO in ppm). In addition, the technician should determine the boiler's actual gas input rate (cubic feet per minute). Some boilers cannot be tuned up because there is no way to control the excess air or gas flow. Before examining this measure, the technician or auditor must determine if the boiler is tunable. For this study, a conservative savings estimate of 2% is used.

**Efficient Centrifugal Chiller.** Centrifugal chillers are used in building types that normally use water-based cooling systems and have cooling requirements greater than 200 tons. Centrifugal chillers reject heat through a water-cooled condenser or cooling tower. In general, efficiency levels for centrifugal chillers start at 0.80 kW/ton (for older units) and may go as high as 0.4 kW/ton. This measure involves installation of a high efficiency chiller (0.51 kW per ton) versus a standard unit (0.58 kW per ton).

**Efficient Reciprocating Chiller.** Reciprocating chillers are used in building types that normally use water-based cooling systems and have cooling requirements of less than 200 tons. Reciprocating chillers reject heat through air cooled condensers. In general, efficiency levels for reciprocating chillers start at 0.95 kW/ton.

**VSD—Cooling Circulation Pumps.** Variable speed drives installed on chilled water pumps can reduce energy use by varying the pump speed according to the building's demand for cooling. There is also a reduction in piping losses associated with this measure, which can have a major impact on the heating loads and energy use for a building. Pump speeds,

however, can generally only be reduced to a minimum specified rate, because chillers and the control valves may require a minimum flow rate to operate.

**VSD on Motor Installation.** Energy usage in HVAC systems can be reduced by installing electronic variable frequency drives (VFDs) on ventilation fans. VFDs are a far more efficient method of regulating speed or torque than throttling valves, inlet vanes, and fan dampers. Energy required to operate a fan motor can be reduced as much as 85% during reduced load conditions by installing a VFD.

**Tune-Up/Advanced Diagnostics.** The assumed tune-up includes cleaning the condenser and evaporator coils, establishing optimal refrigerant levels, and purging refrigerant loops of entrained air. The qualifying relative performance range for a tune-up is between 60% and 85% of the rated efficiency of the unit. This includes fresh air economizer controls providing demand control ventilation and consisting of a logic module, enthalpy sensor(s), and CO<sub>2</sub> sensors in appropriate applications.

### **Miscellaneous**

**Infrared Gas Fryer.** Fryers cook foods by submerging them in hot animal or vegetable oils. The oil is heated by gas burners with the flame traveling through several tubes that are submerged in the oil. Gas-fired fryers have ratings of 72-163 kBtu/hour and can cook 50-160 lb/hour of French-fried potatoes. Standard natural gas-fired fryers are about 50% efficient. Infrared fryers use internal fins or other heat-absorbing obstructions attached to the inside of the tubes. The fins or obstructions pick up more heat from the flame, resulting in less exhausted heat (lower temperature exhaust). Infrared fryers are about 65% efficient. Catalytic fryers have woven wire or steel wool-like material inside the fire tubes. These materials capture even more heat from the flame that can then be radiated to the tube walls and to the oil. Catalytic infrared fryers are about 72% efficient and save about 30% of the energy used by standard gas-fired fryers.

**Efficient Gas Griddle.** A griddle is a thick slab of flat steel heated from below by electric or gas burners. Gas griddles are rated at 60-80 kBtu/hour. In an infrared griddle, standard burners are replaced with a porous ceramic plate having about 200 holes per inch. Combustion is designed to take place very near the ceramic burner surface, causing it to glow red at a temperature of about 1,650° F. Efficiency is increased because the red-hot ceramic burner increases heat transfer to the griddle plate.

**Convection Oven.** Convection ovens use a small fan to circulate hot air within the oven cavity. Circulating air can heat food more efficiently than the still air found in conventional ovens. The hot air in the oven can be heated by gas or electricity. In general, a convection

oven will save 30% of the energy used by an oven. These savings result from burners cycling off for a longer period.

***Insulated Food Holding Cabinets.*** Food holding cabinets are used to transport and/or temporarily store hot food. An insulated food holding cabinet helps retain heat within the cabinet area. In addition to the energy savings, insulated cabinets radiate less heat into the kitchen, thus helping to keep the work environment more comfortable.

***Connectionless (Pressureless) Steamers.*** Commercial food service centers include steamer cabinets and kettles that are injected with steam from steam boilers dedicated to this function. Traditional steamers have a cavity around the food that is filled with steam. Steam is continually pushed through the cavity and eventually cooks the food. However, the result of this process is that much of the steam drains away and must then be replaced. With connectionless steamers, there are no drains. Therefore, the same steam stays in the cavity and, since new steam is not continually being created, the connectionless steamer is much more efficient.

***Power Burner Conveyor Oven.*** The instantaneous infrared conveyor oven uses the weight of the food or plate to actuate the broiler flame instead of leaving the flame burning continuously. The broiler is designed to reach full operating temperatures quickly, eliminating preheat time. The power burner is an improved atmospheric burner. The term “power” means that a blower drives gas and air flow to the burner. Gas and air are mixed in a plenum and the mixture is regulated to achieve more efficient combustion. During combustion, the flame moves sideways from the burner and impinges on a bowl made of low-carbon stainless steel located underneath the burner.

***Gas Water Heater.*** Efficient gas water heaters consist of a high efficiency natural gas storage-type hot water heater and tank. Many small commercial buildings and even some large commercial buildings use residential-sized water heaters to meet their needs for hand washing in restrooms or janitorial purposes (i.e., small office, small retail, supermarket, warehouse).

***Instantaneous or Demand Hot Water Heater.*** Demand water heaters are available in propane (LP), natural gas, or electric models. Unlike “conventional” tank water heaters, tankless or instantaneous water heaters heat water only as it is used, or on demand. A tankless unit has a heating device that is activated by the flow of water when a hot water valve is opened. Once activated, the heater delivers a constant supply of hot water. The output of the heater, however, limits the rate of the heated water flow. They come in a variety of sizes for different applications, such as a whole-building water heater, a hot water source for a remote bathroom, or as a boiler to provide hot water for a heating system.

***DHW Circulation Pump Time Clock Retrofit.*** Installing a time clock on the circulation pump for the domestic hot water system can reduce demand during periods when the building is unoccupied. Since, systems must be protected from damaging freeze in many California climates, time clocks may include an override setting if the temperature drops below a predetermined set point.

***Commercial Horizontal Axis Clothes Washer.*** A horizontal axis clothes washer uses a cylinder that rotates horizontally to wash, rinse, and spin the clothes. These types of washing machines can be top loading or front loading, and uses significantly less water (hot and cold) than the standard vertical axis machines. A vertical axis machine generally fills the tub until all of the clothes are immersed in water. In contrast, the horizontal axis machine only requires about one-third of the tub to be full, since the rotation of the drum around its axis forces the clothes into the water and thus can drastically reduce the total energy use for washing. These machines are also easier on clothes and use less detergent.

***ENERGY STAR Copier.*** Copiers are the most energy-intensive type of office equipment. Standard office copiers need to be ready on demand in the office environment, but generally require a warm-up period after they are turned on. For this reason, copiers are left on all day regardless of use or need. The most common energy saving technique is to have an idle-off control that shuts the copier down in stages depending on the length of time the copier has been out of use. This feature is included in ENERGY STAR copiers.

### **Refrigeration**

***Motor Efficiency Upgrade for Fans and Compressors.*** Shaded pole motors are replaced by either electronically commutated (ECM) motors or permanent-split-capacitor (PSC) motors. In addition to saving energy, premium-efficiency motors are more reliable, resulting in reduced downtime and replacement costs.

***Single Line to Multiplex Compressor System.*** Multiplex systems refer to the use of multiple refrigeration compressors piped to common suction and discharge manifolds, such that operation of all compressors simultaneously can provide adequate capacity to meet the design refrigeration load. During periods when the refrigeration load is less than the design value, the various compressors cycle to closely match the refrigeration load. This will operate the compressors closer to design capacity, will cycle the compressor more efficiently, and can introduce a demand reduction component to the refrigeration system.

***Multiplex System with Efficient (Oversized) Condenser.*** An evaporative condenser is oversized in order to take maximum advantage of low ambient wet-bulb temperatures. The value difference between condensing temperature and ambient wet-bulb typically ranges from 20°F to 25°F. An oversized unit is designed with a temperature difference of less than

20°F. Consequently, an oversized condenser is able to reject heat at a lower condensing temperature than a typical evaporative or air-cooled condenser.

**High Efficiency Low Temperature Compressor.** The measure is configured so that existing low temperature compressors with an EER of 4.86 or less are replaced by a new compressor with an EER of at least 5.2. The refrigeration systems must have an evaporator temperature of -10°F or less.

**Evaporator Fan Controller for Medium Temperature Walk-Ins.** In response to the temperature setpoint being satisfied in a medium temperature walk-in cooler, evaporator fans are cycled to maintain minimum necessary airflow, which prevents ice build-up on the evaporator coils. In conventional systems, fans run constantly whether the temperature setpoint is satisfied or not.

**Infiltration Barriers (Strip Curtains).** Installing strip curtains on doorways to walk-in boxes and refrigerated warehouses can produce energy savings due to decreased infiltration of outside air into the refrigerated space. Although refrigerated spaces have doors, these doors are often left open, for example during product delivery and store stocking activities.

**Night Covers.** Installing film- or blanket-type night covers on display cases can significantly reduce the infiltration of warm ambient air into the refrigerated space. This reduction in display case loads in turn reduces the electric use of the central plant, including compressors and condensers, thus saving energy. The target market for this measure is small, independently owned grocery stores and other stores that are typically closed at night and restock their shelves during the day. The target cases are vertical displays, with a single- or double-air curtain, and tub (coffin) type cases.

**Anti-Sweat Heater Controls.** A humidistat control is a control device to turn refrigeration display case anti-sweat heaters off when ambient relative humidity is low enough that sweating will not occur. Anti-sweat heaters evaporate moisture by heating the door rails, case frame, and glass of display cases. Savings result from reducing the operating hours of the anti-sweat heaters, which without a humidistat control generally run continuously. There are various types of control strategies including cycling on a fixed schedule.

**Floating Head Pressure Controls.** Floating head pressure controls allow a refrigeration system to operate under lower condensing temperature and pressure settings, where compressor operation is most efficient, working against a relatively low head pressure. The condensing temperature is allowed to float below the design setpoint of, say, 95°F under lower outdoor temperatures, which in-turn lowers the condensate pressure. In a conventional system a higher fixed condensing temperature set point is used which results in a lowered capacity for the system, requires extra power, and may overload the compressor motor.



Energy savings can be realized if the refrigeration system head pressure is allowed to float during periods of low ambient temperature, when the condensing temperature can be dramatically reduced.

**Retrofit Glass Door on Low and Medium Temperature Displays.** Like the freezer case doors that are now common practice in grocery stores, there are opportunities to install doors on existing low and medium temperature displays, resulting in display load reductions and thus energy savings.

**Vending Machine Controller.** Using a custom passive infrared sensor, the vending machine control completely powers down a vending machine when the area surrounding it is unoccupied for 15 minutes. Once powered down, the vending machine control will measure the ambient room temperature of the vending machine’s location. Using this information, the vending machine control automatically powers up the vending machine at one- to three-hour intervals, independent of occupancy, to ensure that the vended products stay cold. The vending machine control is a simple plug-and-play product, typically requiring 15 minutes or less for installation.

### A.3 Industrial Measures

**Table A-16: Industrial Electric Measures**

End Use	Measure Name	Efficiency Level
Compressed Air	Base Compressed Air	Base
Compressed Air	Compressed Air - O&M	High Efficiency
Compressed Air	Compressed Air - Controls	High Efficiency
Compressed Air	Compressed Air - System Optimization	High Efficiency
Compressed Air	Compressed Air - Sizing	High Efficiency
Compressed Air	Comp Air - Replace 1-5 HP Motor	High Efficiency
Compressed Air	Comp Air - ASD (1-5 hp)	High Efficiency
Compressed Air	Comp Air - Motor Practices-1 (1-5 HP)	High Efficiency
Compressed Air	Comp Air - Replace 6-100 HP motor	High Efficiency
Compressed Air	Comp Air - ASD (6-100 hp)	High Efficiency
Compressed Air	Comp Air - Motor Practices-1 (6-100 HP)	High Efficiency
Compressed Air	Comp Air - Replace 100+ HP Motor	High Efficiency
Compressed Air	Comp Air - ASD (100+ hp)	High Efficiency
Compressed Air	Comp Air - Motor Practices-1 (100+ HP)	High Efficiency
Compressed Air	Power recovery	High Efficiency
Compressed Air	Refinery Controls	High Efficiency
Compressed Air	Energy Star Transformers	High Efficiency

**Table A-16 (cont'd.): Industrial Electric Measures**

End Use	Measure Name	Efficiency Level
Fans	Base Fans	Base
Fans	Fans - O&M	High Efficiency
Fans	Fans - Controls	High Efficiency
Fans	Fans - System Optimization	High Efficiency
Fans	Fans- Improve Components	High Efficiency
Fans	Fans - Replace 1-5 HP Motor	High Efficiency
Fans	Fans - ASD (1-5 hp)	High Efficiency
Fans	Fans - Motor practices-1 (1-5 HP)	High Efficiency
Fans	Fans - Replace 6-100 HP motor	High Efficiency
Fans	Fans - ASD (6-100 hp)	High Efficiency
Fans	Fans - Motor Practices-1 (6-100 HP)	High Efficiency
Fans	Fans - Replace 100+ HP Motor	High Efficiency
Fans	Fans - ASD (100+ hp)	High Efficiency
Fans	Fans - Motor Practices-1 (100+ HP)	High Efficiency
Fans	Optimize Drying Process	High Efficiency
Fans	Power Recovery	High Efficiency
Fans	Refinery Controls	High Efficiency
Fans	Energy Star Transformers	Base
Pump Systems	Base Pumps	Base
Pump Systems	Pumps - O&M	High Efficiency
Pump Systems	Pumps - Controls	High Efficiency
Pump Systems	Pumps - System Optimization	High Efficiency
Pump Systems	Pumps - Sizing	High Efficiency
Pump Systems	Pumps - Replace 1-5 HP Motor	High Efficiency
Pump Systems	Pumps - ASD (1-5 HP)	High Efficiency
Pump Systems	Pumps - Motor Practices-1 (1-5 HP)	High Efficiency
Pump Systems	Pumps - Replace 6-100 HP Motor	High Efficiency
Pump Systems	Pumps - ASD (6-100 hp)	High Efficiency
Pump Systems	Pumps - Motor Practices-1 (6-100 HP)	High Efficiency
Pump Systems	Pumps - Replace 100+ HP Motor	High Efficiency
Pump Systems	Pumps - ASD (100+ hp)	High Efficiency
Pump Systems	Pumps - Motor Practices-1 (100+ HP)	High Efficiency
Pump Systems	Power Recovery	High Efficiency
Pump Systems	Refinery Controls	High Efficiency
Pump Systems	Energy Star Transformers	High Efficiency

**Table A-16 (cont'd.): Industrial Electric Measures**

End Use	Measure Name	Efficiency Level
Process Drives	Base Drives	Base
Process Drives	Bakery - Process (Mixing) - O&M	High Efficiency
Process Drives	O&M/Drives Spinning Machines	High Efficiency
Process Drives	Air Conveying Systems	High Efficiency
Process Drives	Replace V-Belts	High Efficiency
Process Drives	Drives - EE Motor	High Efficiency
Process Drives	Gap Forming Paper Machine	High Efficiency
Process Drives	High Consistency Forming	High Efficiency
Process Drives	Optimization Control PM	High Efficiency
Process Drives	Efficient Practices Printing Press	High Efficiency
Process Drives	Efficient Printing Press (fewer cylinders)	High Efficiency
Process Drives	Light Cylinders	High Efficiency
Process Drives	Efficient Drives	High Efficiency
Process Drives	Clean Room - Controls	High Efficiency
Process Drives	Clean Room - New Designs	High Efficiency
Process Drives	Drives - Process Controls (batch + site)	High Efficiency
Process Drives	Process Drives - ASD	High Efficiency
Process Drives	O&M - Extruders/Injection Molding	High Efficiency
Process Drives	Extruders/Injection Molding – Multi-Pump	High Efficiency
Process Drives	Direct Drive Extruders	High Efficiency
Process Drives	Injection Molding - Impulse Cooling	High Efficiency
Process Drives	Injection Molding - Direct Drive	High Efficiency
Process Drives	Efficient Grinding	High Efficiency
Process Drives	Process Control	High Efficiency
Process Drives	Process Optimization	High Efficiency
Process Drives	Drives - Process Control	High Efficiency
Process Drives	Efficient Drives - Rolling	High Efficiency
Process Drives	Drives - Optimization process (M&T)	High Efficiency
Process Drives	Drives - Scheduling	High Efficiency
Process Drives	Machinery	High Efficiency
Process Drives	Efficient Machinery	High Efficiency
Process Drives	Energy Star Transformers	High Efficiency
Process Heating	Base Heating	Base
Process Heating	Bakery - Process	High Efficiency
Process Heating	Drying (UV/IR)	High Efficiency
Process Heating	Heat Pumps - Drying	High Efficiency
Process Heating	Top-Heating (glass)	High Efficiency

**Table A-16 (cont'd.): Industrial Electric Measures**

End Use	Measure Name	Efficiency Level
Process Heating	Efficient Electric Melting	High Efficiency
Process Heating	Intelligent Extruder (DOE)	High Efficiency
Process Heating	Near Net Shape Casting	High Efficiency
Process Heating	Heating - Process Control	High Efficiency
Process Heating	Efficient Curing Ovens	High Efficiency
Process Heating	Heating - Optimization Process (M&T)	High Efficiency
Process Heating	Heating - Scheduling	High Efficiency
Process Heating	Energy Star Transformers	High Efficiency
Process Refrigeration	Base Refrigeration	Base
Process Refrigeration	Efficient Refrigeration - Operations	High Efficiency
Process Refrigeration	Optimization Refrigeration	High Efficiency
Process Refrigeration	Energy Star Transformers	High Efficiency
Other Process	Base Other Process	Base
Other Process	Other Process Controls (batch + site)	High Efficiency
Other Process	Efficient Desalter	High Efficiency
Other Process	New transformers Welding	High Efficiency
Other Process	Efficient Processes (welding, etc.)	High Efficiency
Other Process	Process Control	High Efficiency
Other Process	Power Recovery	High Efficiency
Other Process	Refinery Controls	High Efficiency
Other Process	Replace V-belts	High Efficiency
Other Process	Membranes for Wastewater	High Efficiency
Other Process	Energy Star Transformers	High Efficiency
Space Cooling	Base Centrifugal Chiller, 0.58 kW/ton, 500 tons	Base
Space Cooling	Centrifugal Chiller, 0.51 kW/ton, 500 tons	High Efficiency
Space Cooling	Window Film - Chiller	High Efficiency
Space Cooling	EMS - Chiller	High Efficiency
Space Cooling	Cool Roof - Chiller	High Efficiency
Space Cooling	Chiller Tune Up/Diagnostics	High Efficiency
Space Cooling	Cooling Circ. Pumps - VSD	High Efficiency
Space Cooling	Energy Star Transformers	High Efficiency
Space Cooling	Base DX Packaged System, EER=10.3, 10 tons	Base
Space Cooling	DX Tune Up/ Advanced Diagnostics	High Efficiency
Space Cooling	DX Packaged System, EER=10.9, 10 tons	High Efficiency
Space Cooling	Window Film - DX	High Efficiency
Space Cooling	Evaporative Pre-Cooler	High Efficiency

**Table A-16 (cont'd.): Industrial Electric Measures**

End Use	Measure Name	Efficiency Level
Space Cooling	Prog. Thermostat - DX	High Efficiency
Space Cooling	Cool Roof - DX	High Efficiency
Space Cooling	ENERGY STAR Transformers	High Efficiency
Lighting	Base Lighting	Base
Lighting	RET 2L4' Premium T8, 1EB	High Efficiency
Lighting	CFL Hard-wired, Modular 36W	High Efficiency
Lighting	Metal Halide, 50W	High Efficiency
Lighting	Occupancy Sensor, 4L4' Fluorescent Fixtures	High Efficiency
Lighting	ENERGY STAR Transformers	High Efficiency

**Table A-17: Industrial Natural Gas Measures**

End Use	Measure Name	Efficiency Level
Boiler	Base Boiler	Base
Boiler	Improved Process Control	High Efficiency
Boiler	Maintain Boilers	High Efficiency
Boiler	Flue Gas Heat Recovery/Economizer	High Efficiency
Boiler	Blowdown Steam Heat Recovery	High Efficiency
Boiler	Upgrade Burner Efficiency	High Efficiency
Boiler	Water Treatment	High Efficiency
Boiler	Load Control	High Efficiency
Boiler	Improved Insulation	High Efficiency
Boiler	Steam Trap Maintenance	High Efficiency
Boiler	Automatic Steam Trap Monitoring	High Efficiency
Boiler	Leak Repair	High Efficiency
Boiler	Condensate Return	High Efficiency
HVAC	Base HVAC	Base
HVAC	Improve Ceiling Insulation	High Efficiency
HVAC	Install HE(95%) Cond Furnace/Boiler	High Efficiency
HVAC	Stack Heat Exchanger	High Efficiency
HVAC	Duct Insulation	High Efficiency
HVAC	EMS Install	High Efficiency
HVAC	EMS Optimization	High Efficiency

**Table A-17 (cont'd.): Industrial Natural Gas Measures**

End Use	Measure Name	Efficiency Level
Process Heat	Base Process Heat	Base
Process Heat	Process Controls & Management	High Efficiency
Process Heat	Heat Recovery	High Efficiency
Process Heat	Efficient Burners	High Efficiency
Process Heat	Process Integration	High Efficiency
Process Heat	Efficient Drying	High Efficiency
Process Heat	Closed Hood	High Efficiency
Process Heat	Extended Nip Press	High Efficiency
Process Heat	Improved Separation Processes	High Efficiency
Process Heat	Thermal Oxidizers	High Efficiency
Process Heat	Flare Gas Controls And Recovery	High Efficiency
Process Heat	Fouling Control	High Efficiency
Process Heat	Efficient Furnaces	High Efficiency
Process Heat	Oxyfuel	High Efficiency
Process Heat	Batch Cullet Preheating	High Efficiency
Process Heat	Preventative Maintenance	High Efficiency
Process Heat	Combustion Controls	High Efficiency
Process Heat	Optimize Furnace Operations	High Efficiency
Process Heat	Insulation/Reduce Heat Losses	High Efficiency

***Measure Descriptions***

***Electric Measure Descriptions***

**Cross-Cutting Electricity Efficiency Measures**

**Replace Motors.** This measure refers to the replacement of existing motors with high efficiency motors. High efficiency motors reduce energy losses through improved design, better materials, tighter tolerances, and improved manufacturing techniques. With proper installation, high efficiency motors can run cooler than standard motors and can consequently have higher service factors, longer bearing life, longer insulation life, and less vibration.

**Adjustable Speed Drives (ASDs).** Adjustable speed drives better match motor speed to load and can therefore lead to significant energy savings compared to constant speed motors. Typical energy savings associated with ASDs range from 7-60%.

**Motor Practices.** This measure refers to proper motor maintenance. The purposes of motor maintenance are to prolong motor life and to foresee a motor failure. Motor maintenance measures can be categorized as either preventive or predictive. Preventive measures, whose purpose is to prevent unexpected downtime of motors, include electrical consideration, voltage imbalance minimization, motor ventilation, alignment, and lubrication, and load consideration. The purpose of predictive motor maintenance is to observe ongoing motor

temperature, vibration, and other operating data to identify when it becomes necessary to overhaul or replace a motor before failure occurs. The savings associated with ongoing motor maintenance could range from 2-30% of total motor system energy use.

**Compressed Air—Operation and Maintenance (O&M).** Inadequate maintenance can lower compression efficiency and increase air leakage or pressure variability, as well as lead to increased operating temperatures, poor moisture control, and excessive contamination. Improved maintenance will reduce these problems and save energy. Proper maintenance includes regular motor lubrication, replacement of air lubricant separators, fan, and pump inspection, and filter replacement.

**Compressed Air—Controls.** The objective of any control strategy is to shut off unneeded compressors or delay bringing on additional compressors until needed. Energy savings for sophisticated controls have been around 12% annually. Available controls for compressed air systems include start/stop, load/unload, throttling, multi-step, variable speed, and network controls.

**Compressed Air—System Optimization.** This is a general measure that refers to compressed air system improvements (besides sizing, controls, and maintenance) that allow it to perform at maximum energy efficiency. Such improvements could include reducing leaks, better load management, minimizing pressure drops throughout the system, reducing air inlet temperatures, and recovering waste compressor heat for other facility applications.

**Compressed Air—Sizing.** This measure refers to the proper sizing of compressors, regulators, and distribution pipes. Oversizing of compressors can result in wasted energy. By properly sizing regulators, compressed air will be saved that is otherwise wasted as excess air. Pipes must be sized correctly for optimal performance or resized to fit the current compressor system. Increasing pipe diameters typically reduces annual energy consumption by 3%.

**Pumps—O&M.** Inadequate maintenance can lower pump system efficiency, cause pumps to wear out more quickly, and increase costs. Better maintenance will reduce these problems and save energy. Proper pump system maintenance includes bearing inspection and repair, bearing lubrication, replacement of worn impellers, and inspection and replacement of mechanical seals.

**Pumps—Controls.** The objective of pump control strategies is to shut off unneeded pumps or, alternatively, to reduce pump load until needed. In addition to energy savings, proper pump control can lead to reduced maintenance costs and increased pump life.

**Pumps—System Optimization.** This is a general measure that refers to pump system improvements (besides sizing, controls, and maintenance) that allow it to perform at maximum energy efficiency. Such improvements could include pump demand reduction, high efficiency pumps, impeller trimming, and installing multiple pumps for variable loads.

**Pumps—Sizing.** Pumps that are sized inappropriately result in unnecessary losses. Where peak loads can be reduced, pump size can also be reduced. Replacing oversized pumps with pumps that are properly sized can save 15-25% of the electricity consumption of a pumping system (on average for U.S. industry).

**Fans—O&M.** This measure refers to the improvement of general O&M practice for fans, such as tightening belts, cleaning fans, and changing filters regularly.

**Fans—Controls.** The objective of fan control strategies is to shut off unneeded fans or, alternatively, to reduce fan load until needed. In addition to energy savings, proper fan control can lead to reduced maintenance costs and increased pump life.

**Fans—System Optimization.** This measure refers to general strategies for optimizing fans from a systems perspective, and includes such actions as better inlet and outlet design and reduction of fan sizing, where appropriate.

**Fans—Improve Components.** This measure refers to the improvement of fan components, such as replacing standard v-belts with cog v-belts and upgrading to the most energy efficient motors possible.

**Replace T-12 by T-8 and Electronic Ballasts.** T-12 tubes consume significant amounts of electricity, and have extremely poor efficacy, lamp life, lumen depreciation, and color rendering index. Replacing T-12 lamps with T-8 lamps (smaller diameter) approximately doubles the efficacy of the former. Electronic ballasts save 12-30% power over their magnetic predecessors; typical energy savings associated with replacing magnetic ballasts by electronic ballasts are estimated to be roughly 25%.

**Metal Halides/Fluorescents.** Metal halide lamps can replace mercury or fluorescent lamps with energy savings of 50%. For even further savings, high-intensity fluorescent lamps can be installed, which can yield 50% electricity savings over standard metal halide (high-intensity discharge) systems.

**Switch Off/O&M.** Lighting is often left on, even when the area or room is not occupied. Sensors can be installed (see below), but savings can also be realized by training personnel to switch off lights (and other equipment) when not needed. Furthermore, adapting switching to the use pattern of the building will enable to control the lighting in those areas where it is



needed (e.g., in many assembly areas a single switch controls all lighting, even when lighting would only be needed in a few zones within the assembly hall).

**Controls/Sensors.** Lights can be turned off during non-working hours by automatic controls such as occupancy sensors, which turn off lights when a space becomes unoccupied. Manual controls can be used in combination with automatic controls to save additional energy in small areas.

**Super T-8s.** Super T-8 fluorescent systems are a further development of (standard) T-8 tubes. Super T-8s combine further improvement of the fluorescent tube (e.g., barrier coating, improved fill, enhanced phosphors) with electronic ballasts in a single system.

**HVAC Management System.** An energy monitoring and control system supports the efficient operation of HVAC systems by monitoring, controlling, and tracking system energy consumption. Such systems continuously manage and optimize HVAC system energy consumption while also providing building engineers and energy managers with a valuable diagnostic tool for tracking energy consumption and identifying potential HVAC system problems.

**Cooling System Improvements.** The efficiency of chillers can be improved by lowering the temperature of the condenser water, thereby increasing the chilled water temperature differential. This can reduce pumping energy requirements. Another possible efficiency measure is the installation of separate high-temperature chillers for process cooling.

**Duct/Pipe Insulation/Leakage.** Duct leakage can waste significant amounts of energy in HVAC systems. Measures for reducing duct leakage include installing duct insulation and performing regular duct inspection and maintenance, including ongoing leak detection and repair. Improved duct and pipe insulation can prevent excessive heat/cooling dissipation, thereby improving system energy efficiency.

**Cooling Circulation Pumps—Variable Speed Drives.** Variable speed drives better match motor speed to load and can therefore lead to significant energy savings compared to constant speed drives. This measure considers the installation of VSDs on cooling circulation pumps.

**DX Tune-Up/Advanced Diagnostics.** The tune-up includes cleaning the condenser and evaporator coils, establishing optimal refrigerant levels, and purging refrigerant loops of entrained air. The qualifying relative performance range for a tune-up is between 60 and 85% of the rated efficiency of the unit. This includes fresh air economizer controls providing demand control ventilation and consisting of a logic module, enthalpy sensor(s), and CO<sup>2</sup> sensors in appropriate applications.

**DX Packaged System, EER=10.9, 10 tons.** A single package air conditioning unit consists of a single package (or cabinet housing) containing a condensing unit, a compressor, and an indoor fan/coil. An additional benefit of package units is that there is no need for field-installed refrigerant piping, thus minimizing labor costs and the possibility of contaminating the system with dirt, metal, oxides, or non-condensing gases. This measure involves installation of a Tier 2 high efficiency unit (EER=10.9) versus a standard unit (EER=10.3).

**Window Film.** Low-emittance windows are an effective strategy for improving building insulation. Low-E windows can lower the heat transmitted into a building and, therefore, increase its insulating ability. There are two types of Low-E glass: high solar transmitting (for regions with higher winter utility bills) and low solar transmitting (for regions with higher summer utility bills).

**Programmable Thermostat.** A programmable thermostat controls temperature settings of space heating and cooling, and optimizes settings based on occupancy and building use. This will reduce unnecessary heating and cooling outside the hours of building use. It may also help in building cooling by using nighttime cooling.

**Chiller O&M/Tune-Up.** This measure refers to the proper inspection and maintenance of chilled water systems. This can include setting correct head pressure, maintaining correct levels of refrigerant, and selecting and running appropriate compressors for part load. Energy savings can also be achieved by cleaning the condensers and evaporators to prevent scale buildup.

**Setback Temperatures (Weekends and Off Duty).** Setting back building temperatures (i.e., turning building temperatures down in winter or up in summer) during periods of non-use, such as weekends or non-production times, can lead to significant savings in HVAC energy consumption.

**Replace V-Belts.** Inventory data suggest that 4% of pumps have V-belt drives, many of which can be replaced with direct couplings to save energy. Based on assessments in several industries, the savings associated with V-belt replacement are estimated at 4%.

**ENERGY STAR Transformers.** This measure refers to the replacement of existing transformers, where feasible, by the latest ENERGY STAR certified transformers. ENERGY STAR transformers ensure a high level of energy efficiency.

**Sector-Specific Efficiency Measures (Electricity)**

**SIC 20. Food and Kindred Products**

**Efficient Refrigeration—Operations.** Refrigeration is an important energy user in the food industries. Refrigeration system operations can be improved by applying appropriate settings, opening refrigerated space for as short a period as possible, reducing leakage by controlling doorways, making sure that refrigerated space is used optimally, optimizing the defrosting cycle, as well as other small operational changes.

**Optimization Refrigeration.** The refrigeration system can be optimized by improving the operation of the compressors, selecting cooling systems with high COP values, reducing losses in the coolant distribution system, improved insulation of the cooled space, variable speed drives on cooling system, and optimizing the temperature setting of the cooling system.

**Bakery—Process.** Process improvements in the bakery can reduce electricity consumption through selection of energy-efficient equipment for the different processes, optimization of electric ovens, and good housekeeping (e.g., switching equipment off when not in use).

**Bakery—Process (Mixing).** About 35% of electricity in bakeries is used to mix and knead the dough. When selecting equipment electricity use should be one of the considerations as energy is the largest cost on a life-cycle basis. Today, energy use is not a criterion. High efficiency motors, speed control, and other measures may reduce electricity consumption.

**SIC 22. Textile Mill Products**

**SIC 23. Apparel and Other Textile Products**

**Drying (UV/IR).** This measure refers to the use of direct heating methods, such as infrared dryers. Direct heating provides significant energy savings because it eliminates the inefficiency of transferring heat to air and from the air to the wet material. The energy efficiency of direct heating is about 90%.

**Membranes for Wastewater.** Membrane technologies focus on separating the water from the contaminants using semi-permeable membranes and applied pressure differentials. Membrane filtration of wastewater is typically more energy efficient than evaporation methods, and can lead to significant reductions in facility freshwater intake.

**O&M of Spinning Machine Drives.** Electric motors are the single largest electricity user in spinning mills. Optimization of motor use, proper maintenance procedures (e.g., preventative maintenance), use of new high efficiency motors instead of re-winding, and switching off equipment when not in use can help improve energy efficiency.

**SIC 24. Lumber and Wood Products**

**SIC 25. Furniture and Fixtures**

**Air Conveying Systems.** Pneumatic or air conveying systems are used to transport material (e.g., sawdust, fibers) in the lumber industry. Energy efficiency improvement is feasible by optimizing the layout of the systems, reducing leakages, reducing bends in the system, and improving compressor operations (see also with compressed air systems).

**Optimize Drying Processes.** This is a general measure, which refers to the optimization of drying systems through such actions as the use of controls, heat recovery, insulation, and good housekeeping/maintenance.

**Heat Pumps—Drying.** This measure refers to the recovery of low-grade heat from the drying process via a heat pump, where cost effective.

**SIC 26. Paper and Allied Products**

**Gap Forming Paper Machine.** The gap former produces a paper of equal and uniform quality at a higher rate of speed. Coupling the former with a press section rebuild or an improvement in the drying capacity increases production capacity by as much as 30%. Energy savings from gap formers come from reduced electricity consumption per ton of product produced.

**High Consistency Forming.** In high consistency forming, the furnish (process pulp) which enters at the forming stage has more than double the consistency (3%) than normal furnish. This measure increases forming speed, and reduces dewatering and vacuum power requirements. Application of this technology is limited to specific paper grades, especially low-basis weight grades such as tissue, toweling, and newsprint. Electricity savings are estimated at 8%.

**Optimization Control Preventative Maintenance.** Large electric motors are used to run the paper machine. Optimization of the paper machine will reduce electricity use of the drives. Improved control strategies will improve throughput, reduce breakage and downtime, improving the energy efficiency per unit of throughput. Variable speed drives may help to optimize the energy use in water pumps in the paper machine.

**SIC 27. Printing and Publishing**

**Efficient Practices Printing Press.** This involves optimizing the use of the printing press by reducing production losses, switching off the press when not in use, and other improved operational practices.

**Efficient Printing Press (Fewer Cylinders).** New printing press designs allow the use of fewer cylinders (or rollers). This reduces the electricity use to drive the printing machine.

**Light Cylinders.** Reducing the weight of the cylinders (or rollers) in the printing machine will reduce the power needed to drive the machine. Using lightweight materials for cylinders has been demonstrated in Europe.

## **SIC 28. Chemicals and Allied Products**

**Clean Room—Controls.** Reduced recirculation air change rates, while still meeting quality control and regulatory standards, can reduce energy use. Additionally, optimized chilled water systems, reduction of clean room exhaust, and proper clean room cleanliness level classification can reduce energy use.

**Clean Room—New Designs.** When designing a clean room, energy use should be a primary consideration. Benchmarking tools and design tools are being developed to help improve the energy efficiency of new clean room systems. Furthermore, in the design phase, the system can be optimized for improved air filtration quality and efficiency and the use of cooling towers in lieu of water chillers.

**Process Controls (Batch + Site).** This is a general measure to implement computer-based process controls, where applicable, to monitor and optimize various processes from an energy consumption perspective. In general, by monitoring key process parameters, processes can be fine-tuned to minimize energy consumption while still meeting quality and productivity requirements. Control systems can also reduce the time required to perform complex tasks and can often improve product quality and consistency while optimizing process operations. This measure could include the installation of controls based on neural networks, knowledge-based systems, or improved sensor technology.

## **SIC 29. Petroleum and Coal Products**

**Controls:** See discussion for SIC 28.

**Power Recovery.** Various processes run at elevated pressures, enabling the opportunity for power recovery from the pressure in the flue gas. The major application for power recovery in the petroleum refinery is the fluid catalytic cracker (FCC). However, power recovery can also be applied to hydrocrackers or other equipment operated at elevated pressures. A power recovery turbine or turbo expander is used to recover energy from the pressure. The recovered energy can be used to drive the FCC compressor or to generate power.

**Efficient Desalter.** Alternative designs for desalting include multi-stage desalters and a combination of AC and DC fields. These alternative designs may lead to increased efficiency and lower energy consumption.

### **SIC 30. Rubber and Miscellaneous Plastic Products**

**O&M—Extruders/Injection Molding.** This includes improved operation and maintenance procedures of extruders, optimization of extruder settings, optimization of the extruder screw shape, optimization of the shape/thickness of the product, and reduction of standby time.

**Extruders/Injection Molding—Multi-pump.** The use of multiple pumps and an appropriate control system reduce the energy use of the extruder when not working at full capacity by only using the pump(s) needed.

**Direct Drive Extruders.** Use of a direct drive, instead of a gearbox or belt, will reduce losses by approximately 15% in extruders.

**Injection Molding—Impulse Cooling.** Impulse cooling regulates the cooling water use, increasing the cooling rate and reducing productivity (and downtime).

**Injection Molding—Direct Drive.** Use of a direct drive, instead of a gearbox or belt, will reduce losses by approximately 20% in injection molding machines.

### **SIC 32. Stone, Clay, Glass, and Concrete Products**

**Efficient Grinding.** This is a general measure that refers to efficient grinding technologies, which can include the use of high efficiency classifiers or separators.

**Process Controls.** See discussion for SIC 28.

**Top-Heating (Glass).** Most electric furnaces use electrodes in the batch to melt the raw materials into glass. Newer designs with top-mounted electrodes can improve and maintain product quality, and obtain a higher share of salable glass, which leads to lower energy intensities (energy per kg of glass produced).

**Autoclave Optimization.** In various processes, autoclaves are used to press materials. Multiple autoclaves are used. By synchronizing the time of the use of the individual autoclaves, energy can be reduced by re-using the output of one to operate another.

### **SIC 33. Primary Metal Industries**

**Process Controls.** See discussion for SIC 28.

**Efficient Electric Melting.** Electric arc furnaces are used in the steel industry to melt scrap. Only one mini-mill is operating in California. Multiple options are available to reduce the electricity consumption of the furnace, e.g., foamy slag, oxy-fuel injection, improved transformers, eccentric bottom tapping (EBT), as well as scrap preheating.

**Near Net Shape Casting.** Near net shape casting is the direct casting of the metal into very nearly the final shape, thereby eliminating other processing steps such as hot rolling, which can lead to significant energy savings.

**SIC 34. Fabricated Metal Products**

**SIC 35. Industrial Machinery and Equipment**

**SIC 37. Transportation Equipment**

**SIC 38. Instruments and Related Products**

**Optimization Process (M&T).** This is a general measure for optimizing the efficiency of painting processes, via such actions as the use of process controls, proper maintenance, and reducing the airflow rates in paint booths.

**Scheduling.** Optimization of the scheduling of various pieces of equipment can reduce downtime and hence save energy. Furthermore, improved control strategies can reduce standby energy use of equipment as part of an optimized scheduling system.

**Efficient Curing Ovens.** Efficiency options for curing ovens include the optimization of oven insulation, the use of heat recovery techniques, and the use of direct heating methods, such as infrared heating, microwave heating, and ultraviolet heating.

**Machinery.** Many machines (e.g., metal processing) use electricity or compressed air to drive the equipment. The use of compressed air systems should be minimized and replaced by direct drive systems, because of the low efficiency of the compressed air supply. Furthermore, many machines do not use high efficiency motors or speed controls.

**SIC 36. Electrical and Electronic Products**

**Scheduling.** See previous subsection.

**Efficient Curing Ovens.** See previous subsection.

**Machinery.** See previous subsection.

**Efficient Processes (Welding, etc.).** New more power efficient welding technology is developed. For welding robots, new servo-based systems reduce energy use. See also new transformers welding (see section 1.1).

## **SIC 39. Miscellaneous Manufacturing Industries**

**Scheduling.** See discussion for SIC 34.

**Efficient Machinery.** See discussion for SIC 34.

**Process Heating.** Induction furnaces are often used for electric process heating. Improved operation and maintenance can reduce part-load operation, downtime, and tap-to-tap time. Furthermore, high frequency induction furnaces improve energy use.

**Process Controls.** See discussion for SIC 28.

### **Natural Gas Measure Descriptions**

#### **Cross-Cutting Efficiency Measures**

##### **Boilers**

**Improved Process Control.** Flue gas monitors are used to maintain optimum flame temperature and monitor levels of carbon monoxide (CO), oxygen, and smoke in the flue gas. By combining an oxygen monitor with an intake airflow monitor, it is also possible to detect small leaks. Monitoring allows for improved control of the fuel/air mixture so that energy efficiency is maximized and pollutant emissions are minimized.

**Maintain Boilers.** Burners and condensate return systems can wear or get out of adjustment over time, which can cost a steam system up to 30% of its original efficiency over 2-3 years. Regular maintenance can ensure steam systems are operating at maximum efficiency.

**Flue Gas Heat Recovery/Economizer.** Heat from flue gases can be recovered using an economizer and used to preheat the feed water flowing into the boiler. By using waste heat to preheat feed water, the fuel consumption of the boiler can be reduced. This measure is fairly common in large boiler systems.

**Blowdown Steam Heat Recovery.** When water is blown from high-pressure boilers as part of regular blowdown procedures, the pressure reduction often produces substantial amounts of low-grade steam. This low-grade steam can be used for space heating and feed water preheating.

**Upgrade Burner Efficiency.** A boiler will run only as well as the burner performs. A poorly designed boiler with an efficient burner may perform better than a well-designed boiler with a poor burner. An efficient burner provides the proper air-to-fuel mixture throughout the full range of firing rates, without constant adjustment. An efficient natural gas burner requires only 2-3% excess oxygen, or 10-15% excess air in the flue gas, to burn fuel without forming excessive carbon monoxide.



**Water Treatment.** Water impurities can form scale on heat transfer tubes and surfaces and lead to corrosion of system components, which can steadily degrade the energy efficiency of a steam system. Water treatment can reduce scale and corrosion, and therefore help to maintain a steam system's optimal energy performance over time.

**Load Control.** A boiler economic load allocation system optimizes the loading of multiple boilers by providing steam to a common header to obtain the lowest cost per unit of steam. Modern, multiple burner load control, coupled with air trim control, can result in steam system fuel savings of 3-5%.

**Improved Insulation.** Advancements in insulating materials have produced a new generation of insulation with low heat capacity and better insulating capabilities. Energy savings of 6-26% can be achieved by upgrading boiler insulation and installing improved heater circuit controls (improved controls are often necessary to maintain proper output temperatures for older firebrick systems).

**Steam Trap Maintenance.** A simple program of checking steam traps to ensure they are operating properly can save significant amounts of energy. Without regular maintenance, steam traps can malfunction, wasting up to 10% of the energy consumed by a steam system.

**Automatic Steam Trap Monitoring.** Attaching automated monitors to steam traps allows for the quick diagnosis and correction of steam trap malfunction. This measure can lead to energy savings beyond the energy savings achieved through regular steam trap maintenance.

**Leak Repair.** As with steam traps, steam distribution pipes often have leaks that go unnoticed without a regular program of pipe inspection and maintenance. In addition to detecting and repairing leaks, thereby reducing wasted energy, this measure can also prevent small problems from developing into major leaks, which are often more difficult and expensive to repair.

**Condensate Return.** Returning the hot condensate that occurs within a steam system to the boiler can save energy and reduce the need to treat boiler feed water. The substantial savings in energy costs and purchased chemical costs associated with this measure often make the building of a return piping system financially attractive.

## **HVAC**

**Improve Ceiling Insulation.** Installing fiberglass or cellulose insulation material in floor, wall, or roof cavities will reduce heat transfer across these surfaces. The type of building construction limits insulation possibilities. Choice of insulation material will vary depending

on the roof construction type. The assumed scenario for this measure is to increase insulation from R-5 to R-24.

**Install High Efficiency (95%) Condensing Furnace/Boiler.** High efficiency condensing gas furnaces and boilers have AFUEs of greater than 90% compared to base efficiencies in the 80% range. For furnaces, efficiencies above 90% can be achieved with a number of technologies, pulse combustion being just one of many design approaches. Condensing boilers are available that operate with thermal efficiencies as high as 95% or more. These condensing units achieve their high efficiency by operating with stack gas temperatures around 100°F.

**Stack Heat Exchanger.** Air-to-air heat exchangers can be used to transfer heat between the intake ventilation air stream and the HVAC exhaust air stream. During periods when the outside air is colder than the inside air, the heat exchanger transfers heat from the exhaust air to the incoming air reducing heating energy use. When the outside air is warmer than the inside air, the heat exchanger transfers heat from the incoming air to the exhaust air, lowering the temperature of the incoming air and reducing cooling energy use.

**Duct Insulation.** Insulation material inhibits the transfer of heat through the air-supply duct. Several types of ducts and duct insulation are available, including flexible duct, pre-insulated flexible duct, duct board, duct wrap, tacked or glued rigid insulation, and water proof hard shell materials for exterior ducts.

**EMS Install.** The term Energy Management System (EMS) refers to a complete building control system which usually can include controls for both lighting and HVAC systems. The HVAC control system may include on/off scheduling and warm-up routines. The complete lighting and HVAC control systems are generally integrated using a personal computer with control system software.

**EMS Optimization.** Energy management systems are frequently underutilized and have hundreds of minor inefficiencies throughout the system. Optimization of the existing system frequently results in substantial savings to the measures controlled by the EMS (e.g., lighting, HVAC) by minimizing waste.

## **Sector-Specific Natural Gas Efficiency Measures**

### **SIC 20. Food and Kindred Products**

**Controls.** This is a general measure to implement computer-based process controls, where applicable, to monitor and optimize various processes from an energy consumption perspective. In general, by monitoring key process parameters, processes can be fine-tuned to minimize energy consumption while still meeting quality and productivity requirements.

Control systems can also reduce the time required to perform complex tasks and can often improve product quality and consistency while optimizing process operations. This measure could include the installation of controls based on neural networks, knowledge-based systems, or improved sensor technology.

**Process Heat Recovery.** This is a general measure to recover waste heat from processes wherever possible for use in other processes and/or facility applications, such as process feed preheating, space heating, water heating, and process air preheating.

**Process Integration.** Process integration refers to the exploitation of potential synergies that are inherent in any system that consists of multiple components working together. In plants that have multiple heating and cooling demands, the use of process integration techniques may significantly improve plant energy efficiency. Developed in the early 1970s, it is now an established methodology for continuous processes. The methodology involves the linking of hot and cold streams in a process in a thermodynamic optimal way. Process integration is the art of ensuring that the components are well suited and matched in terms of size, function, and capability.

**Efficient Drying.** Replacing existing dryers with the most efficient dryer technology can lead to energy savings. The most efficient dryers are those that recapture otherwise lost waste heat. Direct dryers are typically more efficient than indirect dryers. Typical efficiencies for direct dryers range from 95-98%, while indirect dryers typically have efficiencies in the range of 70-85%.

## **SIC 26. Paper and Allied Products**

**Controls.** See discussion for SIC 20.

**Closed Hood.** Paper machines with enclosed hoods require about one-half the amount of air per tonne of water evaporated that paper machines with a canopy hoods require. Enclosing the paper machine reduces thermal energy demands since a smaller volume of air is heated.

**Process Integration.** See discussion for SIC 20.

**Extended Nip Press.** After paper is formed, it is pressed to remove as much water as possible. Normally, pressing occurs between two felt liners pressed between two rotating cylinders. Extended nip presses use a large concave shoe instead of one of the rotating cylinders. The additional pressing area allows for greater water extraction, (about 5-7% more water removal) to a level of 35-50% dryness. Since this technology reduces the load on the dryer, it allows plants to increase capacity up to 25% in cases where the plant was dryer limited.

## **SIC 28. Chemicals and Allied Products**

**Controls.** See discussion for SIC 20.

**Process Integration.** See discussion for SIC 20.

**Improved Separation Processes.** Separation processes are important energy users, for which energy efficiency improvement is often possible. The most common separation processes in the chemical industry are distillation, crystallization, adsorption, extraction, and membranes. Improved separation processes that can lead to energy savings include combined reaction and distillation (e.g., reactive distillation), ion exchange and bio-separation, and hybrid processes.

**Thermal Oxidizers.** In many facilities VOC emissions are controlled by thermal oxidizers. The VOC-containing waste gas stream is mixed with natural gas and combusted, incinerating the VOCs. Regenerative thermal oxidizers can be used to recover some of the heat generated during the incineration. The heat can be used for preheating combustion air or steam generation.

## **SIC 29. Petroleum and Coal Products**

**Controls.** See discussion for SIC 20.

**Flare Gas Controls and Recovery.** Flare gas recovery (or zero flaring) is a strategy evolving from the need to improve environmental performance. Reduction of flaring can be achieved by improved recovery systems, including installing recovery compressors and collection and storage tanks. Reduction of flaring will not only result in reduced air pollutant emissions, but also in increased energy efficiency replacing fuels, as well as less negative publicity around flaring.

**Fouling Control.** Fouling is a deposit build-up in heat transfer units and piping that impedes heat transfer, driving the combustion of additional fuel. Currently, various methods to reduce fouling focus on process control, temperature control, regular maintenance and cleaning of the heat exchangers (either mechanically or chemically), and retrofit of reactor tubes.

**Process Integration.** See discussion for SIC 20.

**Efficient Furnaces.** This measure considers improvements to furnace efficiency. The efficiency of furnaces can be improved by improving heat transfer characteristics, enhancing flame luminosity, installing recuperators or air-preheaters, and improved process controls. New burner designs can facilitate improved mixing of fuel and air and more efficient heat

transfer. Many different concepts are developed to achieve these goals, including lean pre-mix burners, swirl burners, pulsating burners, and rotary burners.

### **SIC 32. Stone, Clay, Glass, and Concrete Products**

**Controls and Management.** See discussion for SIC 20.

**Efficient Burners.** The efficiency of natural gas-fired process heaters is governed by burner performance. An efficient burner provides the proper air-to-fuel mixture throughout the full range of firing rates, without constant adjustment. An efficient natural gas burner requires only 2-3% excess oxygen, or 10-15% excess air in the flue gas, to burn fuel without forming excessive carbon monoxide.

**Oxy-Fuel.** Oxy-fuel furnaces provide an oxygen-rich combustion environment, which improves energy efficiency while reducing NO<sub>x</sub> emissions. The energy savings of converting to an oxy-fuel furnace depend on the energy use of the current furnace, use of electric boosting, and air leakage. Energy savings are typically between 20-45% (45% for replacing energy inefficient furnaces).

**Batch Cullet Preheating.** In a cullet preheater, the waste heat of the fuel-fired furnace is used to preheat the incoming cullet batch. Cullet preheaters are marketed by a number of companies, and are either direct or indirect preheaters. In the direct preheater, the cullet is in direct contact with the flue gas. The indirect preheater is a cross-flow plate heat exchanger. Energy savings of cullet preheaters are estimated to be between 12-20%.

### **SIC 33. Primary Metal Industries**

**Controls and management.** See discussion for SIC 20.

**Preventative Maintenance.** Preventative maintenance involves training personnel to be attentive to energy consumption and efficiency. Successful programs have been launched in many industries. Examples in steel making include timely closing of furnace doors to reduce heat leakage and reducing material waste in the shaping steps. At an integrated steel plant in the Netherlands, 2% of total energy use was saved via preventative maintenance measures such as those cited above.

**Efficient Burners.** See discussion for SIC 32.

**Heat Recovery.** See discussion for SIC 20.

### **SIC 34. Fabricated Metal Products**

**Combustion Controls.** Combustion controls aim to improve combustion efficiency by ensuring the proper air-to-fuel ratio is used, which generally requires establishing the proper amount of excess air.

**Efficient Burners.** See discussion for SIC 32.

**Optimize Furnace Operations.** The improvement opportunity addresses the losses that are associated with the combustion of fuel and the transfer of the energy from this fuel to the material within a furnace. Key improvement areas include controlling the air-to-fuel ratio, reducing excess air, preheating of combustion air or oxidant, recovering furnace waste heat, and oxygen enrichment.

**Insulation/Reduce Heat Losses.** This measure includes all opportunities for better heat containment within a furnace. Opportunities include improved insulation of furnace walls, reduction or elimination of air infiltration, repair and maintenance of furnace seals, and improved insulation of related piping and ductwork.

### **Other Industries**

The following SIC codes represent only a small fraction of the industrial natural gas consumed in California.

- SIC 22 Textile mill products
- SIC 23 Apparel and other textile products
- SIC 24 Lumber and wood products
- SIC 25 Furniture and fixtures
- SIC 27 Printing and publishing
- SIC 30 Rubber and miscellaneous plastics products
- SIC 31 Leather and leather products
- SIC 35 Industrial machinery and equipment
- SIC 36 Electrical and electronic products
- SIC 37 Transportation equipment
- SIC 38 Instruments and related products
- SIC 39 Miscellaneous manufacturing industries

For these SIC codes, two generic efficiency measures were considered: (1) process controls and management, and (2) heat recovery.

**Process Controls and Management.** This is a general measure to implement computer-based process controls, where applicable, to monitor and optimize various processes from an

energy consumption perspective. In general, by monitoring key process parameters, processes can be fine-tuned to minimize energy consumption while still meeting quality and productivity requirements. Control systems can also reduce the time required to perform complex tasks and can often improve product quality and consistency and optimize process operations. This measure could include the installation of controls based on neural networks, knowledge-based systems, or improved sensor technology.

**Heat Recovery.** This is a general measure to recover waste heat from processes wherever possible for use in other processes and/or facility applications, such as process feed preheating, space heating, water heating, and process air preheating.

# ***Appendix B***

## **Economic Parameters, Avoided Costs, and Net to Gross**

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### **B.1 Economic Parameters**

The analysis used the following rates:

- Utility discount rate: 5%
- General inflation rate: 3%

### **B.2 Net to Gross Ratio**

The net to gross ratio for residential is 0.54 for freezer recycling, 0.38 refrigerator recycling, and 0.8 for all remaining residential measures. The net to gross ratio for commercial is a weighted average of the commercial net to gross rate from express efficiency and spc. The net to gross for SoCalGas is 0.96 and 1.0 for cooking measures. The net to gross for PG&E commercial gas measures is 0.83, electric measures is 0.85, and 1.0 for cooking measures. The net to gross for SDG&E commercial gas measures is 0.81, electric measures is 0.85, and 1.0 for cooking measures. The net to gross for SCE commercial electric measures is 0.81 and 1.0 for cooking measures.

### **B.3 Avoided Costs**

The following abbreviations are used for periods in the tables below:

- SOP: summer on peak
- SPP: summer partial peak
- SOFF: summer off peak
- WPP: winter partial peak
- WOFF: winter off peak

Table B-1 provides the TOU schedule used in the analysis. These TOU periods most closely match PG&E's TOU schedule and are the same as the those used in the 2002/2003 potential studies performed by KEMA.



**Table B-1: Description of TOU Periods**

TOU Schedule		
	Summer May 1 - Oct 31	Winter All Other Months
Peak	1 PM to 6:59 PM Weekdays	(none)
Partial-Peak	9 AM – 12:59 PM Weekdays 7 PM – 9:59 PM Weekdays	9 AM – 9:59 PM Weekdays
Off-Peak	10 PM – 8:59 AM Weekdays All Weekends and Holidays	10 PM to 8:59 AM Weekdays All Weekends and Holidays

Table B-2 presents the externalities. The externalities do not change by climate zone. Table B-3 through Table B-24 present the avoided costs used in the analysis by utility and climate zone. The values presented in the tables below are cents per kWh in real terms. The analysis assumed a constant real avoided cost from 2022-2035 due to the limited timeframe of the available forecast.<sup>1</sup>

**Table B-2: Externalities**

Year	SOP	SPP	SOFF	WPP	WOFF
2004	0.55	0.49	0.39	0.47	0.39
2005	0.57	0.51	0.40	0.48	0.40
2006	0.59	0.52	0.41	0.49	0.41
2007	0.61	0.54	0.43	0.51	0.42
2008	0.76	0.67	0.52	0.63	0.52
2009	0.78	0.68	0.53	0.64	0.53
2010	0.79	0.70	0.55	0.66	0.54
2011	0.83	0.73	0.57	0.69	0.56
2012	0.86	0.76	0.59	0.71	0.58
2013	0.89	0.79	0.61	0.74	0.61
2014	0.93	0.82	0.64	0.77	0.63
2015	0.97	0.85	0.66	0.80	0.65
2016	1.00	0.88	0.69	0.83	0.68

<sup>1</sup> Energy and Environmental Economics, Inc. *A Forecast of Cost-Effectiveness Avoided Costs and Externality Adders*. Prepared for the California Public Utilities Commission, Energy Division. January 2004.

**Table B-3: Avoided Costs by Year for PG&E Climate Zone 1**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	10.70	9.34	4.61	5.36	4.46	4.89	4.89	4.89	7.58	7.58
2005	10.35	9.11	4.46	5.20	4.33	4.56	4.56	4.56	7.05	7.05
2006	10.10	8.94	4.36	5.10	4.24	4.34	4.34	4.34	6.76	6.76
2007	9.76	8.72	4.22	4.94	4.11	4.25	4.25	4.25	6.57	6.57
2008	10.50	9.30	4.67	5.51	4.59	4.19	4.19	4.19	6.44	6.44
2009	10.40	9.22	4.61	5.44	4.53	4.13	4.13	4.13	6.35	6.35
2010	10.42	9.24	4.63	5.46	4.54	4.15	4.15	4.15	6.39	6.39
2011	10.56	9.34	4.70	5.55	4.62	4.27	4.27	4.27	6.51	6.51
2012	10.68	9.42	4.77	5.63	4.69	4.37	4.37	4.37	6.62	6.62
2013	10.82	9.53	4.85	5.73	4.77	4.49	4.49	4.49	6.76	6.76
2014	10.94	9.62	4.92	5.81	4.84	4.59	4.59	4.59	6.87	6.87
2015	11.06	9.71	4.99	5.90	4.91	4.69	4.69	4.69	6.98	6.98
2016	11.19	9.81	5.06	5.99	4.98	4.81	4.81	4.81	7.10	7.10
2017	11.31	9.90	5.13	6.07	5.05	4.91	4.91	4.91	7.21	7.21
2018	11.44	9.99	5.20	6.16	5.13	5.02	5.02	5.02	7.33	7.33
2019	11.58	10.09	5.28	6.25	5.20	5.13	5.13	5.13	7.45	7.45
2020	11.70	10.18	5.34	6.33	5.27	5.23	5.23	5.23	7.56	7.56
2021	11.84	10.29	5.42	6.43	5.35	5.35	5.35	5.35	7.68	7.68
2022	11.98	10.39	5.50	6.53	5.43	5.47	5.47	5.47	7.81	7.81
2023	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2024	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2025	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2026	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2027	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2028	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2029	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2030	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2031	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2032	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2033	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2034	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2035	11.98	10.39	5.50	6.53	5.43	5.48	5.48	5.48	7.82	7.82

**Table B-4: Avoided Costs by Year for PG&E Climate Zone 2**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	12.59	7.30	4.54	5.36	4.46	4.89	4.89	4.89	7.58	7.58
2005	12.24	7.07	4.39	5.20	4.33	4.56	4.56	4.56	7.05	7.05
2006	11.98	6.90	4.29	5.10	4.24	4.34	4.34	4.34	6.76	6.76
2007	11.65	6.68	4.15	4.94	4.11	4.25	4.25	4.25	6.57	6.57
2008	12.39	7.26	4.60	5.51	4.59	4.19	4.19	4.19	6.44	6.44
2009	12.28	7.18	4.54	5.44	4.53	4.13	4.13	4.13	6.35	6.35
2010	12.31	7.20	4.56	5.46	4.54	4.15	4.15	4.15	6.39	6.39
2011	12.44	7.30	4.63	5.55	4.62	4.27	4.27	4.27	6.51	6.51
2012	12.56	7.39	4.70	5.63	4.69	4.37	4.37	4.37	6.62	6.62
2013	12.71	7.50	4.78	5.73	4.77	4.49	4.49	4.49	6.76	6.76
2014	12.82	7.59	4.85	5.81	4.84	4.59	4.59	4.59	6.87	6.87
2015	12.94	7.68	4.92	5.90	4.91	4.69	4.69	4.69	6.98	6.98
2016	13.07	7.78	4.99	5.99	4.98	4.81	4.81	4.81	7.10	7.10
2017	13.19	7.86	5.06	6.07	5.05	4.91	4.91	4.91	7.21	7.21
2018	13.32	7.96	5.13	6.16	5.13	5.02	5.02	5.02	7.33	7.33
2019	13.46	8.06	5.21	6.25	5.20	5.13	5.13	5.13	7.45	7.45
2020	13.58	8.15	5.27	6.33	5.27	5.23	5.23	5.23	7.56	7.56
2021	13.72	8.26	5.35	6.43	5.35	5.35	5.35	5.35	7.68	7.68
2022	13.86	8.36	5.43	6.53	5.43	5.47	5.47	5.47	7.81	7.81
2023	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2024	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2025	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2026	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2027	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2028	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2029	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2030	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2031	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2032	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2033	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2034	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2035	13.86	8.36	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82

**Table B-5: Avoided Costs by Year for PG&E Climate Zone 3A**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	9.37	6.40	4.54	5.36	4.46	4.89	4.89	4.89	7.58	7.58
2005	9.03	6.17	4.39	5.20	4.33	4.56	4.56	4.56	7.05	7.05
2006	8.77	6.00	4.29	5.10	4.24	4.34	4.34	4.34	6.76	6.76
2007	8.44	5.78	4.14	4.94	4.11	4.25	4.25	4.25	6.57	6.57
2008	9.18	6.36	4.60	5.51	4.59	4.19	4.19	4.19	6.44	6.44
2009	9.07	6.28	4.54	5.44	4.53	4.13	4.13	4.13	6.35	6.35
2010	9.10	6.30	4.56	5.46	4.54	4.15	4.15	4.15	6.39	6.39
2011	9.23	6.40	4.63	5.55	4.62	4.27	4.27	4.27	6.51	6.51
2012	9.36	6.49	4.70	5.63	4.69	4.37	4.37	4.37	6.62	6.62
2013	9.50	6.60	4.78	5.73	4.77	4.49	4.49	4.49	6.76	6.76
2014	9.62	6.69	4.85	5.81	4.84	4.59	4.59	4.59	6.87	6.87
2015	9.74	6.78	4.91	5.90	4.91	4.69	4.69	4.69	6.98	6.98
2016	9.88	6.88	4.99	5.99	4.98	4.81	4.81	4.81	7.10	7.10
2017	9.99	6.97	5.05	6.07	5.05	4.91	4.91	4.91	7.21	7.21
2018	10.13	7.07	5.13	6.16	5.13	5.02	5.02	5.02	7.33	7.33
2019	10.26	7.17	5.20	6.25	5.20	5.13	5.13	5.13	7.45	7.45
2020	10.38	7.26	5.27	6.33	5.27	5.23	5.23	5.23	7.56	7.56
2021	10.52	7.36	5.35	6.43	5.35	5.35	5.35	5.35	7.68	7.68
2022	10.67	7.47	5.43	6.53	5.43	5.47	5.47	5.47	7.81	7.81
2023	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2024	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2025	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2026	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2027	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2028	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2029	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2030	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2031	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2032	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2033	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2034	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2035	10.67	7.47	5.43	6.53	5.43	5.48	5.48	5.48	7.82	7.82

**Table B-6: Avoided Costs by Year for PG&E Climate Zone 3B**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	12.13	7.21	4.74	5.36	4.46	4.89	4.89	4.89	7.58	7.58
2005	11.78	6.98	4.59	5.20	4.33	4.56	4.56	4.56	7.05	7.05
2006	11.53	6.82	4.49	5.10	4.24	4.34	4.34	4.34	6.76	6.76
2007	11.19	6.60	4.35	4.94	4.11	4.25	4.25	4.25	6.57	6.57
2008	11.93	7.17	4.80	5.51	4.59	4.19	4.19	4.19	6.44	6.44
2009	11.83	7.09	4.74	5.44	4.53	4.13	4.13	4.13	6.35	6.35
2010	11.85	7.12	4.76	5.46	4.54	4.15	4.15	4.15	6.39	6.39
2011	11.99	7.21	4.83	5.55	4.62	4.27	4.27	4.27	6.51	6.51
2012	12.10	7.30	4.90	5.63	4.69	4.37	4.37	4.37	6.62	6.62
2013	12.25	7.41	4.98	5.73	4.77	4.49	4.49	4.49	6.76	6.76
2014	12.37	7.50	5.05	5.81	4.84	4.59	4.59	4.59	6.87	6.87
2015	12.49	7.59	5.11	5.90	4.91	4.69	4.69	4.69	6.98	6.98
2016	12.62	7.69	5.19	5.99	4.98	4.81	4.81	4.81	7.10	7.10
2017	12.74	7.78	5.25	6.07	5.05	4.91	4.91	4.91	7.21	7.21
2018	12.87	7.88	5.33	6.16	5.13	5.02	5.02	5.02	7.33	7.33
2019	13.00	7.98	5.40	6.25	5.20	5.13	5.13	5.13	7.45	7.45
2020	13.12	8.07	5.47	6.33	5.27	5.23	5.23	5.23	7.56	7.56
2021	13.26	8.17	5.55	6.43	5.35	5.35	5.35	5.35	7.68	7.68
2022	13.40	8.28	5.63	6.53	5.43	5.47	5.47	5.47	7.81	7.81
2023	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2024	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2025	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2026	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2027	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2028	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2029	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2030	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2031	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2032	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2033	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2034	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2035	13.40	8.28	5.63	6.53	5.43	5.48	5.48	5.48	7.82	7.82

**Table B-7: Avoided Costs by Year for PG&E Climate Zone 4**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	10.96	7.54	4.64	5.36	4.46	4.88	4.88	4.88	7.52	7.52
2005	10.61	7.31	4.49	5.20	4.33	4.54	4.54	4.54	7.00	7.00
2006	10.36	7.14	4.39	5.10	4.24	4.34	4.34	4.34	6.72	6.72
2007	10.02	6.92	4.25	4.94	4.11	4.25	4.25	4.25	6.53	6.53
2008	10.76	7.50	4.70	5.51	4.59	4.19	4.19	4.19	6.40	6.40
2009	10.66	7.42	4.64	5.44	4.53	4.13	4.13	4.13	6.31	6.31
2010	10.69	7.44	4.66	5.46	4.54	4.15	4.15	4.15	6.35	6.35
2011	10.82	7.54	4.73	5.55	4.62	4.27	4.27	4.27	6.47	6.47
2012	10.94	7.63	4.80	5.63	4.69	4.38	4.38	4.38	6.58	6.58
2013	11.09	7.74	4.88	5.73	4.77	4.50	4.50	4.50	6.72	6.72
2014	11.20	7.83	4.95	5.81	4.84	4.60	4.60	4.60	6.83	6.83
2015	11.32	7.92	5.02	5.90	4.91	4.70	4.70	4.70	6.94	6.94
2016	11.46	8.02	5.09	5.99	4.98	4.81	4.81	4.81	7.06	7.06
2017	11.57	8.10	5.16	6.07	5.05	4.91	4.91	4.91	7.16	7.16
2018	11.71	8.20	5.23	6.16	5.13	5.03	5.03	5.03	7.29	7.29
2019	11.84	8.30	5.31	6.25	5.20	5.14	5.14	5.14	7.41	7.41
2020	11.96	8.39	5.37	6.33	5.27	5.24	5.24	5.24	7.52	7.52
2021	12.10	8.50	5.45	6.43	5.35	5.36	5.36	5.36	7.64	7.64
2022	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.77	7.77
2023	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2024	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2025	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2026	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2027	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2028	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2029	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2030	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2031	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2032	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2033	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2034	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78
2035	12.24	8.60	5.53	6.53	5.43	5.48	5.48	5.48	7.78	7.78

**Table B-8: Avoided Costs by Year for PG&E Climate Zone 5**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	9.54	8.01	4.86	5.36	4.46	4.70	4.70	4.70	6.59	6.59
2005	9.19	7.77	4.71	5.20	4.33	4.38	4.38	4.38	6.12	6.12
2006	8.93	7.61	4.61	5.10	4.24	4.31	4.31	4.31	5.98	5.98
2007	8.60	7.39	4.47	4.94	4.11	4.22	4.22	4.22	5.79	5.79
2008	9.34	7.96	4.92	5.51	4.59	4.17	4.17	4.17	5.66	5.66
2009	9.23	7.88	4.86	5.44	4.53	4.10	4.10	4.10	5.57	5.57
2010	9.26	7.91	4.88	5.46	4.54	4.17	4.17	4.17	5.64	5.64
2011	9.39	8.00	4.95	5.55	4.62	4.32	4.32	4.32	5.80	5.80
2012	9.51	8.09	5.02	5.63	4.69	4.47	4.47	4.47	5.95	5.95
2013	9.66	8.20	5.10	5.73	4.77	4.59	4.59	4.59	6.10	6.10
2014	9.78	8.29	5.17	5.81	4.84	4.70	4.70	4.70	6.21	6.21
2015	9.90	8.38	5.23	5.90	4.91	4.80	4.80	4.80	6.32	6.32
2016	10.03	8.48	5.31	5.99	4.98	4.92	4.92	4.92	6.44	6.44
2017	10.15	8.57	5.37	6.07	5.05	4.95	4.95	4.95	6.47	6.47
2018	10.28	8.67	5.45	6.16	5.13	5.13	5.13	5.13	6.66	6.66
2019	10.42	8.77	5.52	6.25	5.20	5.24	5.24	5.24	6.78	6.78
2020	10.54	8.85	5.59	6.33	5.27	5.35	5.35	5.35	6.89	6.89
2021	10.68	8.96	5.67	6.43	5.35	5.46	5.46	5.46	7.01	7.01
2022	10.82	9.07	5.75	6.53	5.43	5.60	5.60	5.60	7.15	7.15
2023	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2024	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2025	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2026	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2027	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2028	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2029	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2030	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2031	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2032	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2033	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2034	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16
2035	10.82	9.07	5.75	6.53	5.43	5.61	5.61	5.61	7.16	7.16

**Table B-9: Avoided Costs by Year for PG&E Climate Zone 11**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	12.76	6.82	4.98	5.36	4.46	4.89	4.89	4.89	7.58	7.58
2005	12.41	6.59	4.83	5.20	4.33	4.56	4.56	4.56	7.05	7.05
2006	12.15	6.42	4.73	5.10	4.24	4.34	4.34	4.34	6.76	6.76
2007	11.82	6.20	4.59	4.94	4.11	4.25	4.25	4.25	6.57	6.57
2008	12.56	6.78	5.04	5.51	4.59	4.19	4.19	4.19	6.44	6.44
2009	12.45	6.70	4.98	5.44	4.53	4.13	4.13	4.13	6.35	6.35
2010	12.48	6.72	5.00	5.46	4.54	4.15	4.15	4.15	6.39	6.39
2011	12.61	6.82	5.07	5.55	4.62	4.27	4.27	4.27	6.51	6.51
2012	12.73	6.91	5.14	5.63	4.69	4.37	4.37	4.37	6.62	6.62
2013	12.87	7.02	5.22	5.73	4.77	4.49	4.49	4.49	6.76	6.76
2014	12.99	7.11	5.29	5.81	4.84	4.59	4.59	4.59	6.87	6.87
2015	13.11	7.20	5.35	5.90	4.91	4.69	4.69	4.69	6.98	6.98
2016	13.24	7.30	5.43	5.99	4.98	4.81	4.81	4.81	7.10	7.10
2017	13.36	7.38	5.49	6.07	5.05	4.91	4.91	4.91	7.21	7.21
2018	13.49	7.48	5.57	6.16	5.13	5.02	5.02	5.02	7.33	7.33
2019	13.62	7.58	5.64	6.25	5.20	5.13	5.13	5.13	7.45	7.45
2020	13.74	7.67	5.71	6.33	5.27	5.23	5.23	5.23	7.56	7.56
2021	13.88	7.78	5.79	6.43	5.35	5.35	5.35	5.35	7.68	7.68
2022	14.02	7.88	5.87	6.53	5.43	5.47	5.47	5.47	7.81	7.81
2023	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2024	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2025	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2026	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2027	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2028	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2029	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2030	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2031	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2032	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2033	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2034	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2035	14.02	7.88	5.87	6.53	5.43	5.48	5.48	5.48	7.82	7.82



**Table B-10: Avoided Costs by Year for PG&E Climate Zone 12**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	12.94	6.68	4.73	5.36	4.46	4.89	4.89	4.89	7.58	7.58
2005	12.59	6.45	4.59	5.20	4.33	4.56	4.56	4.56	7.05	7.05
2006	12.34	6.28	4.49	5.10	4.24	4.34	4.34	4.34	6.76	6.76
2007	12.00	6.06	4.34	4.94	4.11	4.25	4.25	4.25	6.57	6.57
2008	12.74	6.64	4.79	5.51	4.59	4.19	4.19	4.19	6.44	6.44
2009	12.63	6.56	4.74	5.44	4.53	4.13	4.13	4.13	6.35	6.35
2010	12.66	6.58	4.75	5.46	4.54	4.15	4.15	4.15	6.39	6.39
2011	12.79	6.68	4.83	5.55	4.62	4.27	4.27	4.27	6.51	6.51
2012	12.91	6.77	4.89	5.63	4.69	4.37	4.37	4.37	6.62	6.62
2013	13.06	6.88	4.98	5.73	4.77	4.49	4.49	4.49	6.76	6.76
2014	13.18	6.97	5.04	5.81	4.84	4.59	4.59	4.59	6.87	6.87
2015	13.29	7.06	5.11	5.90	4.91	4.69	4.69	4.69	6.98	6.98
2016	13.43	7.16	5.18	5.99	4.98	4.81	4.81	4.81	7.10	7.10
2017	13.54	7.25	5.25	6.07	5.05	4.91	4.91	4.91	7.21	7.21
2018	13.68	7.35	5.32	6.16	5.13	5.02	5.02	5.02	7.33	7.33
2019	13.81	7.45	5.40	6.25	5.20	5.13	5.13	5.13	7.45	7.45
2020	13.93	7.53	5.47	6.33	5.27	5.23	5.23	5.23	7.56	7.56
2021	14.07	7.64	5.55	6.43	5.35	5.35	5.35	5.35	7.68	7.68
2022	14.21	7.75	5.62	6.53	5.43	5.47	5.47	5.47	7.81	7.81
2023	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2024	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2025	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2026	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2027	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2028	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2029	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2030	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2031	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2032	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2033	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2034	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82
2035	14.21	7.75	5.62	6.53	5.43	5.48	5.48	5.48	7.82	7.82

**Table B-11: Avoided Costs by Year for PG&E Climate Zone 13**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	11.39	6.40	4.71	5.36	4.46	4.82	4.82	4.82	7.23	7.23
2005	11.04	6.17	4.56	5.20	4.33	4.49	4.49	4.49	6.73	6.73
2006	10.78	6.01	4.46	5.10	4.24	4.33	4.33	4.33	6.49	6.49
2007	10.45	5.78	4.32	4.94	4.11	4.24	4.24	4.24	6.30	6.30
2008	11.19	6.36	4.77	5.51	4.59	4.18	4.18	4.18	6.17	6.17
2009	11.08	6.28	4.71	5.44	4.53	4.12	4.12	4.12	6.08	6.08
2010	11.11	6.30	4.73	5.46	4.54	4.16	4.16	4.16	6.13	6.13
2011	11.24	6.40	4.80	5.55	4.62	4.29	4.29	4.29	6.26	6.26
2012	11.36	6.49	4.87	5.63	4.69	4.41	4.41	4.41	6.38	6.38
2013	11.51	6.60	4.95	5.73	4.77	4.52	4.52	4.52	6.53	6.53
2014	11.63	6.69	5.02	5.81	4.84	4.63	4.63	4.63	6.64	6.64
2015	11.74	6.78	5.09	5.90	4.91	4.73	4.73	4.73	6.75	6.75
2016	11.88	6.88	5.16	5.99	4.98	4.84	4.84	4.84	6.87	6.87
2017	12.00	6.97	5.23	6.07	5.05	4.92	4.92	4.92	6.95	6.95
2018	12.13	7.07	5.30	6.16	5.13	5.06	5.06	5.06	7.09	7.09
2019	12.26	7.17	5.38	6.25	5.20	5.17	5.17	5.17	7.21	7.21
2020	12.38	7.26	5.44	6.33	5.27	5.28	5.28	5.28	7.32	7.32
2021	12.52	7.37	5.52	6.43	5.35	5.39	5.39	5.39	7.45	7.45
2022	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.58	7.58
2023	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2024	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2025	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2026	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2027	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2028	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2029	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2030	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2031	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2032	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2033	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2034	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59
2035	12.66	7.47	5.60	6.53	5.43	5.52	5.52	5.52	7.59	7.59

**Table B-12: Avoided Costs by Year for PG&E Climate Zone 16**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	12.46	7.57	4.94	5.36	4.46	4.86	4.86	4.86	7.44	7.44
2005	12.11	7.34	4.79	5.20	4.33	4.53	4.53	4.53	6.92	6.92
2006	11.85	7.18	4.69	5.10	4.24	4.33	4.33	4.33	6.65	6.65
2007	11.52	6.95	4.55	4.94	4.11	4.24	4.24	4.24	6.46	6.46
2008	12.26	7.53	5.00	5.51	4.59	4.19	4.19	4.19	6.33	6.33
2009	12.15	7.45	4.94	5.44	4.53	4.12	4.12	4.12	6.24	6.24
2010	12.18	7.47	4.96	5.46	4.54	4.16	4.16	4.16	6.29	6.29
2011	12.31	7.57	5.03	5.55	4.62	4.27	4.27	4.27	6.41	6.41
2012	12.43	7.66	5.10	5.63	4.69	4.39	4.39	4.39	6.52	6.52
2013	12.57	7.77	5.18	5.73	4.77	4.50	4.50	4.50	6.67	6.67
2014	12.69	7.86	5.25	5.81	4.84	4.61	4.61	4.61	6.78	6.78
2015	12.81	7.95	5.31	5.90	4.91	4.71	4.71	4.71	6.88	6.88
2016	12.94	8.05	5.39	5.99	4.98	4.82	4.82	4.82	7.00	7.00
2017	13.06	8.14	5.46	6.07	5.05	4.91	4.91	4.91	7.10	7.10
2018	13.19	8.23	5.53	6.16	5.13	5.04	5.04	5.04	7.23	7.23
2019	13.32	8.33	5.60	6.25	5.20	5.15	5.15	5.15	7.35	7.35
2020	13.44	8.42	5.67	6.33	5.27	5.25	5.25	5.25	7.46	7.46
2021	13.58	8.53	5.75	6.43	5.35	5.37	5.37	5.37	7.59	7.59
2022	13.72	8.63	5.83	6.53	5.43	5.49	5.49	5.49	7.72	7.72
2023	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2024	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2025	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2026	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2027	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2028	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2029	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2030	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2031	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2032	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2033	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2034	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73
2035	13.72	8.63	5.83	6.53	5.43	5.50	5.50	5.50	7.73	7.73

**Table B-13: Avoided Costs by Year for SCE Climate Zone 6**

Year	Electricity				
	SOP	SPP	SOFF	WPP	WOFF
2004	9.33	8.84	4.23	5.47	4.23
2005	9.26	8.83	4.23	5.49	4.25
2006	9.01	8.68	4.14	5.38	4.16
2007	8.85	8.60	4.09	5.33	4.13
2008	8.88	8.66	4.14	5.42	4.20
2009	8.79	8.61	4.09	5.35	4.15
2010	8.86	8.68	4.13	5.40	4.18
2011	9.05	8.83	4.22	5.53	4.28
2012	9.26	9.07	4.31	5.64	4.37
2013	9.45	9.29	4.39	5.75	4.45
2014	9.62	9.49	4.46	5.84	4.52
2015	9.77	9.67	4.53	5.92	4.58
2016	9.94	9.86	4.60	6.01	4.65
2017	10.00	9.98	4.62	6.03	4.67
2018	10.22	10.15	4.73	6.18	4.78
2019	10.36	10.27	4.80	6.27	4.85
2020	10.50	10.39	4.86	6.36	4.92
2021	10.63	10.51	4.93	6.44	4.99
2022	10.80	10.65	5.01	6.56	5.08
2023	10.81	10.67	5.02	6.56	5.08
2024	10.81	10.67	5.02	6.56	5.08
2025	10.81	10.67	5.02	6.56	5.08
2026	10.81	10.67	5.02	6.56	5.08
2027	10.81	10.67	5.02	6.56	5.08
2028	10.81	10.67	5.02	6.56	5.08
2029	10.81	10.67	5.02	6.56	5.08
2030	10.81	10.67	5.02	6.56	5.08
2031	10.81	10.67	5.02	6.56	5.08
2032	10.81	10.67	5.02	6.56	5.08
2033	10.81	10.67	5.02	6.56	5.08
2034	10.81	10.67	5.02	6.56	5.08
2035	10.81	10.67	5.02	6.56	5.08

**Table B-14: Avoided Costs by Year for SCE Climate Zone 8**

Year	Electricity				
	SOP	SPP	SOFF	WPP	WOFF
2004	9.47	8.26	4.28	5.47	4.23
2005	9.40	8.24	4.28	5.49	4.25
2006	9.14	8.09	4.19	5.38	4.16
2007	8.98	8.01	4.14	5.33	4.13
2008	9.01	8.07	4.20	5.42	4.20
2009	8.92	8.01	4.15	5.35	4.15
2010	9.00	8.07	4.18	5.40	4.18
2011	9.19	8.22	4.28	5.53	4.28
2012	9.42	8.47	4.37	5.64	4.37
2013	9.65	8.71	4.46	5.75	4.45
2014	9.84	8.93	4.54	5.84	4.52
2015	10.02	9.13	4.61	5.92	4.58
2016	10.20	9.33	4.68	6.01	4.65
2017	10.29	9.47	4.71	6.03	4.67
2018	10.52	9.64	4.82	6.18	4.78
2019	10.65	9.76	4.88	6.27	4.85
2020	10.79	9.87	4.95	6.36	4.92
2021	10.93	9.98	5.02	6.44	4.99
2022	11.10	10.12	5.10	6.56	5.08
2023	11.11	10.14	5.10	6.56	5.08
2024	11.11	10.14	5.10	6.56	5.08
2025	11.11	10.14	5.10	6.56	5.08
2026	11.11	10.14	5.10	6.56	5.08
2027	11.11	10.14	5.10	6.56	5.08
2028	11.11	10.14	5.10	6.56	5.08
2029	11.11	10.14	5.10	6.56	5.08
2030	11.11	10.14	5.10	6.56	5.08
2031	11.11	10.14	5.10	6.56	5.08
2032	11.11	10.14	5.10	6.56	5.08
2033	11.11	10.14	5.10	6.56	5.08
2034	11.11	10.14	5.10	6.56	5.08
2035	11.11	10.14	5.10	6.56	5.08

**Table B-15: Avoided Costs by Year for SCE Climate Zone 9**

Year	Electricity				
	SOP	SPP	SOFF	WPP	WOFF
2004	10.75	7.62	4.36	5.47	4.23
2005	10.69	7.60	4.36	5.49	4.25
2006	10.44	7.45	4.26	5.38	4.16
2007	10.29	7.36	4.22	5.33	4.13
2008	10.33	7.41	4.27	5.42	4.20
2009	10.25	7.35	4.22	5.35	4.15
2010	10.33	7.41	4.26	5.40	4.18
2011	10.53	7.56	4.35	5.53	4.28
2012	10.74	7.71	4.44	5.64	4.37
2013	10.95	7.86	4.53	5.75	4.45
2014	11.12	7.98	4.60	5.84	4.52
2015	11.28	8.10	4.66	5.92	4.58
2016	11.45	8.22	4.73	6.01	4.65
2017	11.52	8.27	4.75	6.03	4.67
2018	11.75	8.44	4.86	6.18	4.78
2019	11.90	8.55	4.93	6.27	4.85
2020	12.05	8.65	5.00	6.36	4.92
2021	12.19	8.76	5.06	6.44	4.99
2022	12.37	8.89	5.15	6.56	5.08
2023	12.39	8.90	5.15	6.56	5.08
2024	12.39	8.90	5.15	6.56	5.08
2025	12.39	8.90	5.15	6.56	5.08
2026	12.39	8.90	5.15	6.56	5.08
2027	12.39	8.90	5.15	6.56	5.08
2028	12.39	8.90	5.15	6.56	5.08
2029	12.39	8.90	5.15	6.56	5.08
2030	12.39	8.90	5.15	6.56	5.08
2031	12.39	8.90	5.15	6.56	5.08
2032	12.39	8.90	5.15	6.56	5.08
2033	12.39	8.90	5.15	6.56	5.08
2034	12.39	8.90	5.15	6.56	5.08
2035	12.39	8.90	5.15	6.56	5.08

**Table B-16: Avoided Costs by Year for SCE Climate Zone 10**

Year	Electricity				
	SOP	SPP	SOFF	WPP	WOFF
2004	12.36	7.75	4.17	5.47	4.23
2005	12.31	7.73	4.17	5.49	4.25
2006	12.07	7.57	4.07	5.38	4.16
2007	11.93	7.49	4.02	5.33	4.13
2008	11.98	7.54	4.07	5.42	4.20
2009	11.91	7.48	4.02	5.35	4.15
2010	12.01	7.54	4.06	5.40	4.18
2011	12.21	7.69	4.15	5.53	4.28
2012	12.31	7.78	4.24	5.64	4.37
2013	12.40	7.87	4.31	5.75	4.45
2014	12.47	7.94	4.38	5.84	4.52
2015	12.53	8.00	4.44	5.92	4.58
2016	12.60	8.07	4.50	6.01	4.65
2017	12.57	8.07	4.52	6.03	4.67
2018	12.81	8.24	4.63	6.18	4.78
2019	12.96	8.35	4.70	6.27	4.85
2020	13.12	8.45	4.76	6.36	4.92
2021	13.27	8.56	4.83	6.44	4.99
2022	13.46	8.69	4.91	6.56	5.08
2023	13.48	8.70	4.91	6.56	5.08
2024	13.48	8.70	4.91	6.56	5.08
2025	13.48	8.70	4.91	6.56	5.08
2026	13.48	8.70	4.91	6.56	5.08
2027	13.48	8.70	4.91	6.56	5.08
2028	13.48	8.70	4.91	6.56	5.08
2029	13.48	8.70	4.91	6.56	5.08
2030	13.48	8.70	4.91	6.56	5.08
2031	13.48	8.70	4.91	6.56	5.08
2032	13.48	8.70	4.91	6.56	5.08
2033	13.48	8.70	4.91	6.56	5.08
2034	13.48	8.70	4.91	6.56	5.08
2035	13.48	8.70	4.91	6.56	5.08

**Table B-17: Avoided Costs by Year for SCE Climate Zone 13**

Year	Electricity				
	SOP	SPP	SOFF	WPP	WOFF
2004	12.38	6.45	4.44	5.47	4.23
2005	12.32	6.43	4.45	5.49	4.25
2006	12.09	6.26	4.35	5.38	4.16
2007	11.94	6.17	4.31	5.33	4.13
2008	12.00	6.21	4.36	5.42	4.20
2009	11.93	6.14	4.31	5.35	4.15
2010	12.02	6.20	4.35	5.40	4.18
2011	12.23	6.33	4.44	5.53	4.28
2012	12.39	6.46	4.53	5.64	4.37
2013	12.54	6.57	4.61	5.75	4.45
2014	12.67	6.67	4.67	5.84	4.52
2015	12.78	6.75	4.73	5.92	4.58
2016	12.90	6.85	4.80	6.01	4.65
2017	12.93	6.87	4.82	6.03	4.67
2018	13.17	7.03	4.93	6.18	4.78
2019	13.33	7.13	4.99	6.27	4.85
2020	13.48	7.23	5.06	6.36	4.92
2021	13.64	7.32	5.13	6.44	4.99
2022	13.83	7.44	5.22	6.56	5.08
2023	13.86	7.45	5.22	6.56	5.08
2024	13.86	7.45	5.22	6.56	5.08
2025	13.86	7.45	5.22	6.56	5.08
2026	13.86	7.45	5.22	6.56	5.08
2027	13.86	7.45	5.22	6.56	5.08
2028	13.86	7.45	5.22	6.56	5.08
2029	13.86	7.45	5.22	6.56	5.08
2030	13.86	7.45	5.22	6.56	5.08
2031	13.86	7.45	5.22	6.56	5.08
2032	13.86	7.45	5.22	6.56	5.08
2033	13.86	7.45	5.22	6.56	5.08
2034	13.86	7.45	5.22	6.56	5.08
2035	13.86	7.45	5.22	6.56	5.08



**Table B-18: Avoided Costs by Year for SCE Climate Zone 14**

Year	Electricity				
	SOP	SPP	SOFF	WPP	WOFF
2004	13.04	6.60	4.31	5.47	4.23
2005	13.00	6.58	4.31	5.49	4.25
2006	12.76	6.41	4.21	5.38	4.16
2007	12.63	6.32	4.17	5.33	4.13
2008	12.68	6.37	4.22	5.42	4.20
2009	12.62	6.30	4.17	5.35	4.15
2010	12.72	6.35	4.21	5.40	4.18
2011	12.93	6.49	4.30	5.53	4.28
2012	13.05	6.61	4.38	5.64	4.37
2013	13.16	6.71	4.46	5.75	4.45
2014	13.24	6.80	4.53	5.84	4.52
2015	13.32	6.89	4.58	5.92	4.58
2016	13.41	6.98	4.65	6.01	4.65
2017	13.40	7.00	4.66	6.03	4.67
2018	13.64	7.16	4.77	6.18	4.78
2019	13.80	7.25	4.84	6.27	4.85
2020	13.96	7.35	4.91	6.36	4.92
2021	14.12	7.45	4.97	6.44	4.99
2022	14.31	7.57	5.06	6.56	5.08
2023	14.34	7.58	5.06	6.56	5.08
2024	14.34	7.58	5.06	6.56	5.08
2025	14.34	7.58	5.06	6.56	5.08
2026	14.34	7.58	5.06	6.56	5.08
2027	14.34	7.58	5.06	6.56	5.08
2028	14.34	7.58	5.06	6.56	5.08
2029	14.34	7.58	5.06	6.56	5.08
2030	14.34	7.58	5.06	6.56	5.08
2031	14.34	7.58	5.06	6.56	5.08
2032	14.34	7.58	5.06	6.56	5.08
2033	14.34	7.58	5.06	6.56	5.08
2034	14.34	7.58	5.06	6.56	5.08
2035	14.34	7.58	5.06	6.56	5.08

**Table B-19: Avoided Costs by Year for SCE Climate Zone 15**

Year	Electricity				
	SOP	SPP	SOFF	WPP	WOFF
2004	13.33	6.52	4.32	5.47	4.23
2005	13.29	6.49	4.32	5.49	4.25
2006	13.06	6.33	4.22	5.38	4.16
2007	12.92	6.23	4.17	5.33	4.13
2008	12.98	6.28	4.23	5.42	4.20
2009	12.91	6.21	4.18	5.35	4.15
2010	13.01	6.26	4.21	5.40	4.18
2011	13.23	6.40	4.31	5.53	4.28
2012	13.32	6.52	4.39	5.64	4.37
2013	13.41	6.62	4.47	5.75	4.45
2014	13.47	6.71	4.53	5.84	4.52
2015	13.52	6.79	4.59	5.92	4.58
2016	13.58	6.88	4.65	6.01	4.65
2017	13.56	6.90	4.67	6.03	4.67
2018	13.80	7.06	4.78	6.18	4.78
2019	13.96	7.16	4.84	6.27	4.85
2020	14.12	7.26	4.91	6.36	4.92
2021	14.27	7.35	4.98	6.44	4.99
2022	14.47	7.48	5.06	6.56	5.08
2023	14.50	7.48	5.06	6.56	5.08
2024	14.50	7.48	5.06	6.56	5.08
2025	14.50	7.48	5.06	6.56	5.08
2026	14.50	7.48	5.06	6.56	5.08
2027	14.50	7.48	5.06	6.56	5.08
2028	14.50	7.48	5.06	6.56	5.08
2029	14.50	7.48	5.06	6.56	5.08
2030	14.50	7.48	5.06	6.56	5.08
2031	14.50	7.48	5.06	6.56	5.08
2032	14.50	7.48	5.06	6.56	5.08
2033	14.50	7.48	5.06	6.56	5.08
2034	14.50	7.48	5.06	6.56	5.08
2035	14.50	7.48	5.06	6.56	5.08

**Table B-20: Avoided Costs by Year for SCE Climate Zone 16**

Year	Electricity				
	SOP	SPP	SOFF	WPP	WOFF
2004	12.19	7.44	4.56	5.47	4.23
2005	12.14	7.41	4.57	5.49	4.25
2006	11.90	7.26	4.47	5.38	4.16
2007	11.76	7.17	4.43	5.33	4.13
2008	11.81	7.22	4.48	5.42	4.20
2009	11.74	7.16	4.43	5.35	4.15
2010	11.83	7.22	4.47	5.40	4.18
2011	12.04	7.36	4.57	5.53	4.28
2012	12.23	7.49	4.66	5.64	4.37
2013	12.41	7.62	4.74	5.75	4.45
2014	12.56	7.72	4.81	5.84	4.52
2015	12.71	7.82	4.87	5.92	4.58
2016	12.86	7.92	4.94	6.01	4.65
2017	12.92	7.95	4.96	6.03	4.67
2018	13.16	8.12	5.07	6.18	4.78
2019	13.31	8.23	5.14	6.27	4.85
2020	13.47	8.33	5.21	6.36	4.92
2021	13.62	8.43	5.28	6.44	4.99
2022	13.81	8.56	5.37	6.56	5.08
2023	13.84	8.57	5.37	6.56	5.08
2024	13.84	8.57	5.37	6.56	5.08
2025	13.84	8.57	5.37	6.56	5.08
2026	13.84	8.57	5.37	6.56	5.08
2027	13.84	8.57	5.37	6.56	5.08
2028	13.84	8.57	5.37	6.56	5.08
2029	13.84	8.57	5.37	6.56	5.08
2030	13.84	8.57	5.37	6.56	5.08
2031	13.84	8.57	5.37	6.56	5.08
2032	13.84	8.57	5.37	6.56	5.08
2033	13.84	8.57	5.37	6.56	5.08
2034	13.84	8.57	5.37	6.56	5.08
2035	13.84	8.57	5.37	6.56	5.08

**Table B-21: Avoided Costs by Year for SoCalGas**

Year	Gas				
	SOP	SPP	SOFF	WPP	WOFF
2004	4.70	4.70	4.70	6.59	6.59
2005	4.38	4.38	4.38	6.12	6.12
2006	4.31	4.31	4.31	5.98	5.98
2007	4.22	4.22	4.22	5.79	5.79
2008	4.17	4.17	4.17	5.66	5.66
2009	4.10	4.10	4.10	5.57	5.57
2010	4.17	4.17	4.17	5.64	5.64
2011	4.32	4.32	4.32	5.80	5.80
2012	4.47	4.47	4.47	5.95	5.95
2013	4.59	4.59	4.59	6.10	6.10
2014	4.70	4.70	4.70	6.21	6.21
2015	4.80	4.80	4.80	6.32	6.32
2016	4.92	4.92	4.92	6.44	6.44
2017	4.95	4.95	4.95	6.47	6.47
2018	5.13	5.13	5.13	6.66	6.66
2019	5.24	5.24	5.24	6.78	6.78
2020	5.35	5.35	5.35	6.89	6.89
2021	5.46	5.46	5.46	7.01	7.01
2022	5.60	5.60	5.60	7.15	7.15
2023	5.61	5.61	5.61	7.16	7.16
2024	5.61	5.61	5.61	7.16	7.16
2025	5.61	5.61	5.61	7.16	7.16
2026	5.61	5.61	5.61	7.16	7.16
2027	5.61	5.61	5.61	7.16	7.16
2028	5.61	5.61	5.61	7.16	7.16
2029	5.61	5.61	5.61	7.16	7.16
2030	5.61	5.61	5.61	7.16	7.16
2031	5.61	5.61	5.61	7.16	7.16
2032	5.61	5.61	5.61	7.16	7.16
2033	5.61	5.61	5.61	7.16	7.16
2034	5.61	5.61	5.61	7.16	7.16
2035	5.61	5.61	5.61	7.16	7.16

**Table B-22: Avoided Costs by Year for SDG&E Climate Zone 7**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	11.52	10.47	4.96	5.46	4.22	4.69	4.69	4.69	7.23	7.23
2005	11.46	10.45	4.96	5.48	4.24	4.36	4.36	4.36	6.76	6.76
2006	11.20	10.30	4.87	5.37	4.15	4.29	4.29	4.29	6.63	6.63
2007	11.05	10.21	4.83	5.33	4.12	4.21	4.21	4.21	6.45	6.45
2008	11.06	10.26	4.87	5.40	4.18	4.15	4.15	4.15	6.32	6.32
2009	10.98	10.20	4.82	5.34	4.12	4.09	4.09	4.09	6.24	6.24
2010	11.05	10.27	4.86	5.38	4.16	4.15	4.15	4.15	6.31	6.31
2011	11.24	10.41	4.96	5.51	4.26	4.31	4.31	4.31	6.48	6.48
2012	11.42	10.55	5.04	5.62	4.35	4.45	4.45	4.45	6.63	6.63
2013	11.58	10.68	5.12	5.73	4.43	4.57	4.57	4.57	6.78	6.78
2014	11.72	10.78	5.19	5.82	4.50	4.69	4.69	4.69	6.91	6.91
2015	11.84	10.88	5.25	5.90	4.56	4.79	4.79	4.79	7.02	7.02
2016	11.98	10.99	5.32	5.99	4.63	4.90	4.90	4.90	7.14	7.14
2017	12.02	11.03	5.34	6.01	4.65	4.93	4.93	4.93	7.18	7.18
2018	12.24	11.20	5.45	6.16	4.76	5.11	5.11	5.11	7.37	7.37
2019	12.38	11.31	5.52	6.25	4.83	5.22	5.22	5.22	7.50	7.50
2020	12.52	11.42	5.59	6.34	4.90	5.33	5.33	5.33	7.62	7.62
2021	12.65	11.53	5.66	6.42	4.96	5.44	5.44	5.44	7.74	7.74
2022	12.83	11.66	5.74	6.53	5.05	5.58	5.58	5.58	7.89	7.89
2023	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2024	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2025	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2026	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2027	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2028	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2029	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2030	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2031	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2032	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2033	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2034	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2035	12.84	11.68	5.75	6.53	5.05	5.59	5.59	5.59	7.90	7.90

**Table B-23: Avoided Costs by Year for SDG&E Climate Zone 10**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	15.76	9.17	4.19	5.46	4.22	4.69	4.69	4.69	7.23	7.23
2005	15.70	9.15	4.19	5.48	4.24	4.36	4.36	4.36	6.76	6.76
2006	15.46	9.00	4.10	5.37	4.15	4.29	4.29	4.29	6.63	6.63
2007	15.32	8.91	4.05	5.33	4.12	4.21	4.21	4.21	6.45	6.45
2008	15.35	8.95	4.09	5.40	4.18	4.15	4.15	4.15	6.32	6.32
2009	15.28	8.89	4.04	5.34	4.12	4.09	4.09	4.09	6.24	6.24
2010	15.37	8.95	4.08	5.38	4.16	4.15	4.15	4.15	6.31	6.31
2011	15.57	9.09	4.17	5.51	4.26	4.31	4.31	4.31	6.48	6.48
2012	15.76	9.22	4.25	5.62	4.35	4.45	4.45	4.45	6.63	6.63
2013	15.94	9.35	4.33	5.73	4.43	4.57	4.57	4.57	6.78	6.78
2014	16.09	9.45	4.40	5.82	4.50	4.69	4.69	4.69	6.91	6.91
2015	16.23	9.55	4.46	5.90	4.56	4.79	4.79	4.79	7.02	7.02
2016	16.38	9.65	4.52	5.99	4.63	4.90	4.90	4.90	7.14	7.14
2017	16.44	9.69	4.54	6.01	4.65	4.93	4.93	4.93	7.18	7.18
2018	16.67	9.85	4.65	6.16	4.76	5.11	5.11	5.11	7.37	7.37
2019	16.82	9.96	4.71	6.25	4.83	5.22	5.22	5.22	7.50	7.50
2020	16.97	10.06	4.78	6.34	4.90	5.33	5.33	5.33	7.62	7.62
2021	17.12	10.16	4.84	6.42	4.96	5.44	5.44	5.44	7.74	7.74
2022	17.31	10.29	4.93	6.53	5.05	5.58	5.58	5.58	7.89	7.89
2023	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2024	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2025	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2026	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2027	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2028	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2029	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2030	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2031	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2032	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2033	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2034	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2035	17.33	10.30	4.93	6.53	5.05	5.59	5.59	5.59	7.90	7.90

**Table B-24: Avoided Costs by Year for SDG&E Climate Zone 14**

Year	Electricity					Gas				
	SOP	SPP	SOFF	WPP	WOFF	SOP	SPP	SOFF	WPP	WOFF
2004	17.23	7.09	4.46	5.46	4.22	4.69	4.69	4.69	7.23	7.23
2005	17.18	7.07	4.46	5.48	4.24	4.36	4.36	4.36	6.76	6.76
2006	16.94	6.90	4.37	5.37	4.15	4.29	4.29	4.29	6.63	6.63
2007	16.80	6.81	4.32	5.33	4.12	4.21	4.21	4.21	6.45	6.45
2008	16.84	6.84	4.36	5.40	4.18	4.15	4.15	4.15	6.32	6.32
2009	16.77	6.77	4.32	5.34	4.12	4.09	4.09	4.09	6.24	6.24
2010	16.87	6.83	4.35	5.38	4.16	4.15	4.15	4.15	6.31	6.31
2011	17.07	6.96	4.44	5.51	4.26	4.31	4.31	4.31	6.48	6.48
2012	17.26	7.09	4.53	5.62	4.35	4.45	4.45	4.45	6.63	6.63
2013	17.45	7.21	4.61	5.73	4.43	4.57	4.57	4.57	6.78	6.78
2014	17.60	7.30	4.68	5.82	4.50	4.69	4.69	4.69	6.91	6.91
2015	17.75	7.39	4.74	5.90	4.56	4.79	4.79	4.79	7.02	7.02
2016	17.90	7.49	4.80	5.99	4.63	4.90	4.90	4.90	7.14	7.14
2017	17.97	7.52	4.82	6.01	4.65	4.93	4.93	4.93	7.18	7.18
2018	18.20	7.68	4.93	6.16	4.76	5.11	5.11	5.11	7.37	7.37
2019	18.36	7.78	5.00	6.25	4.83	5.22	5.22	5.22	7.50	7.50
2020	18.52	7.87	5.06	6.34	4.90	5.33	5.33	5.33	7.62	7.62
2021	18.67	7.97	5.13	6.42	4.96	5.44	5.44	5.44	7.74	7.74
2022	18.86	8.09	5.21	6.53	5.05	5.58	5.58	5.58	7.89	7.89
2023	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2024	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2025	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2026	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2027	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2028	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2029	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2030	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2031	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2032	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2033	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2034	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90
2035	18.89	8.10	5.22	6.53	5.05	5.59	5.59	5.59	7.90	7.90

# ***Appendix C***

## **ASSET Model Inputs for Existing Residential Buildings**

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The data included in this Appendix are also available in MS Excel format on DVD by request.<sup>1</sup>

### **C.1 Awareness, Willingness, and Feasibility Parameters**

The analysis used the following awareness and willingness rates in 2004: If rate was less than 100% in 2004, the rate of growth was 2% per year. If the rate is listed at “1C,” the measure’s awareness and willingness is assumed to be constant at 100%. The awareness, willingness, and feasibility parameters are constant across climate zone within a utility.

Awareness is defined such that the percent aware is the share of decision makers within the feasible market who have been exposed to a technology and have formed an opinion about the operating characteristics of that option. Willingness is the fraction of the aware market that accepts the technology as being valid and useful. The awareness and willingness percentages were determined using professional judgment. The feasibility percentage gives the share of the applicable market for which an individual measure is feasible given limitations on size, space, required level of service, and other configuration issues. The fraction effectively divides the applicable market into a segment where the measure is feasible and a segment where it is not. The feasibility percentages were derived using professional judgment.

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<sup>1</sup> Please contact Angela Nenn via email to request a copy of the DVD. [Angela.Nenn@Itron.com](mailto:Angela.Nenn@Itron.com)



PG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_EXIT_LEDE	EXIT	1	0.572	0.936	1
MF	ALL	R_Occ_Sens	OCCSENS	1	0.572	0.936	1
MF	ALL	R_Photo	PHOTOC	1	0.572	0.936	1
SF	ALL	R_AINSL	RAINSL	1	1	1	1
MF	ALL	R_AINSL	RAINSL	1	1	1	1
SF	ALL	R_AINSL_E	RAINSLE	1	1	1	1
MF	ALL	R_AINSL_E	RAINSLE	1	1	1	1
SF	ALL	R_CAC-10	RCAC	1	1 C	1 C	1
SF	ALL	R_CAC_13	RCAC	2	0.832	0.832	1
SF	ALL	R_CAC_14	RCAC	3	0.832	0.832	1
SF	ALL	R_CAC_15	RCAC	4	0.832	0.832	1
MH	ALL	R_CAC-10	RCAC	1	1 C	1 C	1
MH	ALL	R_CAC_13	RCAC	2	0.832	0.832	1
MH	ALL	R_CAC_14	RCAC	3	0.832	0.832	1
MH	ALL	R_CAC_15	RCAC	4	0.832	0.832	1
MF	ALL	R_CAC-10	RCAC	1	1 C	1 C	1
MF	ALL	R_CAC_13	RCAC	2	0.832	0.832	1
MF	ALL	R_CAC_14	RCAC	3	0.832	0.832	1
MF	ALL	R_CAC_15	RCAC	4	0.832	0.832	1
SF	ALL	R_CAC_14_1	RCAC1	1	0.832	0.832	1
MH	ALL	R_CAC_14_1	RCAC1	1	0.832	0.832	1
MF	ALL	R_CAC_14_1	RCAC1	1	0.832	0.832	1
SF	ALL	R_CW_1.04	RCW_E	1	1 C	1 C	1
SF	ALL	R_CW_1.42	RCW_E	2	0.76	0.832	1
SF	ALL	R_CW_1.60	RCW_E	3	0.76	0.832	1
MH	ALL	R_CW_1.04	RCW_E	1	1 C	1 C	1
MH	ALL	R_CW_1.42	RCW_E	2	0.76	0.832	1
MH	ALL	R_CW_1.60	RCW_E	3	0.76	0.832	1
MF	ALL	R_CW_1.04	RCW_E	1	1 C	1 C	1
MF	ALL	R_CW_1.42	RCW_E	2	0.76	0.832	1
MF	ALL	R_CW_1.60	RCW_E	3	0.76	0.832	1
SF	ALL	R_CW_1.04_G	RCW_G	1	1 C	1 C	1
SF	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1
SF	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1
MH	ALL	R_CW_1.04_G	RCW_G	1	1 C	1 C	1

PG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MH	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1
MH	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1
MF	ALL	R_CW_1.04_G	RCW_G	1	1 C	1 C	1
MF	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1
MF	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1
SF	ALL	R_HVAC_DI	RDIAG	1	1	1	1
MH	ALL	R_HVAC_DI	RDIAG	1	1	1	1
MF	ALL	R_HVAC_DI	RDIAG	1	1	1	1
SF	ALL	R_CD_Base	RDRY_E	1	1 C	1 C	1
SF	ALL	R_CD_EF	RDRY_E	2	0.76	0.832	1
MH	ALL	R_CD_Base	RDRY_E	1	1 C	1 C	1
MH	ALL	R_CD_EF	RDRY_E	2	0.76	0.832	1
MF	ALL	R_CD_Base	RDRY_E	1	1 C	1 C	1
MF	ALL	R_CD_EF	RDRY_E	2	0.76	0.832	1
SF	ALL	R_CD_Base_G	RDRY_G	1	1 C	1 C	1
SF	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
MH	ALL	R_CD_Base_G	RDRY_G	1	1 C	1 C	1
MH	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
MF	ALL	R_CD_Base_G	RDRY_G	1	1 C	1 C	1
MF	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
SF	ALL	R_DUCTR	RDUCT	1	1	1	0.6
MH	ALL	R_DUCTR	RDUCT	1	1	1	0.6
MF	ALL	R_DUCTR	RDUCT	1	1	1	0.6
SF	ALL	R_DUCTR_E	RDUCTE	1	1	1	0.6
MH	ALL	R_DUCTR_E	RDUCTE	1	1	1	0.6
MF	ALL	R_DUCTR_E	RDUCTE	1	1	1	0.6
SF	ALL	R_DW_0.46	RDW_E	1	1 C	1 C	1
SF	ALL	R_DW_0.58	RDW_E	2	0.926	0.936	1
MH	ALL	R_DW_0.46	RDW_E	1	1 C	1 C	1
MH	ALL	R_DW_0.58	RDW_E	2	0.926	0.936	1
MF	ALL	R_DW_0.46	RDW_E	1	1 C	1 C	1
MF	ALL	R_DW_0.58	RDW_E	2	0.926	0.936	1
SF	ALL	R_DW_0.46_G	RDW_G	1	1 C	1 C	1
SF	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
MH	ALL	R_DW_0.46_G	RDW_G	1	1 C	1 C	1

PG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MH	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
MF	ALL	R_DW_0.46_G	RDW_G	1	1 C	1 C	1
MF	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
SF	ALL	R_EVAP	REVAP	1	0.624	0.624	0.4
MH	ALL	R_EVAP	REVAP	1	0.624	0.624	0.9
MF	ALL	R_EVAP	REVAP	1	0.624	0.624	0.15
SF	ALL	R_WH_FA	RFA	1	1 C	1 C	0.95
MH	ALL	R_WH_FA	RFA	1	1 C	1 C	0.95
MF	ALL	R_WH_FA	RFA	1	1 C	1 C	0.95
SF	ALL	R_WFAN	RFAN	1	0.541	0.728	0.8
MH	ALL	R_WFAN	RFAN	1	0.541	0.728	0
MF	ALL	R_WFAN	RFAN	1	0.541	0.728	0.2
SF	ALL	R_WH_FA_G	RFA_G	1	1 C	1 C	0.95
MH	ALL	R_WH_FA_G	RFA_G	1	1 C	1 C	0.95
MF	ALL	R_WH_FA_G	RFA_G	1	1 C	1 C	0.95
SF	ALL	R_Frz_Recy	RFRCY	1	0.649	0.865	1
MH	ALL	R_Frz_Recy	RFRCY	1	0.649	0.865	1
MF	ALL	R_Frz_Recy	RFRCY	1	0.649	0.865	1
SF	ALL	R_GFURN_80	RGASF	1	1 C	1 C	1
SF	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
SF	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1
MH	ALL	R_GFURN_80	RGASF	1	1 C	1 C	1
MH	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
MH	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1
MF	ALL	R_GFURN_80	RGASF	1	1 C	1 C	1
MF	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
MF	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1
SF	ALL	R_HP_10	RHP	1	1 C	1 C	1
SF	ALL	R_HP_13	RHP	2	0.832	0.832	1
SF	ALL	R_HP_14	RHP	3	0.832	0.832	1
MH	ALL	R_HP_10	RHP	1	1 C	1 C	1
MH	ALL	R_HP_13	RHP	2	0.832	0.832	1
MH	ALL	R_HP_14	RHP	3	0.832	0.832	1
MF	ALL	R_HP_10	RHP	1	1 C	1 C	1
MF	ALL	R_HP_13	RHP	2	0.832	0.832	1

PG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_HP_14	RHP	3	0.832	0.832	1
SF	ALL	R_INFL	RINFL	1	1	1	1
MH	ALL	R_INFL	RINFL	1	1	1	1
MF	ALL	R_INFL	RINFL	1	1	1	1
SF	ALL	R_INFL_E	RINFLE	1	1	1	1
MH	ALL	R_INFL_E	RINFLE	1	1	1	1
MF	ALL	R_INFL_E	RINFLE	1	1	1	1
SF	ALL	R_INC_100W	RLGT_100	1	1 C	1 C	1
SF	ALL	R_CFL_23-26W	RLGT_100	2	0.853	0.812	0.85
SF	ALL	R_CFL_23-26W_H	RLGT_100	3	0.6824	0.406	0.17
MH	ALL	R_INC_100W	RLGT_100	1	1 C	1 C	1
MH	ALL	R_CFL_23-26W	RLGT_100	2	0.853	0.812	0.85
MH	ALL	R_CFL_23-26W_H	RLGT_100	3	0.6824	0.406	0.17
MF	ALL	R_INC_100W	RLGT_100	1	1 C	1 C	1
MF	ALL	R_CFL_23-26W	RLGT_100	2	0.853	0.812	0.85
MF	ALL	R_CFL_23-26W_H	RLGT_100	3	0.6824	0.406	0.17
SF	ALL	R_INC_150W	RLGT_150	1	1 C	1 C	1
SF	ALL	R_CFL_26-50W	RLGT_150	2	0.853	0.812	0.85
SF	ALL	R_CFL_26-50W_H	RLGT_150	3	0.853	0.812	0.425
MH	ALL	R_INC_150W	RLGT_150	1	1 C	1 C	1
MH	ALL	R_CFL_26-50W	RLGT_150	2	0.853	0.812	0.85
MH	ALL	R_CFL_26-50W_H	RLGT_150	3	0.853	0.812	0.425
MF	ALL	R_INC_150W	RLGT_150	1	1 C	1 C	1
MF	ALL	R_CFL_26-50W	RLGT_150	2	0.853	0.812	0.85
MF	ALL	R_CFL_26-50W_H	RLGT_150	3	0.853	0.812	0.425
SF	ALL	R_INC_40W	RLGT_40	1	1 C	1 C	1
SF	ALL	R_CFL_9-12W	RLGT_40	2	0.853	0.812	0.67
MH	ALL	R_INC_40W	RLGT_40	1	1 C	1 C	1
MH	ALL	R_CFL_9-12W	RLGT_40	2	0.853	0.812	0.67
MF	ALL	R_INC_40W	RLGT_40	1	1 C	1 C	1
MF	ALL	R_CFL_9-12W	RLGT_40	2	0.853	0.812	0.67
SF	ALL	R_INC_60W	RLGT_60	1	1 C	1 C	1
SF	ALL	R_CFL_13-17W	RLGT_60	2	0.853	0.812	0.67
MH	ALL	R_INC_60W	RLGT_60	1	1 C	1 C	1
MH	ALL	R_CFL_13-17W	RLGT_60	2	0.853	0.812	0.67

PG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_INC_60W	RLGT_60	1	1 C	1 C	1
MF	ALL	R_CFL_13-17W	RLGT_60	2	0.853	0.812	0.67
SF	ALL	R_INC_75W	RLGT_75	1	1 C	1 C	1
SF	ALL	R_CFL_18-22W	RLGT_75	2	0.853	0.812	0.9
SF	ALL	R_CFL_18-22W_H	RLGT_75	3	0.6824	0.406	0.18
MH	ALL	R_INC_75W	RLGT_75	1	1 C	1 C	1
MH	ALL	R_CFL_18-22W	RLGT_75	2	0.853	0.812	0.9
MH	ALL	R_CFL_18-22W_H	RLGT_75	3	0.6824	0.406	0.18
MF	ALL	R_INC_75W	RLGT_75	1	1 C	1 C	1
MF	ALL	R_CFL_18-22W	RLGT_75	2	0.853	0.812	0.9
MF	ALL	R_CFL_18-22W_H	RLGT_75	3	0.6824	0.406	0.18
SF	ALL	R_INC_R30	RLGT_R30	1	1 C	1 C	1
SF	ALL	R_CFL_R30	RLGT_R30	2	0.853	0.812	0.7
MH	ALL	R_INC_R30	RLGT_R30	1	1 C	1 C	1
MH	ALL	R_CFL_R30	RLGT_R30	2	0.853	0.812	0.7
MF	ALL	R_INC_R30	RLGT_R30	1	1 C	1 C	1
MF	ALL	R_CFL_R30	RLGT_R30	2	0.853	0.812	0.7
SF	ALL	R_INC_R40	RLGT_R40	1	1 C	1 C	1
SF	ALL	R_CFL_R40	RLGT_R40	2	0.853	0.812	0.7
MH	ALL	R_INC_R40	RLGT_R40	1	1 C	1 C	1
MH	ALL	R_CFL_R40	RLGT_R40	2	0.853	0.812	0.7
MF	ALL	R_INC_R40	RLGT_R40	1	1 C	1 C	1
MF	ALL	R_CFL_R40	RLGT_R40	2	0.853	0.812	0.7
SF	ALL	R_TORCH_HAL	RLGT_TOR1	1	1 C	1 C	1
SF	ALL	R_TORCH_CFL	RLGT_TOR1	2	1 C	1 C	1
MH	ALL	R_TORCH_HAL	RLGT_TOR1	1	1 C	1 C	1
MH	ALL	R_TORCH_CFL	RLGT_TOR1	2	1 C	1 C	1
MF	ALL	R_TORCH_HAL	RLGT_TOR1	1	1 C	1 C	1
MF	ALL	R_TORCH_CFL	RLGT_TOR1	2	1 C	1 C	1
SF	ALL	R_TORCH_INC	RLGT_TOR2	1	1 C	1 C	1
SF	ALL	R_TORCH_CFL2	RLGT_TOR2	2	1 C	1 C	1
MH	ALL	R_TORCH_INC	RLGT_TOR2	1	1 C	1 C	1
MH	ALL	R_TORCH_CFL2	RLGT_TOR2	2	1 C	1 C	1
MF	ALL	R_TORCH_INC	RLGT_TOR2	1	1 C	1 C	1
MF	ALL	R_TORCH_CFL2	RLGT_TOR2	2	1 C	1 C	1

PG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SF	ALL	R_WH_PW	RPW	1	1 C	1 C	0.75
MH	ALL	R_WH_PW	RPW	1	1 C	1 C	0.75
MF	ALL	R_WH_PW	RPW	1	1 C	1 C	0.75
SF	ALL	R_WH_PW_G	RPW_G	1	1 C	1 C	0.75
MH	ALL	R_WH_PW_G	RPW_G	1	1 C	1 C	0.75
MF	ALL	R_WH_PW_G	RPW_G	1	1 C	1 C	0.75
SF	ALL	R_RAC_Base	RRAC	1	1 C	1 C	1
SF	ALL	R_RAC_ES	RRAC	2	0.791	0.832	1
MH	ALL	R_RAC_Base	RRAC	1	1 C	1 C	1
MH	ALL	R_RAC_ES	RRAC	2	0.791	0.832	1
MF	ALL	R_RAC_Base	RRAC	1	1 C	1 C	1
MF	ALL	R_RAC_ES	RRAC	2	0.791	0.832	1
SF	ALL	R_RAC_ES_1	RRAC1	1	0.791	0.832	1
MH	ALL	R_RAC_ES_1	RRAC1	1	0.791	0.832	1
MF	ALL	R_RAC_ES_1	RRAC1	1	0.791	0.832	1
SF	ALL	R_REF	RREF	1	1 C	1 C	1
SF	ALL	R_REF_ES	RREF	2	0.656	0.832	1
MH	ALL	R_REF	RREF	1	1 C	1 C	1
MH	ALL	R_REF_ES	RREF	2	0.656	0.832	1
MF	ALL	R_REF	RREF	1	1 C	1 C	1
MF	ALL	R_REF_ES	RREF	2	0.656	0.832	1
SF	ALL	R_REF_ES_1	RREF1	1	0.656	0.832	1
MH	ALL	R_REF_ES_1	RREF1	1	0.656	0.832	1
MF	ALL	R_REF_ES_1	RREF1	1	0.656	0.832	1
SF	ALL	R_Ref_Recy	RRCY	1	0.649	0.865	1
MH	ALL	R_Ref_Recy	RRCY	1	0.649	0.865	1
MF	ALL	R_Ref_Recy	RRCY	1	0.649	0.865	1
SF	ALL	R_WH_Shv	RSHW	1	1 C	1 C	0.95
MH	ALL	R_WH_Shv	RSHW	1	1 C	1 C	0.95
MF	ALL	R_WH_Shv	RSHW	1	1 C	1 C	0.95
SF	ALL	R_WH_Shv_G	RSHW_G	1	1 C	1 C	0.95
MH	ALL	R_WH_Shv_G	RSHW_G	1	1 C	1 C	0.95
MF	ALL	R_WH_Shv_G	RSHW_G	1	1 C	1 C	0.95
SF	ALL	R_WH_0.88	RWH	1	1 C	1 C	1
SF	ALL	R_WH_0.93	RWH	2	0.572	0.936	1

PG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SF	ALL	R_WH_POU	RWH	3	0.572	0.936	0.25
MH	ALL	R_WH_0.88	RWH	1	1 C	1 C	1
MH	ALL	R_WH_0.93	RWH	2	0.572	0.936	1
MH	ALL	R_WH_POU	RWH	3	0.572	0.936	0.25
MF	ALL	R_WH_0.88	RWH	1	1 C	1 C	1
MF	ALL	R_WH_0.93	RWH	2	0.572	0.936	1
MF	ALL	R_WH_POU	RWH	3	0.572	0.936	0.25
MF	ALL	R_WH_BC_G	RWHBC	1	0.4 C	0.4 C	1
SF	ALL	R_WH_WHW	RWHW	1	1 C	1 C	0.75
MH	ALL	R_WH_WHW	RWHW	1	1 C	1 C	0.75
MF	ALL	R_WH_WHW	RWHW	1	1 C	1 C	0.75
SF	ALL	R_WH_WHW_G	RWHW_G	1	1 C	1 C	0.75
MH	ALL	R_WH_WHW_G	RWHW_G	1	1 C	1 C	0.75
MF	ALL	R_WH_WHW_G	RWHW_G	1	1 C	1 C	0.75
SF	ALL	R_WH_0.6_G	RWH_G	1	1 C	1 C	1
SF	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
SF	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25
MH	ALL	R_WH_0.6_G	RWH_G	1	1 C	1 C	1
MH	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
MH	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25
MF	ALL	R_WH_0.6_G	RWH_G	1	1 C	1 C	1
MF	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
MF	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25
SF	ALL	R_Wind1	RWIND	1	1 C	1 C	1
SF	ALL	R_WIND	RWIND	2	1	1	1
MF	ALL	R_Wind1	RWIND	1	1 C	1 C	1
MF	ALL	R_WIND	RWIND	2	1	1	1
SF	ALL	R_WINSL	RWINSL	1	1	1	1
MF	ALL	R_WINSL	RWINSL	1	1	1	1
SF	ALL	R_WINSL_E	RWINSLE	1	1	1	1
MF	ALL	R_WINSL_E	RWINSLE	1	1	1	1
SF	ALL	R_PP_Base	R_POOL	1	1 C	1 C	1
SF	ALL	R_PP_OneSpd	R_POOL	2	0.75 C	0.85 C	1
SF	ALL	R_PP_TwoSpd	R_POOL	3	0.75 C	0.85 C	1

SCE  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_EXIT_LEDE	EXIT	1	0.572	0.936	1
MF	ALL	R_Occ_Sens	OCCSENS	1	0.572	0.936	1
MF	ALL	R_Photo	PHOTOC	1	0.572	0.936	1
SF	ALL	R_AINSL_E	RAINSLE	1	1	1	1
MF	ALL	R_AINSL_E	RAINSLE	1	1	1	1
SF	ALL	R_CAC-10	RCAC	1	1 C	1 C	1
SF	ALL	R_CAC_13	RCAC	2	0.832	0.832	1
SF	ALL	R_CAC_14	RCAC	3	0.832	0.832	1
SF	ALL	R_CAC_15	RCAC	4	0.832	0.832	1
MH	ALL	R_CAC-10	RCAC	1	1 C	1 C	1
MH	ALL	R_CAC_13	RCAC	2	0.832	0.832	1
MH	ALL	R_CAC_14	RCAC	3	0.832	0.832	1
MH	ALL	R_CAC_15	RCAC	4	0.832	0.832	1
MF	ALL	R_CAC-10	RCAC	1	1 C	1 C	1
MF	ALL	R_CAC_13	RCAC	2	0.832	0.832	1
MF	ALL	R_CAC_14	RCAC	3	0.832	0.832	1
MF	ALL	R_CAC_15	RCAC	4	0.832	0.832	1
SF	ALL	R_CAC_14_1	RCAC1	1	0.832	0.832	1
MH	ALL	R_CAC_14_1	RCAC1	1	0.832	0.832	1
MF	ALL	R_CAC_14_1	RCAC1	1	0.832	0.832	1
SF	ALL	R_CW_1.04	RCW_E	1	1 C	1 C	1
SF	ALL	R_CW_1.42	RCW_E	2	0.76	0.832	1
SF	ALL	R_CW_1.60	RCW_E	3	0.76	0.832	1
MH	ALL	R_CW_1.04	RCW_E	1	1 C	1 C	1
MH	ALL	R_CW_1.42	RCW_E	2	0.76	0.832	1
MH	ALL	R_CW_1.60	RCW_E	3	0.76	0.832	1
MF	ALL	R_CW_1.04	RCW_E	1	1 C	1 C	1
MF	ALL	R_CW_1.42	RCW_E	2	0.76	0.832	1
MF	ALL	R_CW_1.60	RCW_E	3	0.76	0.832	1
SF	ALL	R_CW_1.04_G	RCW_G	1	1 C	1 C	1
SF	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1
SF	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1
MH	ALL	R_CW_1.04_G	RCW_G	1	1 C	1 C	1
MH	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1
MH	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1



SCE  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_CW_1.04_G	RCW_G	1	1 C	1 C	1
MF	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1
MF	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1
SF	ALL	R_HVAC_DI	RDIAG	1	1	1	1
MH	ALL	R_HVAC_DI	RDIAG	1	1	1	1
MF	ALL	R_HVAC_DI	RDIAG	1	1	1	1
SF	ALL	R_CD_Base	RDRY_E	1	1 C	1 C	1
SF	ALL	R_CD_EF	RDRY_E	2	0.76	0.832	1
MH	ALL	R_CD_Base	RDRY_E	1	1 C	1 C	1
MH	ALL	R_CD_EF	RDRY_E	2	0.76	0.832	1
MF	ALL	R_CD_Base	RDRY_E	1	1 C	1 C	1
MF	ALL	R_CD_EF	RDRY_E	2	0.76	0.832	1
SF	ALL	R_CD_Base_G	RDRY_G	1	1 C	1 C	1
SF	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
MH	ALL	R_CD_Base_G	RDRY_G	1	1 C	1 C	1
MH	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
MF	ALL	R_CD_Base_G	RDRY_G	1	1 C	1 C	1
MF	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
SF	ALL	R_DUCTR_E	RDUCTE	1	1	1	0.6
MH	ALL	R_DUCTR_E	RDUCTE	1	1	1	0.6
MF	ALL	R_DUCTR_E	RDUCTE	1	1	1	0.6
SF	ALL	R_DW_0.46	RDW_E	1	1 C	1 C	1
SF	ALL	R_DW_0.58	RDW_E	2	0.926	0.936	1
MH	ALL	R_DW_0.46	RDW_E	1	1 C	1 C	1
MH	ALL	R_DW_0.58	RDW_E	2	0.926	0.936	1
MF	ALL	R_DW_0.46	RDW_E	1	1 C	1 C	1
MF	ALL	R_DW_0.58	RDW_E	2	0.926	0.936	1
SF	ALL	R_DW_0.46_G	RDW_G	1	1 C	1 C	1
SF	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
MH	ALL	R_DW_0.46_G	RDW_G	1	1 C	1 C	1
MH	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
MF	ALL	R_DW_0.46_G	RDW_G	1	1 C	1 C	1
MF	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
SF	ALL	R_EVAP	REVAP	1	0.832	0.832	0.4
MH	ALL	R_EVAP	REVAP	1	0.832	0.832	0.9

SCE  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_EVAP	REVAP	1	0.832	0.832	0.15
SF	ALL	R_WH_FA	RFA	1 1 C		1 C	0.95
MH	ALL	R_WH_FA	RFA	1 1 C		1 C	0.95
MF	ALL	R_WH_FA	RFA	1 1 C		1 C	0.95
SF	ALL	R_WFAN	RFAN	1	0.541	0.728	0.8
MH	ALL	R_WFAN	RFAN	1	0.541	0.728	0
MF	ALL	R_WFAN	RFAN	1	0.541	0.728	0.2
SF	ALL	R_WH_FA_G	RFA_G	1 1 C		1 C	0.95
MH	ALL	R_WH_FA_G	RFA_G	1 1 C		1 C	0.95
MF	ALL	R_WH_FA_G	RFA_G	1 1 C		1 C	0.95
SF	ALL	R_Frz_Recy	RFRCY	1	0.649	0.865	1
MH	ALL	R_Frz_Recy	RFRCY	1	0.649	0.865	1
MF	ALL	R_Frz_Recy	RFRCY	1	0.649	0.865	1
SF	ALL	R_GFURN_80	RGASF	1 1 C		1 C	1
SF	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
SF	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1
MH	ALL	R_GFURN_80	RGASF	1 1 C		1 C	1
MH	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
MH	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1
MF	ALL	R_GFURN_80	RGASF	1 1 C		1 C	1
MF	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
MF	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1
SF	ALL	R_HP_10	RHP	1 1 C		1 C	1
SF	ALL	R_HP_13	RHP	2	0.832	0.832	1
SF	ALL	R_HP_14	RHP	3	0.832	0.832	1
MH	ALL	R_HP_10	RHP	1 1 C		1 C	1
MH	ALL	R_HP_13	RHP	2	0.832	0.832	1
MH	ALL	R_HP_14	RHP	3	0.832	0.832	1
MF	ALL	R_HP_10	RHP	1 1 C		1 C	1
MF	ALL	R_HP_13	RHP	2	0.832	0.832	1
MF	ALL	R_HP_14	RHP	3	0.832	0.832	1
SF	ALL	R_INFL_E	RINFLE	1	1	1	1
MH	ALL	R_INFL_E	RINFLE	1	1	1	1
MF	ALL	R_INFL_E	RINFLE	1	1	1	1
SF	ALL	R_INC_100W	RLGT_100	1 1 C		1 C	1

SCE  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SF	ALL	R_CFL_23-26W	RLGT_100	2	1	0.812	0.85
SF	ALL	R_CFL_23-26W_H	RLGT_100	3	0.8	0.406	0.17
MH	ALL	R_INC_100W	RLGT_100	1	1 C	1 C	1
MH	ALL	R_CFL_23-26W	RLGT_100	2	1	0.812	0.85
MH	ALL	R_CFL_23-26W_H	RLGT_100	3	0.8	0.406	0.17
MF	ALL	R_INC_100W	RLGT_100	1	1 C	1 C	1
MF	ALL	R_CFL_23-26W	RLGT_100	2	1	0.812	0.85
MF	ALL	R_CFL_23-26W_H	RLGT_100	3	0.8	0.406	0.17
SF	ALL	R_INC_150W	RLGT_150	1	1 C	1 C	1
SF	ALL	R_CFL_26-50W	RLGT_150	2	1	0.812	0.85
SF	ALL	R_CFL_26-50W_H	RLGT_150	3	1	0.812	0.425
MH	ALL	R_INC_150W	RLGT_150	1	1 C	1 C	1
MH	ALL	R_CFL_26-50W	RLGT_150	2	1	0.812	0.85
MH	ALL	R_CFL_26-50W_H	RLGT_150	3	1	0.812	0.425
MF	ALL	R_INC_150W	RLGT_150	1	1 C	1 C	1
MF	ALL	R_CFL_26-50W	RLGT_150	2	1	0.812	0.85
MF	ALL	R_CFL_26-50W_H	RLGT_150	3	1	0.812	0.425
SF	ALL	R_INC_40W	RLGT_40	1	1 C	1 C	1
SF	ALL	R_CFL_9-12W	RLGT_40	2	1	0.812	0.67
MH	ALL	R_INC_40W	RLGT_40	1	1 C	1 C	1
MH	ALL	R_CFL_9-12W	RLGT_40	2	1	0.812	0.67
MF	ALL	R_INC_40W	RLGT_40	1	1 C	1 C	1
MF	ALL	R_CFL_9-12W	RLGT_40	2	1	0.812	0.67
SF	ALL	R_INC_60W	RLGT_60	1	1 C	1 C	1
SF	ALL	R_CFL_13-17W	RLGT_60	2	1	0.812	0.67
MH	ALL	R_INC_60W	RLGT_60	1	1 C	1 C	1
MH	ALL	R_CFL_13-17W	RLGT_60	2	1	0.812	0.67
MF	ALL	R_INC_60W	RLGT_60	1	1 C	1 C	1
MF	ALL	R_CFL_13-17W	RLGT_60	2	1	0.812	0.67

SCE  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SF	ALL	R_INC_75W	RLGT_75	1	1 C	1 C	1
SF	ALL	R_CFL_18-22W	RLGT_75	2	1	0.812	0.9
SF	ALL	R_CFL_18-22W_H	RLGT_75	3	0.8	0.406	0.18
MH	ALL	R_INC_75W	RLGT_75	1	1 C	1 C	1
MH	ALL	R_CFL_18-22W	RLGT_75	2	1	0.812	0.9
MH	ALL	R_CFL_18-22W_H	RLGT_75	3	0.8	0.406	0.18
MF	ALL	R_INC_75W	RLGT_75	1	1 C	1 C	1
MF	ALL	R_CFL_18-22W	RLGT_75	2	1	0.812	0.9
MF	ALL	R_CFL_18-22W_H	RLGT_75	3	0.8	0.406	0.18
SF	ALL	R_INC_R30	RLGT_R30	1	1 C	1 C	1
SF	ALL	R_CFL_R30	RLGT_R30	2	1	0.812	0.7
MH	ALL	R_INC_R30	RLGT_R30	1	1 C	1 C	1
MH	ALL	R_CFL_R30	RLGT_R30	2	1	0.812	0.7
MF	ALL	R_INC_R30	RLGT_R30	1	1 C	1 C	1
MF	ALL	R_CFL_R30	RLGT_R30	2	1	0.812	0.7
SF	ALL	R_INC_R40	RLGT_R40	1	1 C	1 C	1
SF	ALL	R_CFL_R40	RLGT_R40	2	1	0.812	0.7
MH	ALL	R_INC_R40	RLGT_R40	1	1 C	1 C	1
MH	ALL	R_CFL_R40	RLGT_R40	2	1	0.812	0.7
MF	ALL	R_INC_R40	RLGT_R40	1	1 C	1 C	1
MF	ALL	R_CFL_R40	RLGT_R40	2	1	0.812	0.7
SF	ALL	R_TORCH_HAL	RLGT_TOR1	1	1 C	1 C	1
SF	ALL	R_TORCH_CFL	RLGT_TOR1	2	1 C	1 C	1
MH	ALL	R_TORCH_HAL	RLGT_TOR1	1	1 C	1 C	1
MH	ALL	R_TORCH_CFL	RLGT_TOR1	2	1 C	1 C	1
MF	ALL	R_TORCH_HAL	RLGT_TOR1	1	1 C	1 C	1
MF	ALL	R_TORCH_CFL	RLGT_TOR1	2	1 C	1 C	1
SF	ALL	R_TORCH_INC	RLGT_TOR2	1	1 C	1 C	1
SF	ALL	R_TORCH_CFL2	RLGT_TOR2	2	1 C	1 C	1
MH	ALL	R_TORCH_INC	RLGT_TOR2	1	1 C	1 C	1
MH	ALL	R_TORCH_CFL2	RLGT_TOR2	2	1 C	1 C	1
MF	ALL	R_TORCH_INC	RLGT_TOR2	1	1 C	1 C	1

SCE  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_TORCH_CFL2	RLGT_TOR2	2	1 C	1 C	1
SF	ALL	R_WH_PW	RPW	1	1 C	1 C	0.75
MH	ALL	R_WH_PW	RPW	1	1 C	1 C	0.75
MF	ALL	R_WH_PW	RPW	1	1 C	1 C	0.75
SF	ALL	R_WH_PW_G	RPW_G	1	1 C	1 C	0.75
MH	ALL	R_WH_PW_G	RPW_G	1	1 C	1 C	0.75
MF	ALL	R_WH_PW_G	RPW_G	1	1 C	1 C	0.75
SF	ALL	R_RAC_Base	RRAC	1	1 C	1 C	1
SF	ALL	R_RAC_ES	RRAC	2	0.791	0.832	1
MH	ALL	R_RAC_Base	RRAC	1	1 C	1 C	1
MH	ALL	R_RAC_ES	RRAC	2	0.791	0.832	1
MF	ALL	R_RAC_Base	RRAC	1	1 C	1 C	1
MF	ALL	R_RAC_ES	RRAC	2	0.791	0.832	1
SF	ALL	R_RAC_ES_1	RRAC1	1	0.791	0.832	1
MH	ALL	R_RAC_ES_1	RRAC1	1	0.791	0.832	1
MF	ALL	R_RAC_ES_1	RRAC1	1	0.791	0.832	1
SF	ALL	R_REF	RREF	1	1 C	1 C	1
SF	ALL	R_REF_ES	RREF	2	0.656	0.832	1
MH	ALL	R_REF	RREF	1	1 C	1 C	1
MH	ALL	R_REF_ES	RREF	2	0.656	0.832	1
MF	ALL	R_REF	RREF	1	1 C	1 C	1
MF	ALL	R_REF_ES	RREF	2	0.656	0.832	1
SF	ALL	R_REF_ES_1	RREF1	1	0.656	0.832	1
MH	ALL	R_REF_ES_1	RREF1	1	0.656	0.832	1
MF	ALL	R_REF_ES_1	RREF1	1	0.656	0.832	1
SF	ALL	R_Ref_Recy	RRCY	1	0.649	0.865	1
MH	ALL	R_Ref_Recy	RRCY	1	0.649	0.865	1
MF	ALL	R_Ref_Recy	RRCY	1	0.649	0.865	1
SF	ALL	R_WH_Shwh	RSHW	1	1 C	1 C	0.95
MH	ALL	R_WH_Shwh	RSHW	1	1 C	1 C	0.95
MF	ALL	R_WH_Shwh	RSHW	1	1 C	1 C	0.95
SF	ALL	R_WH_Shwh_G	RSHW_G	1	1 C	1 C	0.95
MH	ALL	R_WH_Shwh_G	RSHW_G	1	1 C	1 C	0.95
MF	ALL	R_WH_Shwh_G	RSHW_G	1	1 C	1 C	0.95
SF	ALL	R_WH_0.88	RWH	1	1 C	1 C	1

SCE  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SF	ALL	R_WH_0.93	RWH	2	0.572	0.936	1
SF	ALL	R_WH_POU	RWH	3	0.572	0.936	0.25
MH	ALL	R_WH_0.88	RWH	1	1 C	1 C	1
MH	ALL	R_WH_0.93	RWH	2	0.572	0.936	1
MH	ALL	R_WH_POU	RWH	3	0.572	0.936	0.25
MF	ALL	R_WH_0.88	RWH	1	1 C	1 C	1
MF	ALL	R_WH_0.93	RWH	2	0.572	0.936	1
MF	ALL	R_WH_POU	RWH	3	0.572	0.936	0.25
MF	ALL	R_WH_BC_G	RWHBC	1	0.4 C	0.4 C	1
SF	ALL	R_WH_WHW	RWHW	1	1 C	1 C	0.75
MH	ALL	R_WH_WHW	RWHW	1	1 C	1 C	0.75
MF	ALL	R_WH_WHW	RWHW	1	1 C	1 C	0.75
SF	ALL	R_WH_WHW_G	RWHW_G	1	1 C	1 C	0.75
MH	ALL	R_WH_WHW_G	RWHW_G	1	1 C	1 C	0.75
MF	ALL	R_WH_WHW_G	RWHW_G	1	1 C	1 C	0.75
SF	ALL	R_WH_0.6_G	RWH_G	1	1 C	1 C	1
SF	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
SF	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25
MH	ALL	R_WH_0.6_G	RWH_G	1	1 C	1 C	1
MH	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
MH	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25
MF	ALL	R_WH_0.6_G	RWH_G	1	1 C	1 C	1
MF	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
MF	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25
SF	ALL	R_Wind1	RWIND	1	1 C	1 C	1
SF	ALL	R_WIND	RWIND	2	1	1	1
MF	ALL	R_Wind1	RWIND	1	1 C	1 C	1
MF	ALL	R_WIND	RWIND	2	1	1	1
SF	ALL	R_WINSL_E	RWINSLE	1	1	1	1
MF	ALL	R_WINSL_E	RWINSLE	1	1	1	1
SF	ALL	R_PP_Base	R_POOL	1	1 C	1 C	1
SF	ALL	R_PP_OneSpd	R_POOL	2	0.75 C	0.85 C	1
SF	ALL	R_PP_TwoSpd	R_POOL	3	0.75 C	0.85 C	1

SCG  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SF	ALL	R_AINSL	RAINSL	1	0.936	0.936	1
MF	ALL	R_AINSL	RAINSL	1	0.936	0.936	1
SF	ALL	R_CW_1.04_G	RCW_G	1 1 C		1 C	1
SF	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1
SF	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1
MH	ALL	R_CW_1.04_G	RCW_G	1 1 C		1 C	1
MH	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1
MH	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1
MF	ALL	R_CW_1.04_G	RCW_G	1 1 C		1 C	1
MF	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1
MF	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1
SF	ALL	R_CD_Base_G	RDRY_G	1 1 C		1 C	1
SF	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
MH	ALL	R_CD_Base_G	RDRY_G	1 1 C		1 C	1
MH	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
MF	ALL	R_CD_Base_G	RDRY_G	1 1 C		1 C	1
MF	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
SF	ALL	R_DW_0.46_G	RDW_G	1 1 C		1 C	1
SF	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
MH	ALL	R_DW_0.46_G	RDW_G	1 1 C		1 C	1
MH	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
MF	ALL	R_DW_0.46_G	RDW_G	1 1 C		1 C	1
MF	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
SF	ALL	R_WH_FA_G	RFA_G	1 1 C		1 C	0.95
MH	ALL	R_WH_FA_G	RFA_G	1 1 C		1 C	0.95
MF	ALL	R_WH_FA_G	RFA_G	1 1 C		1 C	0.95
SF	ALL	R_GFURN_80	RGASF	1 1 C		1 C	1
SF	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
SF	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1
MH	ALL	R_GFURN_80	RGASF	1 1 C		1 C	1
MH	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
MH	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1
MF	ALL	R_GFURN_80	RGASF	1 1 C		1 C	1
MF	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
MF	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1

SCG  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SF	ALL	R_GFURN_90_1	RGASF1	1	0.53	0.757	1
MH	ALL	R_GFURN_90_1	RGASF1	1	0.53	0.757	1
MF	ALL	R_GFURN_90_1	RGASF1	1	0.53	0.757	1
SF	ALL	R_INFL	RINFL	1	0.936	0.936	1
MH	ALL	R_INFL	RINFL	1	0.936	0.936	1
MF	ALL	R_INFL	RINFL	1	0.936	0.936	1
SF	ALL	R_WH_PW_G	RPW_G	1 1 C		1 C	0.75
MH	ALL	R_WH_PW_G	RPW_G	1 1 C		1 C	0.75
MF	ALL	R_WH_PW_G	RPW_G	1 1 C		1 C	0.75
SF	ALL	R_WH_Shw_G	RSHW_G	1 1 C		1 C	0.95
MH	ALL	R_WH_Shw_G	RSHW_G	1 1 C		1 C	0.95
MF	ALL	R_WH_Shw_G	RSHW_G	1 1 C		1 C	0.95
MF	ALL	R_WH_BC_G	RWHBC	1 0.4 C		0.4 C	1
SF	ALL	R_WH_WHW_G	RWHW_G	1 1 C		1 C	0.75
MH	ALL	R_WH_WHW_G	RWHW_G	1 1 C		1 C	0.75
MF	ALL	R_WH_WHW_G	RWHW_G	1 1 C		1 C	0.75
SF	ALL	R_WH_0.6_G	RWH_G	1 1 C		1 C	1
SF	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
SF	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25
MH	ALL	R_WH_0.6_G	RWH_G	1 1 C		1 C	1
MH	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
MH	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25
MF	ALL	R_WH_0.6_G	RWH_G	1 1 C		1 C	1
MF	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
MF	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25



SDG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_EXIT_LEDE	EXIT	1	0.572	0.936	1
MF	ALL	R_Occ_Sens	OCCSENS	1	0.572	0.936	1
MF	ALL	R_Photo	PHOTOC	1	0.572	0.936	1
SF	ALL	R_AINSL	RAINSL	1	1	1	1
MF	ALL	R_AINSL	RAINSL	1	1	1	1
SF	ALL	R_AINSL_E	RAINSLE	1	1	1	1
MF	ALL	R_AINSL_E	RAINSLE	1	1	1	1
SF	ALL	R_CAC-10	RCAC	1	1 C	1 C	1
SF	ALL	R_CAC_13	RCAC	2	0.832	0.832	1
SF	ALL	R_CAC_14	RCAC	3	0.832	0.832	1
SF	ALL	R_CAC_15	RCAC	4	0.832	0.832	1
MH	ALL	R_CAC-10	RCAC	1	1 C	1 C	1
MH	ALL	R_CAC_13	RCAC	2	0.832	0.832	1
MH	ALL	R_CAC_14	RCAC	3	0.832	0.832	1
MH	ALL	R_CAC_15	RCAC	4	0.832	0.832	1
MF	ALL	R_CAC-10	RCAC	1	1 C	1 C	1
MF	ALL	R_CAC_13	RCAC	2	0.832	0.832	1
MF	ALL	R_CAC_14	RCAC	3	0.832	0.832	1
MF	ALL	R_CAC_15	RCAC	4	0.832	0.832	1
SF	ALL	R_CAC_14_1	RCAC1	1	0.832	0.832	1
MH	ALL	R_CAC_14_1	RCAC1	1	0.832	0.832	1
MF	ALL	R_CAC_14_1	RCAC1	1	0.832	0.832	1
SF	ALL	R_CW_1.04	RCW_E	1	1 C	1 C	1
SF	ALL	R_CW_1.42	RCW_E	2	0.76	0.832	1
SF	ALL	R_CW_1.60	RCW_E	3	0.76	0.832	1
MH	ALL	R_CW_1.04	RCW_E	1	1 C	1 C	1
MH	ALL	R_CW_1.42	RCW_E	2	0.76	0.832	1
MH	ALL	R_CW_1.60	RCW_E	3	0.76	0.832	1
MF	ALL	R_CW_1.04	RCW_E	1	1 C	1 C	1
MF	ALL	R_CW_1.42	RCW_E	2	0.76	0.832	1
MF	ALL	R_CW_1.60	RCW_E	3	0.76	0.832	1
SF	ALL	R_CW_1.04_G	RCW_G	1	1 C	1 C	1
SF	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1
SF	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1
MH	ALL	R_CW_1.04_G	RCW_G	1	1 C	1 C	1
MH	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1

SDG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MH	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1
MF	ALL	R_CW_1.04_G	RCW_G	1 1 C		1 C	1
MF	ALL	R_CW_1.42_G	RCW_G	2	0.76	0.832	1
MF	ALL	R_CW_1.60_G	RCW_G	3	0.76	0.832	1
SF	ALL	R_HVAC_DI	RDIAG	1	1	1	1
MH	ALL	R_HVAC_DI	RDIAG	1	1	1	1
MF	ALL	R_HVAC_DI	RDIAG	1	1	1	1
SF	ALL	R_CD_Base	RDRY_E	1 1 C		1 C	1
SF	ALL	R_CD_EF	RDRY_E	2	0.76	0.832	1
MH	ALL	R_CD_Base	RDRY_E	1 1 C		1 C	1
MH	ALL	R_CD_EF	RDRY_E	2	0.76	0.832	1
MF	ALL	R_CD_Base	RDRY_E	1 1 C		1 C	1
MF	ALL	R_CD_EF	RDRY_E	2	0.76	0.832	1
SF	ALL	R_CD_Base_G	RDRY_G	1 1 C		1 C	1
SF	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
MH	ALL	R_CD_Base_G	RDRY_G	1 1 C		1 C	1
MH	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
MF	ALL	R_CD_Base_G	RDRY_G	1 1 C		1 C	1
MF	ALL	R_CD_EF_G	RDRY_G	2	0.76	0.832	1
SF	ALL	R_DUCTR	RDUCT	1	1	1	0.6
MH	ALL	R_DUCTR	RDUCT	1	1	1	0.6
MF	ALL	R_DUCTR	RDUCT	1	1	1	0.6
SF	ALL	R_DUCTR_E	RDUCTE	1	1	1	0.6
MH	ALL	R_DUCTR_E	RDUCTE	1	1	1	0.6
MF	ALL	R_DUCTR_E	RDUCTE	1	1	1	0.6
SF	ALL	R_DW_0.46	RDW_E	1 1 C		1 C	1
SF	ALL	R_DW_0.58	RDW_E	2	0.926	0.936	1
MH	ALL	R_DW_0.46	RDW_E	1 1 C		1 C	1
MH	ALL	R_DW_0.58	RDW_E	2	0.926	0.936	1
MF	ALL	R_DW_0.46	RDW_E	1 1 C		1 C	1
MF	ALL	R_DW_0.58	RDW_E	2	0.926	0.936	1
SF	ALL	R_DW_0.46_G	RDW_G	1 1 C		1 C	1
SF	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
MH	ALL	R_DW_0.46_G	RDW_G	1 1 C		1 C	1
MH	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
MF	ALL	R_DW_0.46_G	RDW_G	1 1 C		1 C	1

SDG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_DW_0.58_G	RDW_G	2	0.926	0.936	1
SF	ALL	R_EVAP	REVAP	1	0.624	0.624	0.4
MH	ALL	R_EVAP	REVAP	1	0.624	0.624	0.9
MF	ALL	R_EVAP	REVAP	1	0.624	0.624	0.15
SF	ALL	R_WH_FA	RFA	1 1 C		1 C	0.95
MH	ALL	R_WH_FA	RFA	1 1 C		1 C	0.95
MF	ALL	R_WH_FA	RFA	1 1 C		1 C	0.95
SF	ALL	R_WFAN	RFAN	1	0.541	0.728	0.8
MH	ALL	R_WFAN	RFAN	1	0.541	0.728	0
MF	ALL	R_WFAN	RFAN	1	0.541	0.728	0.2
SF	ALL	R_WH_FA_G	RFA_G	1 1 C		1 C	0.95
MH	ALL	R_WH_FA_G	RFA_G	1 1 C		1 C	0.95
MF	ALL	R_WH_FA_G	RFA_G	1 1 C		1 C	0.95
SF	ALL	R_Frz_Recy	RFRCY	1	0.649	0.865	1
MH	ALL	R_Frz_Recy	RFRCY	1	0.649	0.865	1
MF	ALL	R_Frz_Recy	RFRCY	1	0.649	0.865	1
SF	ALL	R_GFURN_80	RGASF	1 1 C		1 C	1
SF	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
SF	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1
MH	ALL	R_GFURN_80	RGASF	1 1 C		1 C	1
MH	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
MH	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1
MF	ALL	R_GFURN_80	RGASF	1 1 C		1 C	1
MF	ALL	R_GFURN_90	RGASF	2	0.53	0.757	1
MF	ALL	R_GFURN_94	RGASF	3	0.53	0.757	1
SF	ALL	R_HP_10	RHP	1 1 C		1 C	1
SF	ALL	R_HP_13	RHP	2	0.832	0.832	1
SF	ALL	R_HP_14	RHP	3	0.832	0.832	1
MH	ALL	R_HP_10	RHP	1 1 C		1 C	1
MH	ALL	R_HP_13	RHP	2	0.832	0.832	1
MH	ALL	R_HP_14	RHP	3	0.832	0.832	1
MF	ALL	R_HP_10	RHP	1 1 C		1 C	1
MF	ALL	R_HP_13	RHP	2	0.832	0.832	1
MF	ALL	R_HP_14	RHP	3	0.832	0.832	1
SF	ALL	R_INFL	RINFL	1	1	1	1
MH	ALL	R_INFL	RINFL	1	1	1	1

SDG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_INFL	RINFL	1	1	1	1
SF	ALL	R_INFL_E	RINFLE	1	1	1	1
MH	ALL	R_INFL_E	RINFLE	1	1	1	1
MF	ALL	R_INFL_E	RINFLE	1	1	1	1
SF	ALL	R_INC_100W	RLGT_100	1	1 C	1 C	1
SF	ALL	R_CFL_23-26W	RLGT_100	2	0.853	0.812	0.85
SF	ALL	R_CFL_23-26W_H	RLGT_100	3	0.6824	0.406	0.17
MH	ALL	R_INC_100W	RLGT_100	1	1 C	1 C	1
MH	ALL	R_CFL_23-26W	RLGT_100	2	0.853	0.812	0.85
MH	ALL	R_CFL_23-26W_H	RLGT_100	3	0.6824	0.406	0.17
MF	ALL	R_INC_100W	RLGT_100	1	1 C	1 C	1
MF	ALL	R_CFL_23-26W	RLGT_100	2	0.853	0.812	0.85
MF	ALL	R_CFL_23-26W_H	RLGT_100	3	0.6824	0.406	0.17
SF	ALL	R_INC_150W	RLGT_150	1	1 C	1 C	1
SF	ALL	R_CFL_26-50W	RLGT_150	2	0.853	0.812	0.85
SF	ALL	R_CFL_26-50W_H	RLGT_150	3	0.853	0.812	0.425
MH	ALL	R_INC_150W	RLGT_150	1	1 C	1 C	1
MH	ALL	R_CFL_26-50W	RLGT_150	2	0.853	0.812	0.85
MH	ALL	R_CFL_26-50W_H	RLGT_150	3	0.853	0.812	0.425
MF	ALL	R_INC_150W	RLGT_150	1	1 C	1 C	1
MF	ALL	R_CFL_26-50W	RLGT_150	2	0.853	0.812	0.85
MF	ALL	R_CFL_26-50W_H	RLGT_150	3	0.853	0.812	0.425
SF	ALL	R_INC_40W	RLGT_40	1	1 C	1 C	1
SF	ALL	R_CFL_9-12W	RLGT_40	2	0.853	0.812	0.67
MH	ALL	R_INC_40W	RLGT_40	1	1 C	1 C	1
MH	ALL	R_CFL_9-12W	RLGT_40	2	0.853	0.812	0.67
MF	ALL	R_INC_40W	RLGT_40	1	1 C	1 C	1
MF	ALL	R_CFL_9-12W	RLGT_40	2	0.853	0.812	0.67
SF	ALL	R_INC_60W	RLGT_60	1	1 C	1 C	1
SF	ALL	R_CFL_13-17W	RLGT_60	2	0.853	0.812	0.67
MH	ALL	R_INC_60W	RLGT_60	1	1 C	1 C	1
MH	ALL	R_CFL_13-17W	RLGT_60	2	0.853	0.812	0.67
MF	ALL	R_INC_60W	RLGT_60	1	1 C	1 C	1
MF	ALL	R_CFL_13-17W	RLGT_60	2	0.853	0.812	0.67
SF	ALL	R_INC_75W	RLGT_75	1	1 C	1 C	1
SF	ALL	R_CFL_18-22W	RLGT_75	2	0.853	0.812	0.9

SDG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SF	ALL	R_CFL_18-22W_H	RLGT_75	3	0.6824	0.406	0.18
MH	ALL	R_INC_75W	RLGT_75	1 1 C		1 C	1
MH	ALL	R_CFL_18-22W	RLGT_75	2	0.853	0.812	0.9
MH	ALL	R_CFL_18-22W_H	RLGT_75	3	0.6824	0.406	0.18
MF	ALL	R_INC_75W	RLGT_75	1 1 C		1 C	1
MF	ALL	R_CFL_18-22W	RLGT_75	2	0.853	0.812	0.9
MF	ALL	R_CFL_18-22W_H	RLGT_75	3	0.6824	0.406	0.18
SF	ALL	R_INC_R30	RLGT_R30	1 1 C		1 C	1
SF	ALL	R_CFL_R30	RLGT_R30	2	0.853	0.812	0.7
MH	ALL	R_INC_R30	RLGT_R30	1 1 C		1 C	1
MH	ALL	R_CFL_R30	RLGT_R30	2	0.853	0.812	0.7
MF	ALL	R_INC_R30	RLGT_R30	1 1 C		1 C	1
MF	ALL	R_CFL_R30	RLGT_R30	2	0.853	0.812	0.7
SF	ALL	R_INC_R40	RLGT_R40	1 1 C		1 C	1
SF	ALL	R_CFL_R40	RLGT_R40	2	0.853	0.812	0.7
MH	ALL	R_INC_R40	RLGT_R40	1 1 C		1 C	1
MH	ALL	R_CFL_R40	RLGT_R40	2	0.853	0.812	0.7
MF	ALL	R_INC_R40	RLGT_R40	1 1 C		1 C	1
MF	ALL	R_CFL_R40	RLGT_R40	2	0.853	0.812	0.7
SF	ALL	R_TORCH_HAL	RLGT_TOR1	1 1 C		1 C	1
SF	ALL	R_TORCH_CFL	RLGT_TOR1	2 1 C		1 C	1
MH	ALL	R_TORCH_HAL	RLGT_TOR1	1 1 C		1 C	1
MH	ALL	R_TORCH_CFL	RLGT_TOR1	2 1 C		1 C	1
MF	ALL	R_TORCH_HAL	RLGT_TOR1	1 1 C		1 C	1
MF	ALL	R_TORCH_CFL	RLGT_TOR1	2 1 C		1 C	1
SF	ALL	R_TORCH_INC	RLGT_TOR2	1 1 C		1 C	1
SF	ALL	R_TORCH_CFL2	RLGT_TOR2	2 1 C		1 C	1
MH	ALL	R_TORCH_INC	RLGT_TOR2	1 1 C		1 C	1
MH	ALL	R_TORCH_CFL2	RLGT_TOR2	2 1 C		1 C	1
MF	ALL	R_TORCH_INC	RLGT_TOR2	1 1 C		1 C	1
MF	ALL	R_TORCH_CFL2	RLGT_TOR2	2 1 C		1 C	1
SF	ALL	R_WH_PW	RPW	1 1 C		1 C	0.75
MH	ALL	R_WH_PW	RPW	1 1 C		1 C	0.75
MF	ALL	R_WH_PW	RPW	1 1 C		1 C	0.75
SF	ALL	R_WH_PW_G	RPW_G	1 1 C		1 C	0.75
MH	ALL	R_WH_PW_G	RPW_G	1 1 C		1 C	0.75

SDG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_WH_PW_G	RPW_G	1	1 C	1 C	0.75
SF	ALL	R_RAC_Base	RRAC	1	1 C	1 C	1
SF	ALL	R_RAC_ES	RRAC	2	0.791	0.832	1
MH	ALL	R_RAC_Base	RRAC	1	1 C	1 C	1
MH	ALL	R_RAC_ES	RRAC	2	0.791	0.832	1
MF	ALL	R_RAC_Base	RRAC	1	1 C	1 C	1
MF	ALL	R_RAC_ES	RRAC	2	0.791	0.832	1
SF	ALL	R_RAC_ES_1	RRAC1	1	0.791	0.832	1
MH	ALL	R_RAC_ES_1	RRAC1	1	0.791	0.832	1
MF	ALL	R_RAC_ES_1	RRAC1	1	0.791	0.832	1
SF	ALL	R_REF	RREF	1	1 C	1 C	1
SF	ALL	R_REF_ES	RREF	2	0.656	0.832	1
MH	ALL	R_REF	RREF	1	1 C	1 C	1
MH	ALL	R_REF_ES	RREF	2	0.656	0.832	1
MF	ALL	R_REF	RREF	1	1 C	1 C	1
MF	ALL	R_REF_ES	RREF	2	0.656	0.832	1
SF	ALL	R_REF_ES_1	RREF1	1	0.656	0.832	1
MH	ALL	R_REF_ES_1	RREF1	1	0.656	0.832	1
MF	ALL	R_REF_ES_1	RREF1	1	0.656	0.832	1
SF	ALL	R_Ref_Recy	RRRCY	1	0.649	0.865	1
MH	ALL	R_Ref_Recy	RRRCY	1	0.649	0.865	1
MF	ALL	R_Ref_Recy	RRRCY	1	0.649	0.865	1
SF	ALL	R_WH_Shwh	RSHW	1	1 C	1 C	0.95
MH	ALL	R_WH_Shwh	RSHW	1	1 C	1 C	0.95
MF	ALL	R_WH_Shwh	RSHW	1	1 C	1 C	0.95
SF	ALL	R_WH_Shwh_G	RSHW_G	1	1 C	1 C	0.95
MH	ALL	R_WH_Shwh_G	RSHW_G	1	1 C	1 C	0.95
MF	ALL	R_WH_Shwh_G	RSHW_G	1	1 C	1 C	0.95
SF	ALL	R_WH_0.88	RWH	1	1 C	1 C	1
SF	ALL	R_WH_0.93	RWH	2	0.572	0.936	1
SF	ALL	R_WH_POU	RWH	3	0.572	0.936	0.25
MH	ALL	R_WH_0.88	RWH	1	1 C	1 C	1
MH	ALL	R_WH_0.93	RWH	2	0.572	0.936	1
MH	ALL	R_WH_POU	RWH	3	0.572	0.936	0.25
MF	ALL	R_WH_0.88	RWH	1	1 C	1 C	1
MF	ALL	R_WH_0.93	RWH	2	0.572	0.936	1

SDG&E  
Residential Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MF	ALL	R_WH_POU	RWH	3	0.572	0.936	0.25
MF	ALL	R_WH_BC_G	RWHBC	1	0.4 C	0.4 C	1
SF	ALL	R_WH_WHW	RWHW	1	1 C	1 C	0.75
MH	ALL	R_WH_WHW	RWHW	1	1 C	1 C	0.75
MF	ALL	R_WH_WHW	RWHW	1	1 C	1 C	0.75
SF	ALL	R_WH_WHW_G	RWHW_G	1	1 C	1 C	0.75
MH	ALL	R_WH_WHW_G	RWHW_G	1	1 C	1 C	0.75
MF	ALL	R_WH_WHW_G	RWHW_G	1	1 C	1 C	0.75
SF	ALL	R_WH_0.6_G	RWH_G	1	1 C	1 C	1
SF	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
SF	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25
MH	ALL	R_WH_0.6_G	RWH_G	1	1 C	1 C	1
MH	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
MH	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25
MF	ALL	R_WH_0.6_G	RWH_G	1	1 C	1 C	1
MF	ALL	R_WH_0.63_G	RWH_G	2	0.572	0.936	1
MF	ALL	R_WH_POU_G	RWH_G	3	0.572	0.936	0.25
SF	ALL	R_Wind1	RWIND	1	1 C	1 C	1
SF	ALL	R_WIND	RWIND	2	1	1	1
MF	ALL	R_Wind1	RWIND	1	1 C	1 C	1
MF	ALL	R_WIND	RWIND	2	1	1	1
SF	ALL	R_WINSL	RWINSL	1	1	1	1
MF	ALL	R_WINSL	RWINSL	1	1	1	1
SF	ALL	R_WINSL_E	RWINSLE	1	1	1	1
MF	ALL	R_WINSL_E	RWINSLE	1	1	1	1
SF	ALL	R_PP_Base	R_POOL	1	1 C	1 C	1
SF	ALL	R_PP_OneSpd	R_POOL	2	0.75 C	0.85 C	1
SF	ALL	R_PP_TwoSpd	R_POOL	3	0.75 C	0.85 C	1

## C.2 Technology Density, Applicability, and Base Share

The following tables contain the technology density, applicability, and base shares.

The analysis derived most of the technology density information from the 2004 Residential Appliance Saturation Survey.<sup>2</sup> This is a number that describes the number of technology units per home. For lighting, the technology density gives the number of fixtures or light bulbs per home. The lighting technology density numbers were derived from Residential New Construction Baseline Study.<sup>3</sup> For HVAC, the density is the number of pieces of equipment per home. For insulation and windows, the density is the number of square foot of applicable area.

The applicability limits the market to those situations where the technology is present. For replace-on-burnout technologies, the applicable market is the number of decaying units that are to be replaced (usually 1). For conversion technologies, the applicable market is the cumulative conversion from the base option to other options within the competition group (usually 1). For retrofits, the applicable market is the number of existing units with the qualifying configuration or equipment.

As described above, the applicability varies by decision type. Several technologies are analyzed for multiple decision types. In the following tables decision type RET is retrofit, ROB is replace on burnout, CON is conversion, and NEW is new construction. Measures included in the NEW decision type were restricted to measures not included in the new construction packages. High efficiency lighting is a good example of a technology analyzed as conversion, replace on burnout and new construction.

The base shares are the fraction of homes with the measure by technology. The base share for retrofit models is the applicable market times the fraction of the market with the high efficiency technology.

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<sup>2</sup> KEMA-Xenergy, Inc. *California Statewide Residential Appliance Saturation Study*. Prepared for the California Energy Commission. June 2004.

<sup>3</sup> Itron, Inc. *Residential New Construction Baseline Study of Building Characteristics - Homes Built After 2001 Codes*. Prepared for Pacific Gas and Electric. August 2004.



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 1

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.12	0.02	462.7
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.03	0.11	1180.5
HVAC	RWINSL	MF	RET	R_WINSL	1	0.29	0.06	462.7
HVAC	RWINSL	SF	RET	R_WINSL	1	0.33	0.25	1180.5
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.03	88
HVAC	RWIND	MF	ROB	R_WIND	2	1	0	88
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.01	219
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.01	219
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.01	0	1
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.06	0	1
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0	0	1
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.03	0.99
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	0.99
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.12	0.94
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	0.94
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0	1
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.12	0.04	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.09	0.04	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.03	0.01	1
HVAC	RINFL	MF	RET	R_INFL	1	0.29	0.17	1
HVAC	RINFL	MH	RET	R_INFL	1	0.38	0.23	1
HVAC	RINFL	SF	RET	R_INFL	1	0.33	0.2	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0.15	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.01	0	1
HVAC	RFAN	MH	RET	R_WFAN	1	0	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.01	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 1

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.01	0	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.12	0.12	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.01	0	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.13	0.04	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.12	0.04	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.02	0.01	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.71	0.21	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.54	0.16	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.61	0.18	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.01	0.01	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.15	0.07	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.02	0.01	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.01	1
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0	1
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	1
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	1
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0	1
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0	1
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	1
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	1
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.01	1
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0	1
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	1
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	1
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.12	0.01	512
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.03	0.02	1456
HVAC	RAINSL	MF	RET	R_AINSL	1	0.29	0	512
HVAC	RAINSL	SF	RET	R_AINSL	1	0.33	0.26	1456
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 1

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 1

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 1

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 1

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 1

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.1	0.1	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.1	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.1	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.1	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.31	0.31	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.31	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.31	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.57	0.57	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 1

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Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.57	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.57	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.44	0.44	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.44	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.44	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.03	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.38	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.23	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.24	0.05	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.49	0.1	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.24	0.05	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.76
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.76
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.76
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.76
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.51
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.51
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.51
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.51
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.76
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.76
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.76
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.76
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.08	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.06	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.12	0.03	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0	0	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.12	0.04	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.16	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.13	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0	1



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 1

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.12	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.1	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_ShW	1	0.29	0.26	1
WHeat	RSHW	MH	RET	R_WH_ShW	1	0	0	1
WHeat	RSHW	SF	RET	R_WH_ShW	1	0.22	0.15	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.29	0.01	1
WHeat	RPW	MH	RET	R_WH_PW	1	0	0	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.22	0.01	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.12	0.07	1
WHeat	RFA	MH	RET	R_WH_FA	1	0	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.12	0.06	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.01	0.01	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.01	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.01	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.02	0.02	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.02	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.02	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.14	0.14	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.14	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.14	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.13	0.13	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.13	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.13	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.13	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.14	0.14	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.14	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.14	0	1

PG&E Existing Residential Buildings  
 Electric Applicability, Base Share, and Technology Density for Climate Zone 1

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.14	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.19	0.18	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.19	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.19	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.18	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 2

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.09	0.07	469
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.04	0.12	1180.5
HVAC	RWINSL	MF	RET	R_WINSL	1	0.36	0.27	469
HVAC	RWINSL	SF	RET	R_WINSL	1	0.49	0.38	1180.5
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.27	123
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.08	123
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.19	273
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.18	273
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.05	0	1.19
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.27	0	1.19
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.02	0	1.19
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.2	1.13
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.13
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.54	0.87
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	0.87
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.12	1.17
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.17
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.09	0.03	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.06	0.02	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.04	0.01	1
HVAC	RINFL	MF	RET	R_INFL	1	0.36	0.21	1
HVAC	RINFL	MH	RET	R_INFL	1	0.35	0.21	1
HVAC	RINFL	SF	RET	R_INFL	1	0.49	0.3	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.02	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.16	0	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.25	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.27	0.01	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 2

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.17	0.01	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.53	0.28	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.29	0.03	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.09	0.03	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.08	0.02	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.04	0.01	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.77	0.23	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.48	0.14	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.75	0.23	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.18	0.09	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.26	0.13	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.27	0.14	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.04	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.12	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.04	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.14	0.96
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.02	0.96
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.96
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.96
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.22	0.88
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.02	0.88
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.88
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.88
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.24	0.96
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.03	0.96
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.96
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.96
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.09	0.03	511
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.04	0.03	1386
HVAC	RAINSL	MF	RET	R_AINSL	1	0.36	0.04	511
HVAC	RAINSL	SF	RET	R_AINSL	1	0.49	0.43	1386
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 2

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 2

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 2

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 2

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 2

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.14	0.14	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.14	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.14	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.14	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.12	0.12	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.12	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.12	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.38	0.38	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 2

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.38	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.38	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.51	0.51	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.51	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.51	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.06	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.14	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.22	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.25	0.05	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.49	0.1	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.15	0.03	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.75
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.75
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.75
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.75
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.51
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.51
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.51
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.51
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.85
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.85
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.85
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.85
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.03	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.04	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.07	0.01	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.11	0.05	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.12	0.07	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.07	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.07	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0.01	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.07	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 2

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.07	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0.01	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.1	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.08	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.15	0.09	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.15	0.11	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.19	0.14	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.15	0.01	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.15	0.01	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.19	0.01	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.07	0.02	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.11	0.07	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.12	0.07	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.09	0.09	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.09	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.09	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.05	0.05	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.05	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.05	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.15	0.15	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.15	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.15	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.03	0.03	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.03	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.03	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.03	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.09	0.09	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.09	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.09	0	1

PG&E Existing Residential Buildings  
 Electric Applicability, Base Share, and Technology Density for Climate Zone 2

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.09	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.18	0.15	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.18	0.02	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.18	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.15	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.02	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3A

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.24	0.1	469
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.03	0.08	1064
HVAC	RWINSL	MF	RET	R_WINSL	1	0.41	0.17	469
HVAC	RWINSL	SF	RET	R_WINSL	1	0.71	0.46	1064
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.06	123
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.01	123
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.07	273
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.05	273
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.01	0	1.13
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.11	0	1.13
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.01	0	1.13
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.03	1.12
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.12
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.27	1.01
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	1.01
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.04	1.12
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.12
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.24	0.05	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.05	0.02	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.03	0	1
HVAC	RINFL	MF	RET	R_INFL	1	0.41	0.25	1
HVAC	RINFL	MH	RET	R_INFL	1	0.59	0.35	1
HVAC	RINFL	SF	RET	R_INFL	1	0.71	0.42	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.03	0	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.18	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.07	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3A

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.03	0	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.35	0.17	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.08	0.01	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.11	0.03	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	-0.42	-0.13	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.01	0	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.52	0.16	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.86	0.26	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.92	0.28	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.04	0.02	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.18	0.09	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.07	0.04	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.01	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.08	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.01	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.03	0.99
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0	0.99
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.99
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.99
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.17	0.92
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.02	0.92
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.92
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.92
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.06	0.99
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.01	0.99
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.99
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.99
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.24	0.06	511
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.03	0.02	1386
HVAC	RAINSL	MF	RET	R_AINSL	1	0.41	0	511
HVAC	RAINSL	SF	RET	R_AINSL	1	0.71	0.46	1386
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3A

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3A

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3A

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3A

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3A

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.04	0.04	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.04	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.04	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.04	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.2	0.2	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.2	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.2	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.42	0.42	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3A

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.42	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.42	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.43	0.43	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.43	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.43	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRCY	MF	RET	R_Ref_Recy	1	0.05	0	1
Ref	RRCY	MH	RET	R_Ref_Recy	1	0.06	0	1
Ref	RRCY	SF	RET	R_Ref_Recy	1	0.23	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.26	0.05	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.41	0.08	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.18	0.04	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.74
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.74
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.74
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.74
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.59
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.59
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.59
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.59
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.82
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.82
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.82
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.82
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.04	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.02	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.07	0.01	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.07	0.04	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.04	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0.01	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	-0.01	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3A

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.05	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0.06	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.03	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.08	0.04	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.1	0.07	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.05	0.04	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.08	0.01	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.1	0.01	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.05	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.07	0.02	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.07	0.04	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.04	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.03	0.03	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.03	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.03	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.06	0.06	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.06	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.06	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.04	0.04	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.04	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.04	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.03	0.02	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.03	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.03	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.02	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.09	0.08	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.09	0.01	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.09	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3A

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.08	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.05	0.04	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.05	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.05	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.04	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3B

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.24	0.1	469
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.03	0.08	1064
HVAC	RWINSL	MF	RET	R_WINSL	1	0.41	0.17	469
HVAC	RWINSL	SF	RET	R_WINSL	1	0.71	0.46	1064
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.06	123
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.01	123
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.07	273
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.05	273
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.01	0	1.13
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.11	0	1.13
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.01	0	1.13
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.03	1.12
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.12
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.27	1.01
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	1.01
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.04	1.12
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.12
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.24	0.05	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.05	0.02	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.03	0	1
HVAC	RINFL	MF	RET	R_INFL	1	0.41	0.25	1
HVAC	RINFL	MH	RET	R_INFL	1	0.59	0.35	1
HVAC	RINFL	SF	RET	R_INFL	1	0.71	0.42	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.03	0	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.18	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.07	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3B

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.03	0	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.35	0.17	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.08	0.01	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.11	0.03	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	-0.42	-0.13	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.01	0	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.52	0.16	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.86	0.26	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.92	0.28	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.04	0.02	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.18	0.09	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.07	0.04	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.01	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.08	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.01	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.03	0.99
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0	0.99
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.99
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.99
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.17	0.92
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.02	0.92
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.92
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.92
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.06	0.99
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.01	0.99
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.99
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.99
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.24	0.06	511
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.03	0.02	1386
HVAC	RAINSL	MF	RET	R_AINSL	1	0.41	0	511
HVAC	RAINSL	SF	RET	R_AINSL	1	0.71	0.46	1386
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3B

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3B

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3B

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3B

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3B

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.04	0.04	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.04	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.04	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.04	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.2	0.2	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.2	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.2	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.42	0.42	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3B

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.42	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.42	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.43	0.43	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.43	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.43	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.05	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.06	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.23	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.26	0.05	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.41	0.08	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.18	0.04	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.74
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.74
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.74
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.74
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.59
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.59
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.59
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.59
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.82
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.82
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.82
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.82
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.04	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.02	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.07	0.01	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.07	0.04	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.04	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0.01	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	-0.01	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 3B

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.05	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0.06	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.03	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.08	0.04	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.1	0.07	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.05	0.04	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.08	0.01	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.1	0.01	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.05	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.07	0.02	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.07	0.04	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.04	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.03	0.03	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.03	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.03	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.06	0.06	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.06	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.06	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.04	0.04	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.04	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.04	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.03	0.02	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.03	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.03	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.02	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.09	0.08	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.09	0.01	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.09	0	1

PG&E Existing Residential Buildings  
 Electric Applicability, Base Share, and Technology Density for Climate Zone 3B

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.08	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.05	0.04	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.05	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.05	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.04	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 4

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.25	0.16	462.7
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.03	0.12	1180
HVAC	RWINSL	MF	RET	R_WINSL	1	0.27	0.17	462.7
HVAC	RWINSL	SF	RET	R_WINSL	1	0.69	0.46	1180
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.24	88
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.09	88
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.26	219
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.23	219
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.03	0	1.25
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.05	0	1.25
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.01	0	1.25
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.17	1.21
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.21
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.15	1.19
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	1.19
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.15	1.23
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.23
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.25	0.04	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.03	0.01	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.03	0	1
HVAC	RINFL	MF	RET	R_INFL	1	0.27	0.16	1
HVAC	RINFL	MH	RET	R_INFL	1	0.57	0.34	1
HVAC	RINFL	SF	RET	R_INFL	1	0.69	0.41	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.16	0	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.4	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.34	0.02	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 4

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.17	0	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.46	0.06	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.38	0.03	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.16	0.05	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.05	0.02	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.04	0.01	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.45	0.14	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.86	0.26	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.9	0.27	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.18	0.09	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.4	0.2	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.35	0.18	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.03	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.14	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.03	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.15	0.97
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.02	0.97
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.97
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.97
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.36	0.86
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.04	0.86
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.86
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.86
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.31	0.97
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.03	0.97
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.97
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.97
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.25	0.1	512
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.03	0.02	1456
HVAC	RAINSL	MF	RET	R_AINSL	1	0.27	0.03	512
HVAC	RAINSL	SF	RET	R_AINSL	1	0.69	0.52	1456
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 4

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 4

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 4

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 4

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 4

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.15	0.15	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.15	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.15	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.15	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.37	0.37	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.37	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.37	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.86	0.86	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 4

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.86	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.86	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.56	0.56	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.56	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.56	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.03	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.04	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.34	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.18	0.04	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.34	0.07	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.09	0.02	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.82
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.82
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.82
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.82
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.66
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.66
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.66
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.66
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.91
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.91
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.91
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.91
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.02	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.05	0.02	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.23	0.12	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.03	0.01	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.15	1



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 4

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.16	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0.04	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.02	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.09	0.06	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.35	0.16	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.04	0.03	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.09	0.01	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.35	0.02	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.04	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.05	0.01	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.23	0.09	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.03	0.01	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.05	0.05	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.05	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.05	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.15	0.15	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.15	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.15	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.04	0.04	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.04	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.04	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.03	0.03	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.03	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.03	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.03	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.33	0.31	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.33	0.02	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.33	0	1

PG&E Existing Residential Buildings  
 Electric Applicability, Base Share, and Technology Density for Climate Zone 4

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.31	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0.02	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.04	0.04	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.04	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.04	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.04	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 5

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.11	0.06	462.7
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.12	0.59	1180
HVAC	RWINSL	MF	RET	R_WINSL	1	0.57	0.3	462.7
HVAC	RWINSL	SF	RET	R_WINSL	1	0.51	0.46	1180
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.15	88
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.03	88
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.14	219
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.08	219
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.01	0	1
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.04	0	1
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.02	0	1
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.01	0.99
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	0.99
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.09	0.96
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	0.96
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.08	0.98
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	0.98
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.11	0.04	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.07	0.03	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.12	0.02	1
HVAC	RINFL	MF	RET	R_INFL	1	0.57	0.34	1
HVAC	RINFL	MH	RET	R_INFL	1	0.53	0.32	1
HVAC	RINFL	SF	RET	R_INFL	1	0.51	0.3	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.18	0	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.05	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.15	0.01	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 5

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.19	0.01	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.05	0	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.15	0	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.05	0.02	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.11	0.03	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.06	0.02	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.8	0.24	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.84	0.25	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.74	0.22	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.18	0.09	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.05	0.02	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.15	0.08	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.08	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.02	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.03	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.16	0.92
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.02	0.92
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.92
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.92
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.04	0.98
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0	0.98
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.98
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.98
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.13	0.97
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.01	0.97
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.97
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.97
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.11	0.07	512
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.12	0.11	1456
HVAC	RAINSL	MF	RET	R_AINSL	1	0.57	0.1	512
HVAC	RAINSL	SF	RET	R_AINSL	1	0.51	0.46	1456
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 5

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 5

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 5

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 5

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 5

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.03	0.03	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.03	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.03	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.03	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.06	0.06	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.06	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.06	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.65	0.65	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 5

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.65	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.65	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.26	0.26	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.26	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.26	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.18	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.13	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.32	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.44	0.09	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.45	0.09	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.2	0.04	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.56
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.56
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.56
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.56
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.56
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.56
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.56
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.56
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.8
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.8
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.8
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.8
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.05	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.06	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.07	0.05	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.1	0.05	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.15	0.07	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.05	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.08	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 5

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.07	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.12	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.1	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.1	0.05	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.15	0.12	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.22	0.15	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.1	0.01	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.15	0.01	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.22	0.02	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.07	0.02	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.1	0.06	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.15	0.08	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.04	0.04	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.04	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.04	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.06	0.06	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.06	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.06	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.17	0.17	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.17	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.17	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.05	0.05	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.05	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.05	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.05	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.1	0.09	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.1	0.01	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.1	0	1

PG&E Existing Residential Buildings  
 Electric Applicability, Base Share, and Technology Density for Climate Zone 5

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.09	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.22	0.21	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.22	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.22	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.21	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 11

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.13	0.08	458
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.07	0.28	1180.5
HVAC	RWINSL	MF	RET	R_WINSL	1	0.32	0.21	458
HVAC	RWINSL	SF	RET	R_WINSL	1	0.31	0.27	1180.5
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.73	110
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.23	110
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.38	260
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.55	260
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.37	0	1.2
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.28	0	1.2
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.06	0	1.2
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.68	0.76
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	0.76
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.49	0.86
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	0.86
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.29	1.13
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.13
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.13	0.09	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.14	0.09	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.07	0.02	1
HVAC	RINFL	MF	RET	R_INFL	1	0.32	0.19	1
HVAC	RINFL	MH	RET	R_INFL	1	0.25	0.15	1
HVAC	RINFL	SF	RET	R_INFL	1	0.31	0.19	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.06	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0.09	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.05	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.26	0	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.38	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.58	0.09	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 11

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.3	0.04	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.67	0.29	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.64	0.06	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.19	0.06	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.02	0	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.11	0.03	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.69	0.21	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.46	0.14	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.59	0.18	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.32	0.16	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.48	0.24	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.63	0.32	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.14	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.22	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.12	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.23	0.86
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.03	0.86
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.86
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.86
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.35	0.78
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.04	0.78
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.78
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.78
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.52	0.88
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.06	0.88
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.88
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.88
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.13	0.05	580
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.07	0.06	1273
HVAC	RAINSL	MF	RET	R_AINSL	1	0.32	0.07	580
HVAC	RAINSL	SF	RET	R_AINSL	1	0.31	0.26	1273
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 11

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 11

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 11

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 11

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 11

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Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.21	0.21	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.21	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.21	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.21	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.07	0.07	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.07	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.07	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.75	0.75	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 11

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.75	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.75	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.6	0.6	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.6	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.6	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.01	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.18	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.27	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.55	0.11	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.58	0.12	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.2	0.04	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.46
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.46
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.46
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.46
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.42
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.42
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.42
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.42
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.8
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.8
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.8
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.8
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.02	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.06	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.12	0.02	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.18	0.11	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.14	0.07	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.13	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.11	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.18	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 11

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.15	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.12	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.11	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0.02	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.25	0.11	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.33	0.24	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.25	0.17	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.25	0.01	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.33	0.02	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.25	0.01	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.12	0.05	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.18	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.14	0.07	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.06	0.06	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.06	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.06	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.19	0.19	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.19	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.19	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.17	0.17	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.17	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.17	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.03	0.03	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.03	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.03	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.03	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.27	0.26	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.27	0.01	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.27	0	1

PG&E Existing Residential Buildings  
 Electric Applicability, Base Share, and Technology Density for Climate Zone 11

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.26	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.25	0.23	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.25	0.02	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.25	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.23	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.02	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 12

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.14	0.08	495
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.02	0.08	1131
HVAC	RWINSL	MF	RET	R_WINSL	1	0.3	0.16	495
HVAC	RWINSL	SF	RET	R_WINSL	1	0.5	0.42	1131
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.63	156
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.17	156
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.36	290
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.52	290
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.1	0	1.16
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.23	0	1.16
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.03	0	1.16
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.26	1.05
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.05
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.56	0.89
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	0.89
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.19	1.13
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.13
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.14	0.06	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.13	0.05	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.02	0	1
HVAC	RINFL	MF	RET	R_INFL	1	0.3	0.18	1
HVAC	RINFL	MH	RET	R_INFL	1	0.28	0.17	1
HVAC	RINFL	SF	RET	R_INFL	1	0.5	0.3	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.02	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.03	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.51	0.01	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.33	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.68	0.06	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 12

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.6	0.09	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.58	0.26	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.74	0.06	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.2	0.06	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.19	0.06	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.03	0.01	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.6	0.18	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.44	0.13	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.87	0.26	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.53	0.26	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.33	0.16	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.71	0.35	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.19	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.13	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.1	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.46	0.81
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.05	0.81
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.81
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.81
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.29	0.87
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.03	0.87
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.87
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.87
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.61	0.9
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.07	0.9
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.9
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.9
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.14	0.04	648
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.02	0.02	1273
HVAC	RAINSL	MF	RET	R_AINSL	1	0.3	0.09	648
HVAC	RAINSL	SF	RET	R_AINSL	1	0.5	0.4	1273
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 12

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 12

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 12

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 12

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 12

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.17	0.17	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.17	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.17	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.17	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.25	0.25	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.25	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.25	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.59	0.59	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 12

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.59	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.59	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.6	0.6	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.6	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.6	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.04	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.15	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.3	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.38	0.08	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.41	0.08	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.15	0.03	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.62
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.62
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.62
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.62
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.59
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.59
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.59
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.59
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.85
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.85
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.85
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.85
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.03	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.03	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.05	0.01	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.05	0.03	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.04	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.05	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.04	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 12

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.03	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.04	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.04	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.1	0.04	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.08	0.05	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.08	0.05	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.1	0	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.08	0.01	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.08	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.05	0.01	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.05	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.04	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.05	0.05	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.05	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.05	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.04	0.04	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.04	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.04	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.06	0.06	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.06	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.06	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.03	0.03	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.03	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.03	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.03	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.06	0.06	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.06	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.06	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 12

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.06	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.07	0.07	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.07	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.07	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.07	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.05	0.04	458
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.05	0.18	1180.5
HVAC	RWINSL	MF	RET	R_WINSL	1	0.53	0.41	458
HVAC	RWINSL	SF	RET	R_WINSL	1	0.45	0.37	1180.5
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.84	110
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.09	110
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.59	260
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.37	260
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.12	0	1.03
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.21	0	1.03
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.08	0	1.03
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.24	0.9
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	0.9
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.42	0.81
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	0.81
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.26	0.95
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	0.95
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.05	0.03	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.01	0	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.05	0.02	1
HVAC	RINFL	MF	RET	R_INFL	1	0.53	0.32	1
HVAC	RINFL	MH	RET	R_INFL	1	0.53	0.32	1
HVAC	RINFL	SF	RET	R_INFL	1	0.45	0.27	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.02	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.74	0.06	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.39	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.72	0.09	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.83	0.09	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.84	0.45	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.85	0.13	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.04	0.01	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.01	0	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.08	0.02	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.87	0.26	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.67	0.2	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.79	0.24	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.75	0.37	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.39	0.2	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.74	0.37	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.38	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.2	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.23	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.66	0.62
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.07	0.62
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.62
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.62
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.35	0.8
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.04	0.8
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.8
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.8
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.65	0.77
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.07	0.77
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.77
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.77
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.05	0.02	580
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.05	0.04	1273
HVAC	RAINSL	MF	RET	R_AINSL	1	0.53	0.24	580
HVAC	RAINSL	SF	RET	R_AINSL	1	0.45	0.37	1273
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.2	0.2	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.2	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.2	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.2	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.15	0.15	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.15	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.15	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.4	0.4	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.4	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.4	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.46	0.46	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.46	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.46	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.02	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.11	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.19	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.51	0.1	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.5	0.1	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.32	0.06	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.49
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.49
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.49
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.49
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.5
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.5
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.5
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.5
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.68
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.68
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.68
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.68
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.06	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.05	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.02	0.01	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.13	0.09	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.04	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	-0.01	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0.03	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.07	1



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.08	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0.02	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.03	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.03	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.04	0.01	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.17	0.1	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.06	0.05	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.04	0	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.17	0.01	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.06	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.02	0	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.13	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.04	0.01	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.02	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.02	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.02	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.07	0.07	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.07	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.07	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.04	0.04	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.04	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.04	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.01	0.01	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.01	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.01	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.01	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.13	0.13	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.13	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.13	0	1

PG&E Existing Residential Buildings  
 Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.13	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.06	0.06	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.06	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.06	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.06	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.11	0.04	495
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.04	0.12	1131
HVAC	RWINSL	MF	RET	R_WINSL	1	0.34	0.13	495
HVAC	RWINSL	SF	RET	R_WINSL	1	0.29	0.25	1131
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.69	156
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.12	156
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.34	290
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.31	290
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.22	0	1.2
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.11	0	1.2
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.04	0	1.2
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.44	0.94
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	0.94
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.25	1.07
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	1.07
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.2	1.15
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.15
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.11	0.07	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.03	0.02	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.04	0.01	1
HVAC	RINFL	MF	RET	R_INFL	1	0.34	0.2	1
HVAC	RINFL	MH	RET	R_INFL	1	0.12	0.07	1
HVAC	RINFL	SF	RET	R_INFL	1	0.29	0.18	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.03	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.35	0.02	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.23	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.32	0.02	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.4	0.05	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.7	0.47	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.51	0.19	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.1	0.03	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.06	0.02	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.03	0.01	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.67	0.2	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.21	0.06	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.46	0.14	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.36	0.18	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.23	0.12	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.35	0.18	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.17	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.1	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.07	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.32	0.83
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.04	0.83
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.83
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.83
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.21	0.9
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.02	0.9
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.9
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.9
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.29	0.93
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.03	0.93
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.93
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.93
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.11	0.02	648
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.04	0.03	1456
HVAC	RAINSL	MF	RET	R_AINSL	1	0.34	0.05	648
HVAC	RAINSL	SF	RET	R_AINSL	1	0.29	0.26	1456
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

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Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11



PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.19	0.19	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.19	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.19	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.19	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.08	0.08	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.08	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.08	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.41	0.41	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.41	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.41	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.36	0.36	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.36	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.36	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.05	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.08	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.27	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.5	0.1	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.43	0.09	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.21	0.04	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.51
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.51
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.51
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.51
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.57
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.57
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.57
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.57
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.79
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.79
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.79
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.79
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.04	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.06	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.07	0.01	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.06	0.03	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.12	0.05	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.08	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.07	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.06	1

PG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.05	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.1	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.09	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.15	0.06	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.1	0.08	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.19	0.12	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.15	0.01	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.1	0.01	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.19	0.01	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.07	0.01	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.06	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.12	0.05	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.08	0.08	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.08	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.08	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.05	0.05	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.05	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.05	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.12	0.12	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.12	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.12	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.02	0.02	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.02	0.01	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.02	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.02	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.09	0.09	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.09	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.09	0	1

PG&E Existing Residential Buildings  
 Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.09	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.18	0.17	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.18	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.18	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.17	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

PG&E Existing Residential Buildings  
Gas Applicability, Base Share, and Technology Density

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RGASF1	MF	RET	R_GFURN_90_1	1	0.23	0	1
HVAC	RGASF1	MH	RET	R_GFURN_90_1	1	0.18	0	1
HVAC	RGASF1	SF	RET	R_GFURN_90_1	1	0.13	0.01	1
HVAC	RGASF	MF	ROB	R_GFURN_80	1	1	0.59	0.62
HVAC	RGASF	MF	ROB	R_GFURN_90	2	1	0.01	0.62
HVAC	RGASF	MF	ROB	R_GFURN_94	3	1	0	0.62
HVAC	RGASF	MH	ROB	R_GFURN_80	1	1	0.43	0.59
HVAC	RGASF	MH	ROB	R_GFURN_90	2	1	0.01	0.59
HVAC	RGASF	MH	ROB	R_GFURN_94	3	1	0	0.59
HVAC	RGASF	SF	ROB	R_GFURN_80	1	1	0.83	0.85
HVAC	RGASF	SF	ROB	R_GFURN_90	2	1	0.04	0.85
HVAC	RGASF	SF	ROB	R_GFURN_94	3	1	0	0.85
Msc	RDRY_G	MF	NEW	R_CD_Base_G	1	0.03	0.03	1
Msc	RDRY_G	MF	NEW	R_CD_EF_G	2	0.03	0	1
Msc	RDRY_G	MF	ROB	R_CD_Base_G	1	1	0.03	1
Msc	RDRY_G	MF	ROB	R_CD_EF_G	2	1	0	1
Msc	RDRY_G	MH	NEW	R_CD_Base_G	1	0.03	0.02	1
Msc	RDRY_G	MH	NEW	R_CD_EF_G	2	0.03	0	1
Msc	RDRY_G	MH	ROB	R_CD_Base_G	1	1	0.02	1
Msc	RDRY_G	MH	ROB	R_CD_EF_G	2	1	0	1
Msc	RDRY_G	SF	NEW	R_CD_Base_G	1	0.25	0.25	1
Msc	RDRY_G	SF	NEW	R_CD_EF_G	2	0.25	0	1
Msc	RDRY_G	SF	ROB	R_CD_Base_G	1	1	0.25	1
Msc	RDRY_G	SF	ROB	R_CD_EF_G	2	1	0	1
WHeat	RWH_G	MF	ROB	R_WH_0.6_G	1	1	0.26	1
WHeat	RWH_G	MF	ROB	R_WH_0.63_G	2	1	0.21	1
WHeat	RWH_G	MF	ROB	R_WH_POU_G	3	1	0	1
WHeat	RWH_G	MH	ROB	R_WH_0.6_G	1	1	0.21	1
WHeat	RWH_G	MH	ROB	R_WH_0.63_G	2	1	0.18	1
WHeat	RWH_G	MH	ROB	R_WH_POU_G	3	1	0.02	1
WHeat	RWH_G	SF	ROB	R_WH_0.6_G	1	1	0.43	1
WHeat	RWH_G	SF	ROB	R_WH_0.63_G	2	1	0.37	1
WHeat	RWH_G	SF	ROB	R_WH_POU_G	3	1	0.02	1
WHeat	RWHW_G	MF	RET	R_WH_WHW_G	1	0.24	0.05	1
WHeat	RWHW_G	MH	RET	R_WH_WHW_G	1	0.27	0.14	1

PG&E Existing Residential Buildings  
Gas Applicability, Base Share, and Technology Density

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWHW_G	SF	RET	R_WH_WHW_G	1	0.47	0.25	1
WHeat	RWHBC	MF	RET	R_WH_BC_G	1	0.41	0.02	0.13
WHeat	RSHW_G	MF	RET	R_WH_ShW_G	1	0.48	0.22	1
WHeat	RSHW_G	MH	RET	R_WH_ShW_G	1	0.41	0.25	1
WHeat	RSHW_G	SF	RET	R_WH_ShW_G	1	0.82	0.56	1
WHeat	RPW_G	MF	RET	R_WH_PW_G	1	0.48	0.02	1
WHeat	RPW_G	MH	RET	R_WH_PW_G	1	0.41	0.03	1
WHeat	RPW_G	SF	RET	R_WH_PW_G	1	0.82	0.05	1
WHeat	RFA_G	MF	RET	R_WH_FA_G	1	0.24	0.06	1
WHeat	RFA_G	MH	RET	R_WH_FA_G	1	0.27	0	1
WHeat	RFA_G	SF	RET	R_WH_FA_G	1	0.47	0.24	1
WHeat	RDW_G	MF	NEW	R_DW_0.46_G	1	0.25	0.25	1
WHeat	RDW_G	MF	NEW	R_DW_0.58_G	2	0.25	0	1
WHeat	RDW_G	MF	ROB	R_DW_0.46_G	1	1	0.25	1
WHeat	RDW_G	MF	ROB	R_DW_0.58_G	2	1	0	1
WHeat	RDW_G	MH	NEW	R_DW_0.46_G	1	0.25	0.2	1
WHeat	RDW_G	MH	NEW	R_DW_0.58_G	2	0.25	0	1
WHeat	RDW_G	MH	ROB	R_DW_0.46_G	1	1	0.2	1
WHeat	RDW_G	MH	ROB	R_DW_0.58_G	2	1	0	1
WHeat	RDW_G	SF	NEW	R_DW_0.46_G	1	0.67	0.67	1
WHeat	RDW_G	SF	NEW	R_DW_0.58_G	2	0.67	0	1
WHeat	RDW_G	SF	ROB	R_DW_0.46_G	1	1	0.67	1
WHeat	RDW_G	SF	ROB	R_DW_0.58_G	2	1	0	1
WHeat	RCW_G	MF	NEW	R_CW_1.04_G	1	0.15	0.14	1
WHeat	RCW_G	MF	NEW	R_CW_1.42_G	2	0.15	0.01	1
WHeat	RCW_G	MF	NEW	R_CW_1.60_G	3	0.15	0	1
WHeat	RCW_G	MF	ROB	R_CW_1.04_G	1	1	0.14	1
WHeat	RCW_G	MF	ROB	R_CW_1.42_G	2	1	0.01	1
WHeat	RCW_G	MF	ROB	R_CW_1.60_G	3	1	0	1
WHeat	RCW_G	MH	NEW	R_CW_1.04_G	1	0.15	0.31	1
WHeat	RCW_G	MH	NEW	R_CW_1.42_G	2	0.15	0	1
WHeat	RCW_G	MH	NEW	R_CW_1.60_G	3	0.15	0	1
WHeat	RCW_G	MH	ROB	R_CW_1.04_G	1	1	0.31	1
WHeat	RCW_G	MH	ROB	R_CW_1.42_G	2	1	0	1
WHeat	RCW_G	MH	ROB	R_CW_1.60_G	3	1	0	1

PG&E Existing Residential Buildings  
 Gas Applicability, Base Share, and Technology Density

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_G	SF	NEW	R_CW_1.04_G	1	0.78	0.69	1
WHeat	RCW_G	SF	NEW	R_CW_1.42_G	2	0.78	0.09	1
WHeat	RCW_G	SF	NEW	R_CW_1.60_G	3	0.78	0	1
WHeat	RCW_G	SF	ROB	R_CW_1.04_G	1	1	0.69	1
WHeat	RCW_G	SF	ROB	R_CW_1.42_G	2	1	0.09	1
WHeat	RCW_G	SF	ROB	R_CW_1.60_G	3	1	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 6

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.17	0.09	469
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.02	0.06	1064
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.25	123
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.04	123
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.25	273
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.11	273
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.02	0	1.16
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.01	0	1.16
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.01	0	1.16
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.1	1.13
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.13
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.02	1.15
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	1.15
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.09	1.15
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.15
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.17	0.04	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.01	0.01	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.02	0	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.02	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.16	0	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.2	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.3	0.01	1
HVAC	REVAP	MF	RET	R_EVAP	1	0.16	0	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.25	0.05	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.3	0.01	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.11	0.03	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.02	0.01	1



SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 6

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.01	0	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.18	0.09	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.2	0.1	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.3	0.15	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.04	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.08	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.03	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.14	0.96
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.02	0.96
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.96
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.96
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.18	0.92
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.02	0.92
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.92
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.92
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.27	0.97
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.03	0.97
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.97
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.97
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.17	0.04	511
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.02	0.01	1386
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 6

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 6

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 6

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 6

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 6

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.12	0.12	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.12	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.12	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.12	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.2	0.2	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.2	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.2	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.2	0.2	1
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.2	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.2	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.19	0.19	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.19	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.19	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.03	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.08	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.3	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 6

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.25	0.05	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.39	0.08	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.1	0.02	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.75
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.75
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.75
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.75
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.61
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.61
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.61
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.61
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.91
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.91
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.91
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.91
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.01	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.08	0.02	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.02	0.01	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.04	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.06	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.05	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0.01	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.01	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0.02	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.03	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.12	0.08	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.03	0.02	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.05	0.04	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.12	0.01	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.03	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 6

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RPW	SF	RET	R_WH_PW	1	0.05	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.08	0.03	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.02	0.01	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.04	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.06	0.06	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.06	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.06	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.02	0.02	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.02	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.02	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.04	0.04	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.04	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.04	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.04	0.03	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.04	0.01	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.04	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.03	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.02	0.02	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.02	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.02	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.02	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.05	0.05	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.05	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.05	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.05	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1



SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 8

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.06	0.03	458
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.02	0.05	1180.5
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.36	110
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.12	110
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.29	260
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.19	260
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.1	0	1.14
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.06	0	1.14
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.05	0	1.14
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.27	1.02
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.02
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.15	1.08
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	1.08
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.18	1.09
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.09
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.06	0.02	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.01	0	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.02	0	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.02	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.22	0	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.49	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.3	0.01	1
HVAC	REVAP	MF	RET	R_EVAP	1	0.23	0.01	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.63	0.14	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.3	0	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.04	0.01	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.01	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 8

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.02	0.01	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.24	0.12	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.49	0.24	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.3	0.15	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.08	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.18	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.08	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.2	0.92
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.02	0.92
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.92
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.92
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.44	0.82
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.05	0.82
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.82
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.82
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.27	0.92
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.03	0.92
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.92
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.92
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.06	0.01	580
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.02	0.01	1273
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 8

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 8

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 8

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 8

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 8

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.09	0.09	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.09	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.09	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.09	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.09	0.09	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.09	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.09	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.05	0.05	1
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.05	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.05	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.19	0.19	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.19	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.19	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.09	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.08	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.23	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 8

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.38	0.08	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.37	0.07	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.26	0.05	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.62
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.62
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.62
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.62
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.63
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.63
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.63
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.63
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.74
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.74
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.74
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.74
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.01	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.04	0.01	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0	0	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.02	0.01	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.03	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0.01	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.01	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.01	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shw	1	0.06	0.03	1
WHeat	RSHW	MH	RET	R_WH_Shw	1	0	0	1
WHeat	RSHW	SF	RET	R_WH_Shw	1	0.02	0.01	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.06	0	1
WHeat	RPW	MH	RET	R_WH_PW	1	0	0	1



SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 8

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RPW	SF	RET	R_WH_PW	1	0.02	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.04	0.01	1
WHeat	RFA	MH	RET	R_WH_FA	1	0	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.02	0.01	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.02	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.02	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.02	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.01	0.01	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.01	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.01	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.01	0.01	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.01	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.01	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.01	0.01	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.01	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.01	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.01	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.02	0.02	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.02	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.02	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.02	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.02	0.02	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.02	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.02	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.02	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 9

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.12	0.07	495
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.03	0.09	1131
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.52	156
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.15	156
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.53	290
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.22	290
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.1	0	1.17
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.11	0	1.17
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.06	0	1.17
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.37	1.05
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.05
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.21	1.04
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	1.04
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.28	1.1
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.1
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.12	0.03	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.01	0.01	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.03	0.01	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.04	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.32	0.01	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.54	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.52	0.03	1
HVAC	REVAP	MF	RET	R_EVAP	1	0.34	0.03	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.75	0.21	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.53	0.02	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.08	0.02	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.02	0.01	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 9

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.04	0.01	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.36	0.18	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.54	0.27	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.52	0.26	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.09	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.28	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.11	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.28	0.91
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.03	0.91
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.91
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.91
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.48	0.72
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.05	0.72
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.72
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.72
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.47	0.89
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.05	0.89
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.89
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.89
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.12	0.02	648
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.03	0.02	1273
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 9

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 9

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 9

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 9

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 9

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.13	0.13	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.13	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.13	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.13	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.07	0.07	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.07	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.07	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.06	0.06	1
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.06	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.06	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.12	0.12	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.12	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.12	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.05	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.08	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.23	0	1



SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 9

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.28	0.06	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.52	0.1	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.21	0.04	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.72
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.72
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.72
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.72
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.48
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.48
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.48
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.48
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.79
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.79
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.79
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.79
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.02	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.01	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.06	0.01	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0	0	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.01	0.01	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.03	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0.02	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.01	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.01	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shw	1	0.07	0.04	1
WHeat	RSHW	MH	RET	R_WH_Shw	1	0	0	1
WHeat	RSHW	SF	RET	R_WH_Shw	1	0.02	0.01	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.07	0.01	1
WHeat	RPW	MH	RET	R_WH_PW	1	0	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 9

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RPW	SF	RET	R_WH_PW	1	0.02	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.06	0.02	1
WHeat	RFA	MH	RET	R_WH_FA	1	0	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.01	0.01	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.02	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.02	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.02	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.03	0.03	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.03	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.03	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.01	0.01	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.01	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.01	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.01	0.01	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.01	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.01	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.01	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.04	0.04	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.04	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.04	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.04	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.02	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.02	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.02	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.14	0.09	535
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.03	0.11	996
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.7	133
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.19	133
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.52	244
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.34	244
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.13	0	1.13
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.18	0	1.13
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.02	0	1.13
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.37	0.98
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	0.98
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.37	0.93
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	0.93
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.19	1.1
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.1
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.14	0.06	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.03	0.01	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.03	0.01	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.02	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.03	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.53	0.03	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.45	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.7	0.07	1
HVAC	REVAP	MF	RET	R_EVAP	1	0.56	0.03	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.78	0.33	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.74	0.05	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.21	0.06	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.04	0.01	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.07	0.02	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.55	0.28	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.46	0.23	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.73	0.36	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.19	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.22	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.09	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.47	0.81
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.05	0.81
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.81
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.81
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.41	0.78
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.05	0.78
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.78
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.78
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.63	0.91
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.07	0.91
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.91
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.91
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.14	0.05	632
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.03	0.03	1556
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66



SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.19	0.19	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.19	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.19	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.19	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.13	0.13	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.13	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.13	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.23	0.23	1
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.23	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.23	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.22	0.22	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.22	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.22	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.01	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.11	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.29	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.36	0.07	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.49	0.1	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.13	0.03	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.64
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.64
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.64
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.64
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.51
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.51
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.51
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.51
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.87
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.87
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.87
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.87
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.04	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.02	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.04	0	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.03	0.01	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.04	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.03	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.03	1
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.04	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.04	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0.01	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.07	0.04	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.05	0.04	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.09	0.06	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.07	0	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.05	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RPW	SF	RET	R_WH_PW	1	0.09	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.04	0.01	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.03	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.04	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.05	0.05	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.05	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.05	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.03	0.03	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.03	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.03	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.07	0.07	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.07	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.07	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.02	0.02	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.02	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.02	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.02	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.04	0.04	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.04	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.04	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.04	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.09	0.08	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.09	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.09	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.08	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.05	0.04	458
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.05	0.18	1180.5
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.84	110
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.09	110
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.59	260
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.37	260
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.12	0	1.03
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.21	0	1.03
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.08	0	1.03
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.24	0.9
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	0.9
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.42	0.81
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	0.81
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.26	0.95
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	0.95
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.05	0.03	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.01	0	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.05	0.02	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.02	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.74	0.06	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.39	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.72	0.09	1
HVAC	REVAP	MF	RET	R_EVAP	1	0.83	0.09	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.84	0.45	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.85	0.13	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.04	0.01	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.01	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.08	0.02	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.75	0.37	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.39	0.2	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.74	0.37	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.38	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.2	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.23	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.66	0.62
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.07	0.62
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.62
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.62
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.35	0.8
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.04	0.8
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.8
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.8
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.65	0.77
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.07	0.77
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.77
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.77
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.05	0.02	580
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.05	0.04	1273
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1



SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.2	0.2	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.2	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.2	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.2	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.15	0.15	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.15	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.15	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.4	0.4	1
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.4	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.4	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.46	0.46	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.46	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.46	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.02	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.11	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.19	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.51	0.1	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.5	0.1	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.32	0.06	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.49
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.49
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.49
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.49
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.5
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.5
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.5
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.5
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.68
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.68
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.68
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.68
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.06	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.05	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.02	0.01	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.13	0.09	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.04	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	-0.01	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0.03	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.07	1
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.08	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0.02	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.03	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.03	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.04	0.01	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.17	0.1	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.06	0.05	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.04	0	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.17	0.01	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 13

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RPW	SF	RET	R_WH_PW	1	0.06	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.02	0	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.13	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.04	0.01	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.02	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.02	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.02	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.07	0.07	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.07	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.07	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.04	0.04	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.04	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.04	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.01	0.01	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.01	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.01	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.01	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.13	0.13	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.13	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.13	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.13	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.06	0.06	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.06	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.06	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.06	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.04	0.03	462.7
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.01	0.06	1180.5
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.88	99.6
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.12	99.6
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.38	219
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.57	219
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.07	0	1.24
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.24	0	1.24
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.05	0	1.24
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.18	1.15
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.15
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.48	0.94
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	0.94
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.2	1.18
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.18
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.04	0.03	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.08	0.04	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.01	0.01	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.22	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.6	0.09	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.34	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.71	0.05	1
HVAC	REVAP	MF	RET	R_EVAP	1	0.6	0	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.87	0.52	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.94	0.23	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.03	0.01	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.12	0.04	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.02	0.01	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.82	0.41	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.35	0.18	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.72	0.36	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.23	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.17	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.18	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.54	0.77
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.06	0.77
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.77
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.77
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.31	0.83
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.03	0.83
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.83
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.83
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.64	0.82
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.07	0.82
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.82
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.82
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.04	0.01	512
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.01	0.01	1273
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58



SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.07	0.07	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.07	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.07	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.07	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.17	0.17	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.17	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.17	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.48	0.48	1
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.48	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.48	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.29	0.29	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.29	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.29	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.01	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.17	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.35	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.39	0.08	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.51	0.1	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.26	0.05	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.61
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.61
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.61
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.61
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.5
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.5
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.5
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.5
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.74
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.74
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.74
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.74
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.02	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.01	0	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.03	0.02	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.04	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.01	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.03	1
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.06	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.05	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.03	0.02	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.05	0.04	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.11	0.08	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.03	0	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.05	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RPW	SF	RET	R_WH_PW	1	0.11	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.01	0	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.03	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.04	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.02	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.02	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.02	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.02	0.02	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.02	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.02	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.09	0.09	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.09	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.09	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.01	0.01	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.01	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.01	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.01	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.04	0.03	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.04	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.04	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.03	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.1	0.1	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.1	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.1	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.1	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 15

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.12	0.1	535
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.04	0.15	996
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.79	133
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.2	133
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.55	244
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.44	244
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.05	0	1.5
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.11	0	1.5
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.05	0	1.5
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.14	1.42
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.42
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.26	1.33
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	1.33
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.26	1.43
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.43
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.12	0.05	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.02	0.01	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.04	0.01	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.03	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.84	0.01	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.89	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.92	0.06	1
HVAC	REVAP	MF	RET	R_EVAP	1	0.92	0.08	1
HVAC	REVAP	MH	RET	R_EVAP	1	1	0.45	1
HVAC	REVAP	SF	RET	R_EVAP	1	1	0.25	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.16	0.05	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 15

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.09	0.03	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.87	0.44	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.89	0.44	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.93	0.46	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.31	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.4	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.17	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.76	0.69
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.08	0.69
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.69
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.69
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.8	0.6
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.09	0.6
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.6
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.6
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.82	0.83
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.09	0.83
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.83
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.83
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.12	0.08	632
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.04	0.03	1556
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 15

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82



SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 15

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 15

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 15

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 15

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.52	0.52	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.52	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.52	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.52	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.33	0.33	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.33	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.33	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.33	0.33	1
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.33	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.33	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.25	0.25	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.25	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.25	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.01	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.11	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.37	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 15

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.37	0.07	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.45	0.09	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.19	0.04	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.64
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.64
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.64
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.64
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.55
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.55
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.55
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.55
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.81
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.81
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.81
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.81
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.01	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.05	0.01	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.07	0.04	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.02	0.01	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.05	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.08	1
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.06	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.02	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0.01	1
WHeat	RSHW	MF	RET	R_WH_Shw	1	0.09	0.06	1
WHeat	RSHW	MH	RET	R_WH_Shw	1	0.14	0.07	1
WHeat	RSHW	SF	RET	R_WH_Shw	1	0.05	0.04	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.09	0	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.14	0.01	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 15

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RPW	SF	RET	R_WH_PW	1	0.05	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.05	0.03	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.07	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.02	0.01	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.07	0.07	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.07	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.07	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.08	0.08	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.08	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.08	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.05	0.05	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.05	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.05	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.04	0.04	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.04	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.04	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.04	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.12	0.12	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.12	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.12	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.12	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.05	0.05	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.05	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.05	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.05	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.11	0.04	495
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.04	0.12	1131
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.69	156
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.12	156
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.34	290
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.31	290
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.22	0	1.2
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.11	0	1.2
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.04	0	1.2
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.44	0.94
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	0.94
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.25	1.07
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	1.07
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.2	1.15
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.15
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.11	0.07	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.03	0.02	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.04	0.01	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.03	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.35	0.02	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.23	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.32	0.02	1
HVAC	REVAP	MF	RET	R_EVAP	1	0.4	0.05	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.7	0.47	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.51	0.19	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.1	0.03	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.06	0.02	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.03	0.01	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.36	0.18	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.23	0.12	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.35	0.18	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.17	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.1	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.07	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.32	0.83
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.04	0.83
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.83
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.83
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.21	0.9
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.02	0.9
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.9
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.9
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.29	0.93
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.03	0.93
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.93
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.93
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.11	0.02	648
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.04	0.03	1456
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23



SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.19	0.19	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.19	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.19	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.19	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.08	0.08	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.08	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.08	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.41	0.41	1
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.41	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.41	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.36	0.36	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.36	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.36	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.05	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.08	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.27	0	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.5	0.1	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.43	0.09	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.21	0.04	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.51
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.51
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.51
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.51
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.57
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.57
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.57
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.57
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.79
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.79
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.79
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.79
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.04	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.06	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.07	0.01	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.06	0.03	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.12	0.05	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.08	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.07	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.06	1
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.05	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.1	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.09	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.15	0.06	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.1	0.08	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.19	0.12	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.15	0.01	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.1	0.01	1

SCE Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 16

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RPW	SF	RET	R_WH_PW	1	0.19	0.01	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.07	0.01	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.06	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.12	0.05	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.08	0.08	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.08	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.08	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.05	0.05	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.05	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.05	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.12	0.12	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.12	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.12	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.02	0.02	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.02	0.01	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.02	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.02	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.09	0.09	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.09	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.09	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.09	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.18	0.17	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.18	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.18	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.17	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

SCG Existing Residential Buildings  
Gas Applicability, Base Share, and Technology Density

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSL	MF	RET	R_WINSL	1	0.46	0.24	458
HVAC	RWINSL	SF	RET	R_WINSL	1	0.81	0.47	1180.5
HVAC	RINFL	MF	RET	R_INFL	1	0.46	0.28	1
HVAC	RINFL	MH	RET	R_INFL	1	0.7	0.42	1
HVAC	RINFL	SF	RET	R_INFL	1	0.81	0.48	1
HVAC	RGASF1	MF	RET	R_GFURN_90_1	1	0.25	0.01	1
HVAC	RGASF1	MH	RET	R_GFURN_90_1	1	0.36	0.01	1
HVAC	RGASF1	SF	RET	R_GFURN_90_1	1	0.24	0.01	1
HVAC	RGASF	MF	ROB	R_GFURN_80	1	1	0.65	0.62
HVAC	RGASF	MF	ROB	R_GFURN_90	2	1	0.01	0.62
HVAC	RGASF	MF	ROB	R_GFURN_94	3	1	0	0.62
HVAC	RGASF	MH	ROB	R_GFURN_80	1	1	0.96	0.63
HVAC	RGASF	MH	ROB	R_GFURN_90	2	1	0.02	0.63
HVAC	RGASF	MH	ROB	R_GFURN_94	3	1	0	0.63
HVAC	RGASF	SF	ROB	R_GFURN_80	1	1	0.9	0.74
HVAC	RGASF	SF	ROB	R_GFURN_90	2	1	0.05	0.74
HVAC	RGASF	SF	ROB	R_GFURN_94	3	1	0	0.74
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.66	0.2	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.98	0.29	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.94	0.28	1
HVAC	RAINSL	MF	RET	R_AINSL	1	0.46	0.09	580
HVAC	RAINSL	SF	RET	R_AINSL	1	0.81	0.5	1273
Msc	RDRY_G	MF	NEW	R_CD_Base_G	1	0.1	0.1	1
Msc	RDRY_G	MF	NEW	R_CD_EF_G	2	0.1	0	1
Msc	RDRY_G	MF	ROB	R_CD_Base_G	1	1	0.1	1
Msc	RDRY_G	MF	ROB	R_CD_EF_G	2	1	0	1
Msc	RDRY_G	MH	NEW	R_CD_Base_G	1	0.1	0.75	1
Msc	RDRY_G	MH	NEW	R_CD_EF_G	2	0.1	0	1
Msc	RDRY_G	MH	ROB	R_CD_Base_G	1	1	0.75	1
Msc	RDRY_G	MH	ROB	R_CD_EF_G	2	1	0	1
Msc	RDRY_G	SF	NEW	R_CD_Base_G	1	0.62	0.62	1
Msc	RDRY_G	SF	NEW	R_CD_EF_G	2	0.62	0	1
Msc	RDRY_G	SF	ROB	R_CD_Base_G	1	1	0.62	1
Msc	RDRY_G	SF	ROB	R_CD_EF_G	2	1	0	1
WHeat	RWH_G	MF	ROB	R_WH_0.6_G	1	1	0.25	1



SCG Existing Residential Buildings  
Gas Applicability, Base Share, and Technology Density

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH_G	MF	ROB	R_WH_0.63_G	2	1	0.22	1
WHeat	RWH_G	MF	ROB	R_WH_POU_G	3	1	0.01	1
WHeat	RWH_G	MH	ROB	R_WH_0.6_G	1	1	0.48	1
WHeat	RWH_G	MH	ROB	R_WH_0.63_G	2	1	0.41	1
WHeat	RWH_G	MH	ROB	R_WH_POU_G	3	1	0.02	1
WHeat	RWH_G	SF	ROB	R_WH_0.6_G	1	1	0.49	1
WHeat	RWH_G	SF	ROB	R_WH_0.63_G	2	1	0.42	1
WHeat	RWH_G	SF	ROB	R_WH_POU_G	3	1	0.02	1
WHeat	RWHW_G	MF	RET	R_WH_WHW_G	1	0.34	0.05	1
WHeat	RWHW_G	MH	RET	R_WH_WHW_G	1	0.66	0.19	1
WHeat	RWHW_G	SF	RET	R_WH_WHW_G	1	0.79	0.34	1
WHeat	RWHBC	MF	RET	R_WH_BC_G	1	0.49	0.02	0.13
WHeat	RSHW_G	MF	RET	R_WH_ShW_G	1	0.48	0.25	1
WHeat	RSHW_G	MH	RET	R_WH_ShW_G	1	0.91	0.62	1
WHeat	RSHW_G	SF	RET	R_WH_ShW_G	1	0.92	0.6	1
WHeat	RPW_G	MF	RET	R_WH_PW_G	1	0.48	0.03	1
WHeat	RPW_G	MH	RET	R_WH_PW_G	1	0.91	0.07	1
WHeat	RPW_G	SF	RET	R_WH_PW_G	1	0.92	0.08	1
WHeat	RFA_G	MF	RET	R_WH_FA_G	1	0.34	0.07	1
WHeat	RFA_G	MH	RET	R_WH_FA_G	1	0.66	0.29	1
WHeat	RFA_G	SF	RET	R_WH_FA_G	1	0.79	0.3	1
WHeat	RDW_G	MF	NEW	R_DW_0.46_G	1	0.16	0.16	1
WHeat	RDW_G	MF	NEW	R_DW_0.58_G	2	0.16	0	1
WHeat	RDW_G	MF	ROB	R_DW_0.46_G	1	1	0.16	1
WHeat	RDW_G	MF	ROB	R_DW_0.58_G	2	1	0	1
WHeat	RDW_G	MH	NEW	R_DW_0.46_G	1	0.16	0.52	1
WHeat	RDW_G	MH	NEW	R_DW_0.58_G	2	0.16	0	1
WHeat	RDW_G	MH	ROB	R_DW_0.46_G	1	1	0.52	1
WHeat	RDW_G	MH	ROB	R_DW_0.58_G	2	1	0	1
WHeat	RDW_G	SF	NEW	R_DW_0.46_G	1	0.43	0.43	1
WHeat	RDW_G	SF	NEW	R_DW_0.58_G	2	0.43	0	1
WHeat	RDW_G	SF	ROB	R_DW_0.46_G	1	1	0.43	1
WHeat	RDW_G	SF	ROB	R_DW_0.58_G	2	1	0	1
WHeat	RCW_G	MF	NEW	R_CW_1.04_G	1	0.11	0.1	1
WHeat	RCW_G	MF	NEW	R_CW_1.42_G	2	0.11	0.01	1

SCG Existing Residential Buildings  
Gas Applicability, Base Share, and Technology Density

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_G	MF	NEW	R_CW_1.60_G	3	0.11	0	1
WHeat	RCW_G	MF	ROB	R_CW_1.04_G	1	1	0.1	1
WHeat	RCW_G	MF	ROB	R_CW_1.42_G	2	1	0.01	1
WHeat	RCW_G	MF	ROB	R_CW_1.60_G	3	1	0	1
WHeat	RCW_G	MH	NEW	R_CW_1.04_G	1	0.11	0.76	1
WHeat	RCW_G	MH	NEW	R_CW_1.42_G	2	0.11	0.02	1
WHeat	RCW_G	MH	NEW	R_CW_1.60_G	3	0.11	0	1
WHeat	RCW_G	MH	ROB	R_CW_1.04_G	1	1	0.76	1
WHeat	RCW_G	MH	ROB	R_CW_1.42_G	2	1	0.02	1
WHeat	RCW_G	MH	ROB	R_CW_1.60_G	3	1	0	1
WHeat	RCW_G	SF	NEW	R_CW_1.04_G	1	0.84	0.77	1
WHeat	RCW_G	SF	NEW	R_CW_1.42_G	2	0.84	0.07	1
WHeat	RCW_G	SF	NEW	R_CW_1.60_G	3	0.84	0	1
WHeat	RCW_G	SF	ROB	R_CW_1.04_G	1	1	0.77	1
WHeat	RCW_G	SF	ROB	R_CW_1.42_G	2	1	0.07	1
WHeat	RCW_G	SF	ROB	R_CW_1.60_G	3	1	0	1

SDG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 7

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.22	0.15	469
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.02	0.07	1064
HVAC	RWINSL	MF	RET	R_WINSL	1	0.24	0.17	469
HVAC	RWINSL	SF	RET	R_WINSL	1	0.55	0.4	1064
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.24	123
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.02	123
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.21	273
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.1	273
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.03	0	1.18
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.03	0	1.18
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.01	0	1.18
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.08	1.15
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.15
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.08	1.14
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	1.14
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.05	1.17
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.17
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.22	0.08	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.29	0.11	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.02	0	1
HVAC	RINFL	MF	RET	R_INFL	1	0.24	0.15	1
HVAC	RINFL	MH	RET	R_INFL	1	0.4	0.24	1
HVAC	RINFL	SF	RET	R_INFL	1	0.55	0.33	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.03	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0.02	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.19	0	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.14	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.26	0.01	1

SDG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 7

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.2	0	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.17	0.03	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.27	0.01	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.22	0.07	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.02	0.01	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.01	0	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.45	0.13	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.56	0.17	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.93	0.28	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.22	0.11	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.16	0.08	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.26	0.13	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.06	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.06	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.04	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.17	0.94
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.02	0.94
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.94
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.94
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.13	0.94
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.01	0.94
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.94
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.94
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.23	0.96
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.03	0.96
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.96
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.96
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.22	0.06	511
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.02	0.02	1386
HVAC	RAINSL	MF	RET	R_AINSL	1	0.24	0.02	511
HVAC	RAINSL	SF	RET	R_AINSL	1	0.55	0.39	1386
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39

SDG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 7

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

SDG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 7

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69

SDG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 7

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

SDG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 7

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11



SDG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 7

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.16	0.16	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.16	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.16	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.16	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.21	0.21	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.21	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.21	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.43	0.43	1

SDG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 7

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.43	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.43	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.23	0.23	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.23	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.23	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.02	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.09	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.27	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.33	0.07	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.43	0.09	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.16	0.03	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.67
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.67
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.67
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.67
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.57
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.57
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.57
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.57
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.84
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.84
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.84
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.84
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.01	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.05	0	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.08	0.02	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.03	0.01	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0.03	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.06	1

SDG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 7

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.05	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.03	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.09	0.05	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.11	0.07	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.05	0.04	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.09	0	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.11	0.01	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.05	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.05	0.02	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.08	0.04	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.03	0.01	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.04	0.04	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.04	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.04	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.04	0.04	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.04	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.04	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.03	0.03	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.03	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.03	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.03	0.03	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.03	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.03	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.03	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.05	0.04	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.05	0.02	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.05	0	1

SDG&E Existing Residential Buildings  
Electric Applicability, Base Share, and Technology Density for Climate Zone 7

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.04	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0.02	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.04	0.04	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.04	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.04	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.04	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.14	0.09	535
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.03	0.11	996
HVAC	RWINSL	MF	RET	R_WINSL	1	0.3	0.19	535
HVAC	RWINSL	SF	RET	R_WINSL	1	0.39	0.34	996
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.7	133
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.19	133
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.52	244
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.34	244
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.13	0	1.13
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.18	0	1.13
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.02	0	1.13
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.37	0.98
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	0.98
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.37	0.93
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	0.93
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.19	1.1
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.1
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.14	0.06	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.03	0.01	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.03	0.01	1
HVAC	RINFL	MF	RET	R_INFL	1	0.3	0.18	1
HVAC	RINFL	MH	RET	R_INFL	1	0.51	0.3	1
HVAC	RINFL	SF	RET	R_INFL	1	0.39	0.24	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.02	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.03	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.53	0.03	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.45	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.7	0.07	1

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.56	0.03	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.78	0.33	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.74	0.05	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.21	0.06	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.04	0.01	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.07	0.02	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.57	0.17	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.9	0.27	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.89	0.27	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.55	0.28	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.46	0.23	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.73	0.36	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.19	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.22	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.09	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.47	0.81
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.05	0.81
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.81
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.81
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.41	0.78
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.05	0.78
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.78
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.78
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.63	0.91
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.07	0.91
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.91
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.91
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.14	0.05	632
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.03	0.03	1556
HVAC	RAINSL	MF	RET	R_AINSL	1	0.3	0.1	632
HVAC	RAINSL	SF	RET	R_AINSL	1	0.39	0.32	1556
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69



SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.19	0.19	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.19	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.19	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.19	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.13	0.13	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.13	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.13	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.23	0.23	1

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.23	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.23	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.22	0.22	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.22	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.22	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.01	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.11	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.29	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.36	0.07	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.49	0.1	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.13	0.03	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.64
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.64
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.64
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.64
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.51
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.51
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.51
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.51
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.87
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.87
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.87
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.87
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.04	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.02	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.04	0	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.03	0.01	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.04	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.04	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.03	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.03	1

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.04	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.04	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0.01	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.07	0.04	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.05	0.04	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.09	0.06	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.07	0	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.05	0	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.09	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.04	0.01	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.03	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.04	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.05	0.05	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.05	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.05	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.03	0.03	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.03	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.03	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.07	0.07	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.07	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.07	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.02	0.02	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.02	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.02	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.02	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.04	0.04	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.04	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.04	0	1

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 10

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.04	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.09	0.08	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.09	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.09	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.08	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RWINSLE	MF	RET	R_WINSL_E	1	0.04	0.03	462.7
HVAC	RWINSLE	SF	RET	R_WINSL_E	1	0.01	0.06	1180.5
HVAC	RWINSL	MF	RET	R_WINSL	1	0.24	0.17	462.7
HVAC	RWINSL	SF	RET	R_WINSL	1	0.3	0.27	1180.5
HVAC	RWIND	MF	ROB	R_Wind1	1	1	0.88	99.6
HVAC	RWIND	MF	ROB	R_WIND	2	1	0.12	99.6
HVAC	RWIND	SF	ROB	R_Wind1	1	1	0.38	219
HVAC	RWIND	SF	ROB	R_WIND	2	1	0.57	219
HVAC	RRAC1	MF	RET	R_RAC_ES_1	1	0.07	0	1.24
HVAC	RRAC1	MH	RET	R_RAC_ES_1	1	0.24	0	1.24
HVAC	RRAC1	SF	RET	R_RAC_ES_1	1	0.05	0	1.24
HVAC	RRAC	MF	ROB	R_RAC_Base	1	1	0.18	1.15
HVAC	RRAC	MF	ROB	R_RAC_ES	2	1	0	1.15
HVAC	RRAC	MH	ROB	R_RAC_Base	1	1	0.48	0.94
HVAC	RRAC	MH	ROB	R_RAC_ES	2	1	0	0.94
HVAC	RRAC	SF	ROB	R_RAC_Base	1	1	0.2	1.18
HVAC	RRAC	SF	ROB	R_RAC_ES	2	1	0	1.18
HVAC	RINFLE	MF	RET	R_INFL_E	1	0.04	0.03	1
HVAC	RINFLE	MH	RET	R_INFL_E	1	0.08	0.04	1
HVAC	RINFLE	SF	RET	R_INFL_E	1	0.01	0.01	1
HVAC	RINFL	MF	RET	R_INFL	1	0.24	0.14	1
HVAC	RINFL	MH	RET	R_INFL	1	0.41	0.25	1
HVAC	RINFL	SF	RET	R_INFL	1	0.3	0.18	1
HVAC	RHP	MF	ROB	R_HP_10	1	1	0.22	1
HVAC	RHP	MF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MF	ROB	R_HP_14	3	1	0	1
HVAC	RHP	MH	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	MH	ROB	R_HP_13	2	1	0	1
HVAC	RHP	MH	ROB	R_HP_14	3	1	0	1
HVAC	RHP	SF	ROB	R_HP_10	1	1	0.01	1
HVAC	RHP	SF	ROB	R_HP_13	2	1	0	1
HVAC	RHP	SF	ROB	R_HP_14	3	1	0	1
HVAC	RFAN	MF	RET	R_WFAN	1	0.6	0.09	1
HVAC	RFAN	MH	RET	R_WFAN	1	0.34	0	1
HVAC	RFAN	SF	RET	R_WFAN	1	0.71	0.05	1

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	REVAP	MF	RET	R_EVAP	1	0.6	0	1
HVAC	REVAP	MH	RET	R_EVAP	1	0.87	0.52	1
HVAC	REVAP	SF	RET	R_EVAP	1	0.94	0.23	1
HVAC	RDUCTE	MF	RET	R_DUCTR_E	1	0.03	0.01	1
HVAC	RDUCTE	MH	RET	R_DUCTR_E	1	0.12	0.04	1
HVAC	RDUCTE	SF	RET	R_DUCTR_E	1	0.02	0.01	1
HVAC	RDUCT	MF	RET	R_DUCTR	1	0.73	0.22	1
HVAC	RDUCT	MH	RET	R_DUCTR	1	0.62	0.19	1
HVAC	RDUCT	SF	RET	R_DUCTR	1	0.81	0.24	1
HVAC	RDIAG	MF	RET	R_HVAC_DI	1	0.82	0.41	1
HVAC	RDIAG	MH	RET	R_HVAC_DI	1	0.35	0.18	1
HVAC	RDIAG	SF	RET	R_HVAC_DI	1	0.72	0.36	1
HVAC	RCAC1	MF	RET	R_CAC_14_1	1	0.23	0	1
HVAC	RCAC1	MH	RET	R_CAC_14_1	1	0.17	0	1
HVAC	RCAC1	SF	RET	R_CAC_14_1	1	0.18	0	1
HVAC	RCAC	MF	ROB	R_CAC-10	1	1	0.54	0.77
HVAC	RCAC	MF	ROB	R_CAC_13	2	1	0.06	0.77
HVAC	RCAC	MF	ROB	R_CAC_14	3	1	0	0.77
HVAC	RCAC	MF	ROB	R_CAC_15	4	1	0	0.77
HVAC	RCAC	MH	ROB	R_CAC-10	1	1	0.31	0.83
HVAC	RCAC	MH	ROB	R_CAC_13	2	1	0.03	0.83
HVAC	RCAC	MH	ROB	R_CAC_14	3	1	0	0.83
HVAC	RCAC	MH	ROB	R_CAC_15	4	1	0	0.83
HVAC	RCAC	SF	ROB	R_CAC-10	1	1	0.64	0.82
HVAC	RCAC	SF	ROB	R_CAC_13	2	1	0.07	0.82
HVAC	RCAC	SF	ROB	R_CAC_14	3	1	0	0.82
HVAC	RCAC	SF	ROB	R_CAC_15	4	1	0	0.82
HVAC	RAINSLE	MF	RET	R_AINSL_E	1	0.04	0.01	512
HVAC	RAINSLE	SF	RET	R_AINSL_E	1	0.01	0.01	1273
HVAC	RAINSL	MF	RET	R_AINSL	1	0.24	0.15	512
HVAC	RAINSL	SF	RET	R_AINSL	1	0.3	0.24	1273
Lights	RLGT_TOR2	MF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	MH	CON	R_TORCH_CFL2	2	1	0.13	0.39



SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_TOR2	SF	CON	R_TORCH_INC	1	1	0.88	0.39
Lights	RLGT_TOR2	SF	CON	R_TORCH_CFL2	2	1	0.13	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	MH	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_HAL	1	1	0.9	0.39
Lights	RLGT_TOR1	SF	CON	R_TORCH_CFL	2	1	0.1	0.39
Lights	RLGT_R40	MF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	MH	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	MH	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	CON	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	CON	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	NEW	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	NEW	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R40	SF	ROB	R_INC_R40	1	1	0.96	1.23
Lights	RLGT_R40	SF	ROB	R_CFL_R40	2	1	0.04	1.23
Lights	RLGT_R30	MF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	NEW	R_INC_R30	1	1	0.96	1.23

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_R30	MH	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	MH	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	MH	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	CON	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	CON	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	NEW	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	NEW	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_R30	SF	ROB	R_INC_R30	1	1	0.96	1.23
Lights	RLGT_R30	SF	ROB	R_CFL_R30	2	1	0.04	1.23
Lights	RLGT_75	MF	CON	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	CON	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	NEW	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	NEW	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MF	ROB	R_INC_75W	1	1	0.93	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W	2	1	0.07	3.82
Lights	RLGT_75	MF	ROB	R_CFL_18-22W_H	3	1	0	3.82
Lights	RLGT_75	MH	CON	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	CON	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	NEW	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	NEW	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	MH	ROB	R_INC_75W	1	1	0.93	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W	2	1	0.07	5.73
Lights	RLGT_75	MH	ROB	R_CFL_18-22W_H	3	1	0	5.73
Lights	RLGT_75	SF	CON	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	CON	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	NEW	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W	2	1	0.07	8.69
Lights	RLGT_75	SF	NEW	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_75	SF	ROB	R_INC_75W	1	1	0.93	8.69
Lights	RLGT_75	SF	ROB	R_CFL_18-22W	2	1	0.07	8.69

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_75	SF	ROB	R_CFL_18-22W_H	3	1	0	8.69
Lights	RLGT_60	MF	CON	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	CON	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	NEW	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	NEW	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MF	ROB	R_INC_60W	1	1	0.93	5.05
Lights	RLGT_60	MF	ROB	R_CFL_13-17W	2	1	0.07	5.05
Lights	RLGT_60	MH	CON	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	CON	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	NEW	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	NEW	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	MH	ROB	R_INC_60W	1	1	0.93	7.58
Lights	RLGT_60	MH	ROB	R_CFL_13-17W	2	1	0.07	7.58
Lights	RLGT_60	SF	CON	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	CON	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	NEW	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	NEW	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_60	SF	ROB	R_INC_60W	1	1	0.93	11.49
Lights	RLGT_60	SF	ROB	R_CFL_13-17W	2	1	0.07	11.49
Lights	RLGT_40	MF	CON	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	CON	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	NEW	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	NEW	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MF	ROB	R_INC_40W	1	1	0.93	2.22
Lights	RLGT_40	MF	ROB	R_CFL_9-12W	2	1	0.07	2.22
Lights	RLGT_40	MH	CON	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	CON	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	NEW	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	NEW	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	MH	ROB	R_INC_40W	1	1	0.93	3.33
Lights	RLGT_40	MH	ROB	R_CFL_9-12W	2	1	0.07	3.33
Lights	RLGT_40	SF	CON	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	CON	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_40	SF	NEW	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	NEW	R_CFL_9-12W	2	1	0.07	5.04

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_40	SF	ROB	R_INC_40W	1	1	0.93	5.04
Lights	RLGT_40	SF	ROB	R_CFL_9-12W	2	1	0.07	5.04
Lights	RLGT_150	MF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	MH	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	MH	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	CON	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	CON	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	NEW	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	NEW	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_150	SF	ROB	R_INC_150W	1	1	0.93	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W	2	1	0.07	1
Lights	RLGT_150	SF	ROB	R_CFL_26-50W_H	3	1	0	1
Lights	RLGT_100	MF	CON	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	CON	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MF	NEW	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	NEW	R_CFL_23-26W_H	3	1	0	1.11

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Lights	RLGT_100	MF	ROB	R_INC_100W	1	1	0.93	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W	2	1	0.07	1.11
Lights	RLGT_100	MF	ROB	R_CFL_23-26W_H	3	1	0	1.11
Lights	RLGT_100	MH	CON	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	CON	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	NEW	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	NEW	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	MH	ROB	R_INC_100W	1	1	0.93	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W	2	1	0.07	1.66
Lights	RLGT_100	MH	ROB	R_CFL_23-26W_H	3	1	0	1.66
Lights	RLGT_100	SF	CON	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	CON	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	NEW	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	NEW	R_CFL_23-26W_H	3	1	0	2.52
Lights	RLGT_100	SF	ROB	R_INC_100W	1	1	0.93	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W	2	1	0.07	2.52
Lights	RLGT_100	SF	ROB	R_CFL_23-26W_H	3	1	0	2.52
Lights	PHOTOC	MF	RET	R_Photo	1	0.4	0.2	0.13
Lights	OCCSENS	MF	RET	R_Occ_Sens	1	0.4	0.2	0.13
Lights	EXIT	MF	RET	R_EXIT_LEDE	1	1	0.4	0.13
Msc	R_POOL	SF	NEW	R_PP_Base	1	0.07	0.07	1
Msc	R_POOL	SF	NEW	R_PP_OneSpd	2	0.07	0	1
Msc	R_POOL	SF	NEW	R_PP_TwoSpd	3	0.07	0	1
Msc	R_POOL	SF	ROB	R_PP_Base	1	1	0.07	1
Msc	R_POOL	SF	ROB	R_PP_OneSpd	2	1	0	1
Msc	R_POOL	SF	ROB	R_PP_TwoSpd	3	1	0	1
Msc	RDRY_E	MF	NEW	R_CD_Base	1	0.17	0.17	1
Msc	RDRY_E	MF	NEW	R_CD_EF	2	0.17	0	1
Msc	RDRY_E	MF	ROB	R_CD_Base	1	1	0.17	1
Msc	RDRY_E	MF	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	MH	NEW	R_CD_Base	1	0.48	0.48	1

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
Msc	RDRY_E	MH	NEW	R_CD_EF	2	0.48	0	1
Msc	RDRY_E	MH	ROB	R_CD_Base	1	1	0.48	1
Msc	RDRY_E	MH	ROB	R_CD_EF	2	1	0	1
Msc	RDRY_E	SF	NEW	R_CD_Base	1	0.29	0.29	1
Msc	RDRY_E	SF	NEW	R_CD_EF	2	0.29	0	1
Msc	RDRY_E	SF	ROB	R_CD_Base	1	1	0.29	1
Msc	RDRY_E	SF	ROB	R_CD_EF	2	1	0	1
Ref	RRRCY	MF	RET	R_Ref_Recy	1	0.01	0	1
Ref	RRRCY	MH	RET	R_Ref_Recy	1	0.17	0	1
Ref	RRRCY	SF	RET	R_Ref_Recy	1	0.35	0	1
Ref	RREF1	MF	RET	R_REF_ES_1	1	0.39	0.08	1
Ref	RREF1	MH	RET	R_REF_ES_1	1	0.51	0.1	1
Ref	RREF1	SF	RET	R_REF_ES_1	1	0.26	0.05	1
Ref	RREF	MF	NEW	R_REF	1	1	0.8	0.61
Ref	RREF	MF	NEW	R_REF_ES	2	1	0.2	0.61
Ref	RREF	MF	ROB	R_REF	1	1	0.8	0.61
Ref	RREF	MF	ROB	R_REF_ES	2	1	0.2	0.61
Ref	RREF	MH	NEW	R_REF	1	1	0.8	0.5
Ref	RREF	MH	NEW	R_REF_ES	2	1	0.2	0.5
Ref	RREF	MH	ROB	R_REF	1	1	0.8	0.5
Ref	RREF	MH	ROB	R_REF_ES	2	1	0.2	0.5
Ref	RREF	SF	NEW	R_REF	1	1	0.8	0.74
Ref	RREF	SF	NEW	R_REF_ES	2	1	0.2	0.74
Ref	RREF	SF	ROB	R_REF	1	1	0.8	0.74
Ref	RREF	SF	ROB	R_REF_ES	2	1	0.2	0.74
Ref	RFRCY	MF	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	MH	RET	R_Frz_Recy	1	0.01	0	1
Ref	RFRCY	SF	RET	R_Frz_Recy	1	0.02	0	1
WHeat	RWHW	MF	RET	R_WH_WHW	1	0.01	0	1
WHeat	RWHW	MH	RET	R_WH_WHW	1	0.03	0.02	1
WHeat	RWHW	SF	RET	R_WH_WHW	1	0.04	0.02	1
WHeat	RWH	MF	ROB	R_WH_0.88	1	1	0.01	1
WHeat	RWH	MF	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	MF	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	MH	ROB	R_WH_0.88	1	1	0.03	1

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWH	MH	ROB	R_WH_0.93	2	1	0.02	1
WHeat	RWH	MH	ROB	R_WH_POU	3	1	0	1
WHeat	RWH	SF	ROB	R_WH_0.88	1	1	0.06	1
WHeat	RWH	SF	ROB	R_WH_0.93	2	1	0.05	1
WHeat	RWH	SF	ROB	R_WH_POU	3	1	0	1
WHeat	RSHW	MF	RET	R_WH_Shv	1	0.03	0.02	1
WHeat	RSHW	MH	RET	R_WH_Shv	1	0.05	0.04	1
WHeat	RSHW	SF	RET	R_WH_Shv	1	0.11	0.08	1
WHeat	RPW	MF	RET	R_WH_PW	1	0.03	0	1
WHeat	RPW	MH	RET	R_WH_PW	1	0.05	0	1
WHeat	RPW	SF	RET	R_WH_PW	1	0.11	0	1
WHeat	RFA	MF	RET	R_WH_FA	1	0.01	0	1
WHeat	RFA	MH	RET	R_WH_FA	1	0.03	0	1
WHeat	RFA	SF	RET	R_WH_FA	1	0.04	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.46	1	0.02	0.02	1
WHeat	RDW_E	MF	NEW	R_DW_0.58	2	0.02	0	1
WHeat	RDW_E	MF	ROB	R_DW_0.46	1	1	0.02	1
WHeat	RDW_E	MF	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	MH	NEW	R_DW_0.46	1	0.02	0.02	1
WHeat	RDW_E	MH	NEW	R_DW_0.58	2	0.02	0	1
WHeat	RDW_E	MH	ROB	R_DW_0.46	1	1	0.02	1
WHeat	RDW_E	MH	ROB	R_DW_0.58	2	1	0	1
WHeat	RDW_E	SF	NEW	R_DW_0.46	1	0.09	0.09	1
WHeat	RDW_E	SF	NEW	R_DW_0.58	2	0.09	0	1
WHeat	RDW_E	SF	ROB	R_DW_0.46	1	1	0.09	1
WHeat	RDW_E	SF	ROB	R_DW_0.58	2	1	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.04	1	0.01	0.01	1
WHeat	RCW_E	MF	NEW	R_CW_1.42	2	0.01	0	1
WHeat	RCW_E	MF	NEW	R_CW_1.60	3	0.01	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.04	1	1	0.01	1
WHeat	RCW_E	MF	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MF	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.04	1	0.04	0.03	1
WHeat	RCW_E	MH	NEW	R_CW_1.42	2	0.04	0	1
WHeat	RCW_E	MH	NEW	R_CW_1.60	3	0.04	0	1

SDGE  
Residential Applicability, Base Share, and Technology Density for Climate Zone 14

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_E	MH	ROB	R_CW_1.04	1	1	0.03	1
WHeat	RCW_E	MH	ROB	R_CW_1.42	2	1	0	1
WHeat	RCW_E	MH	ROB	R_CW_1.60	3	1	0	1
WHeat	RCW_E	SF	NEW	R_CW_1.04	1	0.1	0.1	1
WHeat	RCW_E	SF	NEW	R_CW_1.42	2	0.1	0.01	1
WHeat	RCW_E	SF	NEW	R_CW_1.60	3	0.1	0	1
WHeat	RCW_E	SF	ROB	R_CW_1.04	1	1	0.1	1
WHeat	RCW_E	SF	ROB	R_CW_1.42	2	1	0.01	1
WHeat	RCW_E	SF	ROB	R_CW_1.60	3	1	0	1



SDG&E Existing Residential Buildings  
Gas Applicability, Base Share, and Technology Density

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC	RGASF1	MF	RET	R_GFURN_90_1	1	0.15	0	1
HVAC	RGASF1	MH	RET	R_GFURN_90_1	1	0.24	0	1
HVAC	RGASF1	SF	RET	R_GFURN_90_1	1	0.15	0.01	1
HVAC	RGASF	MF	ROB	R_GFURN_80	1	1	0.44	0.67
HVAC	RGASF	MF	ROB	R_GFURN_90	2	1	0.01	0.67
HVAC	RGASF	MF	ROB	R_GFURN_94	3	1	0	0.67
HVAC	RGASF	MH	ROB	R_GFURN_80	1	1	0.55	0.57
HVAC	RGASF	MH	ROB	R_GFURN_90	2	1	0.01	0.57
HVAC	RGASF	MH	ROB	R_GFURN_94	3	1	0	0.57
HVAC	RGASF	SF	ROB	R_GFURN_80	1	1	0.89	0.84
HVAC	RGASF	SF	ROB	R_GFURN_90	2	1	0.05	0.84
HVAC	RGASF	SF	ROB	R_GFURN_94	3	1	0	0.84
Msc	RDRY_G	MF	NEW	R_CD_Base_G	1	0.1	0.1	1
Msc	RDRY_G	MF	NEW	R_CD_EF_G	2	0.1	0	1
Msc	RDRY_G	MF	ROB	R_CD_Base_G	1	1	0.1	1
Msc	RDRY_G	MF	ROB	R_CD_EF_G	2	1	0	1
Msc	RDRY_G	MH	NEW	R_CD_Base_G	1	0.1	0.11	1
Msc	RDRY_G	MH	NEW	R_CD_EF_G	2	0.1	0	1
Msc	RDRY_G	MH	ROB	R_CD_Base_G	1	1	0.11	1
Msc	RDRY_G	MH	ROB	R_CD_EF_G	2	1	0	1
Msc	RDRY_G	SF	NEW	R_CD_Base_G	1	0.62	0.62	1
Msc	RDRY_G	SF	NEW	R_CD_EF_G	2	0.62	0	1
Msc	RDRY_G	SF	ROB	R_CD_Base_G	1	1	0.62	1
Msc	RDRY_G	SF	ROB	R_CD_EF_G	2	1	0	1
WHeat	RWH_G	MF	ROB	R_WH_0.6_G	1	1	0.12	1
WHeat	RWH_G	MF	ROB	R_WH_0.63_G	2	1	0.15	1
WHeat	RWH_G	MF	ROB	R_WH_POU_G	3	1	0.06	1
WHeat	RWH_G	MH	ROB	R_WH_0.6_G	1	1	0.3	1
WHeat	RWH_G	MH	ROB	R_WH_0.63_G	2	1	0.26	1
WHeat	RWH_G	MH	ROB	R_WH_POU_G	3	1	0.02	1
WHeat	RWH_G	SF	ROB	R_WH_0.6_G	1	1	0.48	1
WHeat	RWH_G	SF	ROB	R_WH_0.63_G	2	1	0.41	1
WHeat	RWH_G	SF	ROB	R_WH_POU_G	3	1	0.02	1
WHeat	RWHW_G	MF	RET	R_WH_WHW_G	1	0.18	0.01	1
WHeat	RWHW_G	MH	RET	R_WH_WHW_G	1	0.42	0.1	1

SDG&E Existing Residential Buildings  
Gas Applicability, Base Share, and Technology Density

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RWHW_G	SF	RET	R_WH_WHW_G	1	0.53	0.21	1
WHeat	RWHBC	MF	RET	R_WH_BC_G	1	0.59	0.03	0.13
WHeat	RSHW_G	MF	RET	R_WH_ShW_G	1	0.34	0.2	1
WHeat	RSHW_G	MH	RET	R_WH_ShW_G	1	0.59	0.37	1
WHeat	RSHW_G	SF	RET	R_WH_ShW_G	1	0.9	0.73	1
WHeat	RPW_G	MF	RET	R_WH_PW_G	1	0.34	0.02	1
WHeat	RPW_G	MH	RET	R_WH_PW_G	1	0.59	0.04	1
WHeat	RPW_G	SF	RET	R_WH_PW_G	1	0.9	0.05	1
WHeat	RFA_G	MF	RET	R_WH_FA_G	1	0.18	0.08	1
WHeat	RFA_G	MH	RET	R_WH_FA_G	1	0.42	0.19	1
WHeat	RFA_G	SF	RET	R_WH_FA_G	1	0.53	0.28	1
WHeat	RDW_G	MF	NEW	R_DW_0.46_G	1	0.17	0.17	1
WHeat	RDW_G	MF	NEW	R_DW_0.58_G	2	0.17	0	1
WHeat	RDW_G	MF	ROB	R_DW_0.46_G	1	1	0.17	1
WHeat	RDW_G	MF	ROB	R_DW_0.58_G	2	1	0	1
WHeat	RDW_G	MH	NEW	R_DW_0.46_G	1	0.17	0.23	1
WHeat	RDW_G	MH	NEW	R_DW_0.58_G	2	0.17	0	1
WHeat	RDW_G	MH	ROB	R_DW_0.46_G	1	1	0.23	1
WHeat	RDW_G	MH	ROB	R_DW_0.58_G	2	1	0	1
WHeat	RDW_G	SF	NEW	R_DW_0.46_G	1	0.62	0.62	1
WHeat	RDW_G	SF	NEW	R_DW_0.58_G	2	0.62	0	1
WHeat	RDW_G	SF	ROB	R_DW_0.46_G	1	1	0.62	1
WHeat	RDW_G	SF	ROB	R_DW_0.58_G	2	1	0	1
WHeat	RCW_G	MF	NEW	R_CW_1.04_G	1	0.1	0.1	1
WHeat	RCW_G	MF	NEW	R_CW_1.42_G	2	0.1	0	1
WHeat	RCW_G	MF	NEW	R_CW_1.60_G	3	0.1	0	1
WHeat	RCW_G	MF	ROB	R_CW_1.04_G	1	1	0.1	1
WHeat	RCW_G	MF	ROB	R_CW_1.42_G	2	1	0	1
WHeat	RCW_G	MF	ROB	R_CW_1.60_G	3	1	0	1
WHeat	RCW_G	MH	NEW	R_CW_1.04_G	1	0.1	0.2	1
WHeat	RCW_G	MH	NEW	R_CW_1.42_G	2	0.1	0.09	1
WHeat	RCW_G	MH	NEW	R_CW_1.60_G	3	0.1	0	1
WHeat	RCW_G	MH	ROB	R_CW_1.04_G	1	1	0.2	1
WHeat	RCW_G	MH	ROB	R_CW_1.42_G	2	1	0.09	1
WHeat	RCW_G	MH	ROB	R_CW_1.60_G	3	1	0	1

SDG&E Existing Residential Buildings  
Gas Applicability, Base Share, and Technology Density

End Use	Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WHeat	RCW_G	SF	NEW	R_CW_1.04_G	1	0.83	0.73	1
WHeat	RCW_G	SF	NEW	R_CW_1.42_G	2	0.83	0.11	1
WHeat	RCW_G	SF	NEW	R_CW_1.60_G	3	0.83	0	1
WHeat	RCW_G	SF	ROB	R_CW_1.04_G	1	1	0.73	1
WHeat	RCW_G	SF	ROB	R_CW_1.42_G	2	1	0.11	1
WHeat	RCW_G	SF	ROB	R_CW_1.60_G	3	1	0	1

### **C.3 Housing Stock**

The following tables contain the housing stock by utility, climate zone, and building type. The housing stock forecast was provided courtesy of the CEC and is dated March 2004.

PG&E  
Residential Housing Stock Forecast

Utility	Title 24 Climate Zone	Building Type	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
PG&E	1	Single Family	63,687	64,184	64,662	65,102	65,471	65,868	66,277	66,679	67,073	67,343	67,604	67,862	68,119	68,374	68,628
PG&E	1	Multifamily	14,221	14,319	14,412	14,496	14,565	14,639	14,717	14,792	14,866	14,911	14,954	14,995	15,037	15,078	15,119
PG&E	1	Mobile Home	8,559	8,573	8,585	8,595	8,598	8,603	8,610	8,616	8,623	8,617	8,610	8,604	8,597	8,591	8,584
PG&E	2	Single Family	224,469	226,903	229,215	231,371	233,173	235,107	237,082	239,018	240,951	242,313	243,659	245,027	246,388	247,743	249,090
PG&E	2	Multifamily	54,435	54,823	55,187	55,514	55,770	56,056	56,352	56,640	56,927	57,094	57,257	57,427	57,595	57,763	57,930
PG&E	2	Mobile Home	27,313	27,504	27,680	27,843	27,967	28,104	28,245	28,383	28,521	28,600	28,677	28,756	28,835	28,914	28,993
PG&E	3a	Single Family	581,224	583,625	585,840	587,442	588,565	590,220	591,940	593,690	595,633	596,348	597,094	597,924	598,749	599,570	600,387
PG&E	3a	Multifamily	400,746	401,417	401,776	401,352	400,582	400,439	400,311	400,159	400,059	398,719	397,374	396,054	394,740	393,433	392,132
PG&E	3a	Mobile Home	28,458	29,041	29,587	30,035	30,425	30,887	31,354	31,817	32,295	32,602	32,907	33,216	33,524	33,831	34,136
PG&E	3b	Single Family	237,401	238,382	239,287	239,941	240,400	241,076	241,778	242,493	243,287	243,579	243,884	244,222	244,559	244,895	245,228
PG&E	3b	Multifamily	163,685	163,959	164,106	163,932	163,618	163,560	163,507	163,445	163,404	162,857	162,308	161,769	161,232	160,698	160,167
PG&E	3b	Mobile Home	11,624	11,862	12,085	12,268	12,427	12,616	12,806	12,996	13,191	13,316	13,441	13,567	13,693	13,818	13,943
PG&E	4	Single Family	397,158	399,969	402,498	404,324	405,731	407,645	409,585	411,493	413,286	414,020	414,762	415,577	416,388	417,196	417,999
PG&E	4	Multifamily	183,480	186,434	189,109	191,100	192,673	194,701	196,724	198,716	200,567	201,423	202,267	203,154	204,036	204,913	205,786
PG&E	4	Mobile Home	29,121	29,591	30,021	30,356	30,634	30,976	31,320	31,659	31,980	32,159	32,339	32,525	32,710	32,894	33,077
PG&E	5	Single Family	89,887	91,471	92,993	94,418	95,934	97,533	99,164	100,781	102,400	103,975	105,554	107,164	108,766	110,359	111,945
PG&E	5	Multifamily	28,900	28,987	29,065	29,125	29,213	29,322	29,437	29,557	29,681	29,805	29,933	30,068	30,203	30,337	30,470
PG&E	5	Mobile Home	11,083	11,194	11,299	11,394	11,500	11,613	11,729	11,846	11,962	12,074	12,188	12,304	12,420	12,535	12,650
PG&E	11	Single Family	160,747	164,491	168,131	171,657	174,740	177,954	181,200	184,393	187,535	190,074	192,607	195,148	197,677	200,193	202,696
PG&E	11	Multifamily	35,719	36,226	36,716	37,190	37,586	38,006	38,428	38,840	39,242	39,548	39,852	40,156	40,458	40,758	41,058
PG&E	11	Mobile Home	26,249	26,548	26,840	27,123	27,361	27,617	27,875	28,128	28,377	28,562	28,744	28,930	29,115	29,299	29,483
PG&E	12	Single Family	604,711	613,294	621,551	629,238	637,017	645,437	653,979	662,543	671,088	678,184	685,294	692,482	699,633	706,749	713,830
PG&E	12	Multifamily	171,881	172,609	173,277	173,840	174,364	174,998	175,650	176,310	176,966	177,371	177,778	178,200	178,620	179,038	179,454
PG&E	12	Mobile Home	39,176	39,974	40,744	41,465	42,184	42,953	43,734	44,513	45,290	45,940	46,589	47,245	47,897	48,546	49,193
PG&E	13	Single Family	312,926	318,321	323,640	328,687	333,713	339,265	344,971	350,855	356,821	362,115	367,504	373,038	378,545	384,024	389,475
PG&E	13	Multifamily	94,881	95,446	96,002	96,504	96,998	97,591	98,215	98,872	99,543	100,089	100,654	101,245	101,833	102,418	103,000
PG&E	13	Mobile Home	29,690	30,190	30,682	31,148	31,614	32,130	32,659	33,207	33,760	34,251	34,752	35,263	35,772	36,279	36,783
PG&E	16	Single Family	129,810	132,677	135,459	138,201	140,586	143,063	145,575	148,060	150,494	152,473	154,445	156,412	158,369	160,317	162,254
PG&E	16	Multifamily	24,616	25,033	25,438	25,837	26,180	26,538	26,899	27,259	27,608	27,885	28,163	28,441	28,717	28,992	29,265
PG&E	16	Mobile Home	19,122	19,350	19,569	19,785	19,966	20,157	20,351	20,543	20,730	20,871	21,012	21,151	21,290	21,427	21,565
PG&E	Gas	Single Family	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####
PG&E	Gas	Multifamily	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####
PG&E	Gas	Mobile Home	169,970	173,100	176,075	178,713	181,139	183,848	186,591	189,333	192,075	194,150	196,227	198,338	200,438	202,528	204,607

SCE  
Residential Housing Stock Forecast

Utility	Title 24 Climate Zone	Building Type	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SCE	6	Single Family	417,095	418,436	420,128	421,465	422,930	424,802	426,765	428,810	430,922	432,665	434,467	436,381	438,285	440,179	442,064
SCE	6	Multifamily	189,469	190,368	191,499	192,259	193,071	194,260	195,508	196,792	198,120	199,047	200,016	201,066	202,110	203,148	204,182
SCE	6	Mobile Home	26,274	26,591	26,886	27,102	27,338	27,651	27,974	28,304	28,641	28,900	29,165	29,446	29,725	30,003	30,280
SCE	8	Single Family	502,929	507,311	512,204	516,392	520,823	526,048	531,442	536,989	542,660	547,600	552,649	557,908	563,141	568,347	573,528
SCE	8	Multifamily	261,432	268,944	277,481	284,242	291,237	300,001	309,030	318,216	327,591	335,051	342,699	350,709	358,678	366,608	374,498
SCE	8	Mobile Home	28,216	28,637	29,027	29,313	29,571	29,924	30,288	30,656	31,031	31,258	31,494	31,748	32,001	32,252	32,502
SCE	9	Single Family	309,005	311,562	314,429	316,876	319,467	322,532	325,698	328,955	332,286	335,182	338,142	341,229	344,300	347,355	350,396
SCE	9	Multifamily	136,173	139,575	143,408	146,427	149,554	153,492	157,552	161,685	165,904	169,246	172,675	176,270	179,846	183,405	186,946
SCE	9	Mobile Home	15,180	15,428	15,658	15,809	16,005	16,281	16,568	16,859	17,159	17,410	17,668	17,940	18,210	18,478	18,745
SCE	10	Single Family	372,446	387,460	404,446	419,615	435,378	453,141	471,313	489,854	508,686	525,635	542,839	560,558	578,188	595,729	613,183
SCE	10	Multifamily	91,945	95,537	99,772	103,159	106,656	110,997	115,463	120,003	124,632	128,348	132,152	136,128	140,084	144,020	147,937
SCE	10	Mobile Home	48,920	49,643	50,344	51,012	51,706	52,444	53,201	53,978	54,766	55,526	56,294	57,084	57,870	58,652	59,429
SCE	13	Single Family	69,715	71,344	73,171	74,789	76,476	78,395	80,361	82,371	84,415	86,242	88,099	90,017	91,924	93,823	95,711
SCE	13	Multifamily	13,249	13,414	13,608	13,756	13,909	14,110	14,317	14,529	14,747	14,913	15,085	15,267	15,447	15,627	15,806
SCE	13	Mobile Home	7,693	7,805	7,915	8,017	8,118	8,233	8,350	8,472	8,596	8,705	8,815	8,929	9,043	9,156	9,268
SCE	14	Single Family	199,387	205,807	212,976	219,359	226,000	233,509	241,196	249,043	257,018	264,178	271,449	278,944	286,401	293,821	301,204
SCE	14	Multifamily	59,969	60,649	61,446	62,046	62,673	63,498	64,353	65,227	66,122	66,804	67,509	68,254	68,995	69,733	70,467
SCE	14	Mobile Home	19,094	19,396	19,691	19,962	20,253	20,575	20,907	21,250	21,600	21,929	22,264	22,608	22,951	23,292	23,632
SCE	15	Single Family	93,838	98,583	103,814	108,494	113,354	118,818	124,406	130,104	135,891	141,107	146,400	151,848	157,269	162,663	168,029
SCE	15	Multifamily	21,934	22,390	22,916	23,327	23,754	24,295	24,854	25,422	26,003	26,461	26,930	27,423	27,914	28,402	28,888
SCE	15	Mobile Home	14,547	14,758	14,961	15,154	15,354	15,566	15,783	16,004	16,227	16,443	16,662	16,886	17,109	17,331	17,552
SCE	16	Single Family	129,801	134,375	139,494	144,058	148,804	154,162	159,646	165,243	170,930	176,041	181,230	186,577	191,897	197,191	202,458
SCE	16	Multifamily	35,152	35,556	36,037	36,400	36,779	37,276	37,791	38,317	38,856	39,268	39,693	40,142	40,589	41,034	41,477
SCE	16	Mobile Home	14,955	15,163	15,365	15,557	15,759	15,980	16,207	16,443	16,681	16,906	17,134	17,369	17,602	17,834	18,065

SoCalGas  
Residential Housing Stock Forecast

Utility	Title 24 Climate Zone	Building Type	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SoCalGas	All	Single Family	2,834,535	2,878,040	2,905,720	2,928,437	2,952,901	2,982,709	3,013,555	3,045,160	3,077,510	3,105,248	3,133,655	3,163,351	3,192,898	3,222,298	3,251,551
SoCalGas	All	Multifamily	1,160,025	1,174,247	1,181,863	1,186,601	1,192,018	1,200,337	1,209,091	1,218,095	1,227,421	1,234,049	1,240,998	1,248,519	1,256,002	1,263,448	1,270,857
SoCalGas	All	Mobile Home	222,501	227,020	230,247	232,923	235,771	239,192	242,713	246,311	249,975	253,127	256,344	259,690	263,020	266,332	269,628

SDG&E  
Residential Housing Stock Forecast

Utility	Title 24 Climate Zone	Building Type	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SDG&E	7	Single Family	426,851	430,761	434,947	438,746	442,608	446,593	450,153	453,326	456,128	458,079	460,360	463,123	465,873	468,608	471,330
SDG&E	7	Multifamily	236,717	239,246	243,543	247,482	251,466	255,563	259,266	262,610	265,611	267,828	270,341	273,290	276,223	279,142	282,046
SDG&E	7	Mobile Home	34,837	35,421	35,931	36,398	36,869	37,354	37,792	38,188	38,542	38,803	39,099	39,447	39,793	40,138	40,480
SDG&E	10	Single Family	124,996	127,296	129,728	131,970	134,240	136,569	138,689	140,620	142,370	143,706	145,199	146,924	148,641	150,348	152,048
SDG&E	10	Multifamily	69,393	70,843	73,146	75,276	77,426	79,629	81,641	83,478	85,147	86,437	87,868	89,510	91,144	92,769	94,386
SDG&E	10	Mobile Home	10,247	10,419	10,569	10,707	10,847	10,990	11,119	11,236	11,340	11,417	11,505	11,608	11,711	11,812	11,914
SDG&E	14	Single Family	64,187	64,645	65,140	65,585	66,038	66,508	66,923	67,287	67,605	67,813	68,064	68,376	68,687	68,997	69,305
SDG&E	14	Multifamily	35,634	35,935	36,464	36,947	37,436	37,940	38,393	38,800	39,163	39,425	39,725	40,082	40,436	40,789	41,140
SDG&E	14	Mobile Home	5,262	5,350	5,428	5,498	5,570	5,644	5,710	5,770	5,823	5,863	5,908	5,961	6,014	6,066	6,118
SDG&E	Gas	Single Family	570,928	577,495	583,146	588,282	593,510	598,899	603,707	607,991	611,771	614,417	617,510	621,256	624,984	628,692	632,382
SDG&E	Gas	Multifamily	316,955	320,383	323,296	325,922	328,596	331,359	333,797	335,941	337,802	339,030	340,507	342,347	344,178	346,000	347,813
SDG&E	Gas	Mobile Home	46,803	47,590	48,276	48,906	49,544	50,199	50,789	51,321	51,798	52,150	52,550	53,020	53,489	53,954	54,418



### C.4 Energy Time-Of-Use Shares and Coincident Peak Factors

The following table lists the name of the energy time-of-use shares associated with each technology and segment for existing residential units. The energy time-of-use shares are either statewide, or change by Title 24 climate zone. Using the name of the energy time-of-use share, the actual load shape and peak factors are listed in Table C-2.

**Table C-1: Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
R_AINSL	HVAC	SF	SF_GhtCAC_E	T24 CZ
R_AINSL	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_AINSL_E	HVAC	SF	SF_GhtCAC_E	T24 CZ
R_AINSL_E	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_CAC_10	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_CAC_10	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_CAC_13	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_CAC_13	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_CAC_14	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_CAC_14	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_CAC_14_1	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_CAC_14_1	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_CAC_15	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_CAC_15	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_CD_Base	Misc.	SF, MH	SF_Appl_E	Statewide
R_CD_Base	Misc.	MF	MF_Appl_E	Statewide
R_CD_Base_G	Misc.	All	Res_Misc_E	Statewide
R_CD_EF	Misc.	SF, MH	SF_Appl_E	Statewide
R_CD_EF	Misc.	MF	MF_Appl_E	Statewide
R_CD_EF_G	Misc.	All	Res_Misc_E	Statewide
R_CFL_9-12W	Lighting	All	Res_Lights	Statewide
R_CFL_13-17W	Lighting	All	Res_Lights	Statewide
R_CFL_18-22W	Lighting	All	Res_Lights	Statewide
R_CFL_18-22W_H	Lighting	All	Res_Lights	Statewide
R_CFL_23-26W	Lighting	All	Res_Lights	Statewide
R_CFL_23-26W_H	Lighting	All	Res_Lights	Statewide
R_CFL_26-50W	Lighting	All	Res_Lights	Statewide
R_CFL_26-50W_H	Lighting	All	Res_Lights	Statewide
R_CFL_R30	Lighting	All	Res_Lights	Statewide
R_CFL_R40	Lighting	All	Res_Lights	Statewide

**Table C-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
R_CW_1.04	Water Heating	SF, MH	SF_Appl_E	Statewide
R_CW_1.04	Water Heating	MF	MF_Appl_E	Statewide
R_CW_1.04_G	Water Heating	All	Res_Misc_E	Statewide
R_CW_1.42	Water Heating	SF, MH	SF_Appl_E	Statewide
R_CW_1.42	Water Heating	MF	MF_Appl_E	Statewide
R_CW_1.42_G	Water Heating	All	Res_Misc_E	Statewide
R_CW_1.60	Water Heating	SF, MH	SF_Appl_E	Statewide
R_CW_1.60	Water Heating	MF	MF_Appl_E	Statewide
R_CW_1.60_G	Water Heating	SF, MH	Res_Misc_E	Statewide
R_CW_1.60_G	Water Heating	MF	Res_Misc_E	Statewide
R_DUCTR	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_DUCTR	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_DUCTR_E	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_DUCTR_E	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_DW_0.46	Water Heating	SF, MH	SF_Appl_E	T24 CZ
R_DW_0.46	Water Heating	MF	MF_Appl_E	T24 CZ
R_DW_0.46_G	Water Heating	All	Res_Misc_E	Statewide
R_DW_0.58	Water Heating	SF, MH	SF_Appl_E	Statewide
R_DW_0.58	Water Heating	MF	MF_Appl_E	Statewide
R_DW_0.58_G	Water Heating	All	Res_Misc_E	Statewide
R_EVAP	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_EVAP	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_EXIT_LEDE	Lighting	MF	Res_Lights	Statewide
R_Frz_Recy	Refrigeration	All	Res_Refrig	Statewide
R_GFURN_80	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_GFURN_80	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_GFURN_90	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_GFURN_90	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_GFURN_94	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_GFURN_94	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_HP_10	HVAC	All	SF_HtPmp	T24 CZ
R_HP_13	HVAC	All	SF_HtPmp	T24 CZ
R_HP_14	HVAC	All	SF_HtPmp	T24 CZ
R_HVAC_DI	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_HVAC_DI	HVAC	MF	MF_GhtRAC_E	T24 CZ

**Table C-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
R_INC_40W	Lighting	All	Res_Lights	Statewide
R_INC_60W	Lighting	All	Res_Lights	Statewide
R_INC_75W	Lighting	All	Res_Lights	Statewide
R_INC_100W	Lighting	All	Res_Lights	Statewide
R_INC_150W	Lighting	All	Res_Lights	Statewide
R_INC_R30	Lighting	All	Res_Lights	Statewide
R_INC_R40	Lighting	All	Res_Lights	Statewide
R_INFL	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_INFL	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_INFL_E	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_INFL_E	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_Occ_Sens	Lighting	MF	Res_Lights	T24 CZ
R_Photo	Lighting	MF	Res_Lights	T24 CZ
R_PP_Base	Misc.	SF, MH	Res_Misc_E	Statewide
R_PP_OneSpd	Misc.	SF, MH	Res_Misc_E	Statewide
R_PP_TwoSpd	Misc.	SF, MH	Res_Misc_E	Statewide
R_RAC_Base	HVAC	SF, MH	SF_GhtRAC_E	T24 CZ
R_RAC_Base	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_RAC_ES	HVAC	SF, MH	SF_GhtRAC_E	T24 CZ
R_RAC_ES	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_RAC_ES_1	HVAC	SF, MH	SF_GhtRAC_E	T24 CZ
R_RAC_ES_1	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_REF	Refrigeration	All	Res_Refrig	T24 CZ
R_REF_ES	Refrigeration	All	Res_Refrig	T24 CZ
R_REF_ES_1	Refrigeration	All	Res_Refrig	T24 CZ
R_Ref_Recy	Refrigeration	All	Res_Refrig	T24 CZ
R_TORCH_HAL	Lighting	All	Res_Lights	T24 CZ
R_TORCH_INC	Lighting	All	Res_Lights	T24 CZ
R_TORCH_CFL	Lighting	All	Res_Lights	T24 CZ
R_TORCH_CFL2	Lighting	All	Res_Lights	T24 CZ
R_WFAN	HVAC	SF, MH	SF_GhtCAC_E	T24 CZ
R_WFAN	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_WH_0.6_G	Water Heating	All	SF_WatH_E	Statewide
R_WH_0.63_G	Water Heating	All	SF_WatH_E	Statewide
R_WH_0.88	Water Heating	All	SF_WatH_E	Statewide
R_WH_0.93	Water Heating	All	SF_WatH_E	Statewide
R_WH_BC_G	Water Heating	All	SF_WatH_E	Statewide
R_WH_FA	Water Heating	All	SF_WatH_E	Statewide
R_WH_FA_G	Water Heating	All	SF_WatH_E	Statewide

**Table C-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
R_WH_POU	Water Heating	All	SF_WatH_E	Statewide
R_WH_POU_G	Water Heating	All	SF_WatH_E	Statewide
R_WH_PW	Water Heating	All	SF_WatH_E	Statewide
R_WH_PW_G	Water Heating	All	SF_WatH_E	Statewide
R_WH_Shv	Water Heating	All	SF_WatH_E	Statewide
R_WH_Shv_G	Water Heating	All	SF_WatH_E	Statewide
R_WH_WHW	Water Heating	All	SF_WatH_E	Statewide
R_WH_WHW_G	Water Heating	All	SF_WatH_E	Statewide
R_WIND	HVAC	SF	SF_GhtCAC_E	T24 CZ
R_WIND	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_Wind1	HVAC	SF	SF_GhtCAC_E	T24 CZ
R_Wind1	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_WINSL	HVAC	SF	SF_GhtCAC_E	T24 CZ
R_WINSL	HVAC	MF	MF_GhtRAC_E	T24 CZ
R_WINSL_E	HVAC	SF	SF_GhtCAC_E	T24 CZ
R_WINSL_E	HVAC	MF	MF_GhtRAC_E	T24 CZ

The following table lists the energy time-of-use shares for existing residential end uses by Title 24 climate zone, where applicable. The load shapes were determined using *SitePro*. The TOU periods are the same as those given in the previous section of the appendix. The summer peak coincidence factor is also included. For residential lighting (Res\_Lights) the summer peak factor is 0.8. Because the summer peak factor is the system peak load, which is given by *SitePro* for a summer hot day at 4:00 p.m., divided by the average load for the end use, and little lighting is needed at 4:00 p.m. on a hot summer day, the average load for lighting will be greater than the system peak load, resulting in a summer peak factor of less than 1. Conversely, central air conditioning for a single family residence (SF\_GhtCAC\_E) in T24CZ 2 has a summer peak coincidence factor of 4.6. Air conditioning use is much higher at the system peak than it is on average, resulting in a high coincidence peak factor.

**Table C-2: TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor
MF_Appl_E	Statewide	12%	14%	21%	30%	23%	0.9
SF_Appl_E	Statewide	11%	14%	22%	29%	24%	0.9
Res_Lights	Statewide	4%	11%	30%	22%	33%	0.8
Res_Misc_E	Statewide	9%	11%	30%	20%	29%	1.0
Res_Refrig	Statewide	9%	11%	34%	18%	29%	1.0
SF_WatH_E	Statewide	7%	11%	26%	24%	32%	0.9
SF_GhtCAC_E	T24 CZ 1	36%	9%	53%	0%	1%	2.0
SF_GhtCAC_E	T24 CZ 2	32%	19%	36%	8%	5%	4.6
SF_GhtCAC_E	T24 CZ 3	48%	9%	35%	2%	5%	4.0
SF_GhtCAC_E	T24 CZ 4	39%	19%	34%	4%	4%	2.0
SF_GhtCAC_E	T24 CZ 5	48%	15%	29%	4%	4%	4.2
SF_GhtCAC_E	T24 CZ 6	42%	22%	32%	3%	2%	2.2
SF_GhtCAC_E	T24 CZ 7	42%	24%	29%	4%	2%	1.9
SF_GhtCAC_E	T24 CZ 8	36%	22%	32%	6%	4%	2.5
SF_GhtCAC_E	T24 CZ 9	31%	20%	35%	9%	5%	3.4
SF_GhtCAC_E	T24 CZ 10	28%	20%	36%	11%	6%	2.1
SF_GhtCAC_E	T24 CZ 11	32%	23%	38%	4%	2%	1.7
SF_GhtCAC_E	T24 CZ 12	37%	22%	33%	4%	4%	2.3
SF_GhtCAC_E	T24 CZ 13	27%	22%	40%	7%	3%	2.5
SF_GhtCAC_E	T24 CZ 14	29%	23%	39%	6%	2%	2.0
SF_GhtCAC_E	T24 CZ 15	21%	19%	41%	12%	7%	1.8
SF_GhtCAC_E	T24 CZ 16	41%	22%	35%	1%	1%	2.1
MF_GhtRAC_E	T24 CZ 1	27%	6%	44%	18%	4%	1.0
MF_GhtRAC_E	T24 CZ 2	35%	14%	31%	13%	7%	0.9
MF_GhtRAC_E	T24 CZ 3	48%	7%	34%	5%	7%	0.8
MF_GhtRAC_E	T24 CZ 4	48%	13%	31%	4%	4%	1.0
MF_GhtRAC_E	T24 CZ 5	39%	14%	31%	9%	7%	2.5
MF_GhtRAC_E	T24 CZ 6	49%	17%	24%	7%	3%	2.3
MF_GhtRAC_E	T24 CZ 7	51%	13%	25%	6%	5%	1.9
MF_GhtRAC_E	T24 CZ 8	45%	15%	26%	9%	6%	2.5
MF_GhtRAC_E	T24 CZ 9	41%	14%	28%	11%	6%	2.0
MF_GhtRAC_E	T24 CZ 10	33%	18%	30%	13%	6%	2.0
MF_GhtRAC_E	T24 CZ 11	42%	20%	31%	5%	3%	2.0
MF_GhtRAC_E	T24 CZ 12	47%	15%	29%	5%	4%	2.0
MF_GhtRAC_E	T24 CZ 13	36%	22%	30%	9%	3%	2.1
MF_GhtRAC_E	T24 CZ 14	36%	22%	31%	9%	3%	2.0
MF_GhtRAC_E	T24 CZ 15	26%	20%	37%	12%	5%	1.9
MF_GhtRAC_E	T24 CZ 16	52%	16%	29%	1%	1%	2.1

**Table C-2 (cont'd.): TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor
SF_GhtRAC_E	T24 CZ 1	35%	11%	52%	1%	1%	2.2
SF_GhtRAC_E	T24 CZ 2	29%	20%	39%	8%	5%	1.7
SF_GhtRAC_E	T24 CZ 3	48%	12%	33%	2%	5%	1.8
SF_GhtRAC_E	T24 CZ 4	28%	22%	42%	4%	4%	1.8
SF_GhtRAC_E	T24 CZ 5	46%	17%	29%	4%	4%	1.9
SF_GhtRAC_E	T24 CZ 6	36%	24%	35%	3%	2%	1.7
SF_GhtRAC_E	T24 CZ 7	32%	25%	37%	4%	2%	1.6
SF_GhtRAC_E	T24 CZ 8	27%	21%	41%	7%	4%	1.8
SF_GhtRAC_E	T24 CZ 9	23%	18%	43%	10%	5%	2.1
SF_GhtRAC_E	T24 CZ 10	23%	18%	41%	11%	6%	1.8
SF_GhtRAC_E	T24 CZ 11	27%	22%	45%	4%	2%	1.7
SF_GhtRAC_E	T24 CZ 12	28%	21%	41%	5%	4%	2.0
SF_GhtRAC_E	T24 CZ 13	23%	20%	46%	7%	4%	2.4
SF_GhtRAC_E	T24 CZ 14	24%	22%	46%	6%	2%	2.2
SF_GhtRAC_E	T24 CZ 15	18%	18%	44%	12%	8%	2.1
SF_GhtRAC_E	T24 CZ 16	36%	24%	38%	1%	1%	2.3
SF_HtPmp	T24 CZ 1	1%	6%	16%	28%	49%	1.8
SF_HtPmp	T24 CZ 2	17%	12%	25%	17%	29%	1.6
SF_HtPmp	T24 CZ 3	3%	3%	13%	26%	55%	1.6
SF_HtPmp	T24 CZ 4	19%	10%	21%	15%	35%	1.6
SF_HtPmp	T24 CZ 5	9%	5%	16%	19%	51%	1.8
SF_HtPmp	T24 CZ 6	25%	13%	24%	10%	27%	1.7
SF_HtPmp	T24 CZ 7	30%	17%	23%	7%	22%	1.5
SF_HtPmp	T24 CZ 8	27%	17%	27%	8%	20%	1.9
SF_HtPmp	T24 CZ 9	26%	17%	31%	9%	18%	1.4
SF_HtPmp	T24 CZ 10	25%	18%	34%	9%	14%	1.3
SF_HtPmp	T24 CZ 11	15%	12%	22%	17%	35%	1.2
SF_HtPmp	T24 CZ 12	15%	10%	18%	20%	37%	1.3
SF_HtPmp	T24 CZ 13	17%	15%	28%	15%	25%	2.1
SF_HtPmp	T24 CZ 14	18%	15%	29%	11%	27%	2.7
SF_HtPmp	T24 CZ 15	20%	18%	39%	11%	12%	2.3
SF_HtPmp	T24 CZ 16	7%	6%	17%	24%	47%	2.7

# ***Appendix D***

## **ASSET Model Inputs for Existing Commercial Buildings**

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The data included in this appendix are also available in MS Excel format on DVD by request.<sup>1</sup>

### **D.1 Awareness, Willingness, and Feasibility Parameters**

The analysis used the following awareness and willingness rates in 2004: If rate was less than 100% in 2004, the rate of growth was 2% per year. If the rate is listed at “1C,” the measure awareness and willingness is assumed to be constant at 100%. The awareness, willingness, and feasibility parameters are constant across climate zone within a utility.

Awareness is defined such that the percent aware is the share of decision makers within the feasible market who have been exposed to a technology and have formed an opinion about the operating characteristics of that option. Willingness is the fraction of the aware market that accepts the technology as being valid and useful. The awareness and willingness percentages were determined using professional judgment. The feasibility percentage gives the share of the applicable market for which an individual measure is feasible given limitations on size, space, required level of service, and other configuration issues. The fraction effectively divides the applicable market into a segment where the measure is feasible and a segment where it is not. The feasibility percentages were derived using professional judgment.

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<sup>1</sup> Please contact Angela Nenn via email to request a copy of the DVD. [Angela.Nenn@Itron.com](mailto:Angela.Nenn@Itron.com)

PG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
WRHCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
SMOCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
SMOCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
SCHCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
SCHCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
RSTCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
RSTCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
RETCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
RETCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
REFCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
REFCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
MSCCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
MSCCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
LGOCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
LGOCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
LDGCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
LDGCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
HLTCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
HLTCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
GRCCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
GRCCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
COLCZ01	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
COLCZ01	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
WRHCZ01	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
WRHCZ01	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
SMOCZ01	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
SMOCZ01	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
SCHCZ01	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
SCHCZ01	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
RSTCZ01	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
RSTCZ01	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
RETCZ01	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
RETCZ01	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
REFCZ01	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1



PG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ01	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
MSCCZ01	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
MSCCZ01	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
LGOCZ01	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
LGOCZ01	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
LDGCZ01	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
LDGCZ01	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
HLTCZ01	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
HLTCZ01	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
GRCCZ01	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
GRCCZ01	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
COLCZ01	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
COLCZ01	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
WRHCZ01	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
WRHCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
SMOCZ01	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
SMOCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
SCHCZ01	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
SCHCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
RSTCZ01	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
RSTCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
RETCZ01	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
RETCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
REFCZ01	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
REFCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
MSCCZ01	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
MSCCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
LGOCZ01	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
LGOCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
LDGCZ01	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
LDGCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
HLTCZ01	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
HLTCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
GRCCZ01	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
GRCCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1

PG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
COLCZ01	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
COLCZ01	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
WRHCZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
SMOCZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
SCHCZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
RSTCZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
RETCZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
REFCZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
MSCCZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
LGOZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
LDGCZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
HLTCZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
GRCCZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
COLCZ01	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
WRHCZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
SMOCZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
SCHCZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
RSTCZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
RETCZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
REFCZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
MSCCZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
LGOZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
LDGCZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
HLTCZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
GRCCZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
COLCZ01	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
WRHCZ01	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
WRHCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
SMOCZ01	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
SMOCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
SCHCZ01	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
SCHCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
RSTCZ01	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
RSTCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
RETCZ01	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1

PG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
REFCZ01	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
REFCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
MSCCZ01	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
MSCCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
LGOCZ01	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
LGOCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
LDGCZ01	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
LDGCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
HLTCZ01	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
HLTCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
GRCCZ01	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
GRCCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
COLCZ01	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
COLCZ01	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
WRHCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
SMOCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
SCHCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
RSTCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
RETCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
REFCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
MSCCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
LGOCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
LDGCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
HLTCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
GRCCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
COLCZ01	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
WRHCZ01	All	1_HV_RecChBase	HVAC1A	1 1 C		1 C	1
WRHCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
SMOCZ01	All	1_HV_RecChBase	HVAC1A	1 1 C		1 C	1
SMOCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
SCHCZ01	All	1_HV_RecChBase	HVAC1A	1 1 C		1 C	1
SCHCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
RSTCZ01	All	1_HV_RecChBase	HVAC1A	1 1 C		1 C	1
RSTCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1

PG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ01	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
RETCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
REFCZ01	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
REFCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
MSCCZ01	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
MSCCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
LGOCZ01	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
LGOCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
LDGCZ01	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
LDGCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
HLTCZ01	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
HLTCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
GRCCZ01	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
GRCCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
COLCZ01	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
COLCZ01	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
WRHCZ01	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
WRHCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
WRHCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
SMOCZ01	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
SMOCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
SMOCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
SCHCZ01	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
SCHCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
SCHCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
RSTCZ01	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
RSTCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
RSTCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
RETCZ01	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
RETCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
RETCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
REFCZ01	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
REFCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
REFCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
MSCCZ01	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1

PG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MSCCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
MSCCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
LGOCZ01	All	1_HV_PACIt65	HVAC2	1 1 C		1 C	1
LGOCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
LGOCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
LDGCZ01	All	1_HV_PACIt65	HVAC2	1 1 C		1 C	1
LDGCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
LDGCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
HLTCZ01	All	1_HV_PACIt65	HVAC2	1 1 C		1 C	1
HLTCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
HLTCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
GRCCZ01	All	1_HV_PACIt65	HVAC2	1 1 C		1 C	1
GRCCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
GRCCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
COLCZ01	All	1_HV_PACIt65	HVAC2	1 1 C		1 C	1
COLCZ01	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
COLCZ01	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
WRHCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
SMOCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
SCHCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
RSTCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
RETCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
REFCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
MSCCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
LGOCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
LDGCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
HLTCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
GRCCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
COLCZ01	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
WRHCZ01	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1
SMOCZ01	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1
SCHCZ01	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1
RSTCZ01	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1
RETCZ01	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1
REFCZ01	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1

PG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MSCCZ01	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
LGOCZ01	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
LDGCZ01	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
HLTCZ01	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
GRCCZ01	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
COLCZ01	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
WRHCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
SMOCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
SCHCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
RSTCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
RETCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
REFCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
MSCCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
LGOCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
LDGCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
HLTCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
GRCCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
COLCZ01	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
WRHCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
SMOCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
SCHCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
RSTCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
RETCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
REFCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
MSCCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
LGOCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
LDGCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
HLTCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
GRCCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
COLCZ01	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
WRHCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
SMOCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
SCHCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
RSTCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
RETCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1

PG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
MSCCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
LGOCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
LDGCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
HLTCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
GRCCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
COLCZ01	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
WRHCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
SMOCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
SCHCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
RSTCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
RETCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
REFCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
MSCCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
LGOCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
LDGCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
HLTCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
GRCCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
COLCZ01	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
WRHCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
SMOCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
SCHCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
RSTCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
RETCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
REFCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
MSCCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
LGOCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
LDGCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
HLTCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
GRCCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
COLCZ01	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
WRHCZ01	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
WRHCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
WRHCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
SMOCZ01	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1

PG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SMOCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
SMOCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
SCHCZ01	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
SCHCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
SCHCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
RSTCZ01	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
RSTCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
RSTCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
RETCZ01	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
RETCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
RETCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
REFCZ01	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
REFCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
REFCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
MSCCZ01	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
MSCCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
MSCCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
LGOCZ01	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
LGOCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
LGOCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
LDGCZ01	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
LDGCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
LDGCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
HLTCZ01	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
HLTCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
HLTCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
GRCCZ01	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
GRCCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
GRCCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
COLCZ01	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
COLCZ01	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
COLCZ01	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1



PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
SMOCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
SCHCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
RSTCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
RETCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
REFCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
MSCCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
LGOCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
LDGCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
HLTCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
GRCCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
COLCZ01	All	2_LT_DLInst	DL1	1	0.551	0.855	1
WRHCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
SMOCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
SCHCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
RSTCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
RETCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
REFCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
MSCCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
LGOCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
LDGCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
HLTCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
GRCCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
COLCZ01	All	2_LT_EXLED	EXIT1	1	1	0.909	1
WRHCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
WRHCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
SMOCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
SMOCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
SCHCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
SCHCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
RSTCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
RSTCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
RETCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
RETCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
REFCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
MSCCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
MSCCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
LGOCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
LGOCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
LDGCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
LDGCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
HLTCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
HLTCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
GRCCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
GRCCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
COLCZ01	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
COLCZ01	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
WRHCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
WRHCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
SMOCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
SMOCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
SCHCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
SCHCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
RSTCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
RSTCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
RETCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
RETCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
REFCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
REFCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
MSCCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
MSCCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
LGOCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
LGOCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
LDGCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
LDGCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
HLTCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
HLTCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
GRCCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
GRCCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
COLCZ01	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
COLCZ01	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
WRHCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
WRHCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
SMOCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
SMOCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
SCHCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
SCHCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
RSTCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
RSTCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
RETCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
RETCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
REFCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
REFCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
MSCCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
MSCCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
LGOCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
LGOCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
LDGCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
LDGCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
HLTCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
HLTCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
GRCCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
GRCCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
COLCZ01	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
COLCZ01	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
WRHCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
WRHCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
SMOCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
SMOCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
SCHCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
SCHCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
RSTCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
RSTCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
RETCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
REFCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
REFCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
MSCCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
MSCCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
LGOCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
LGOCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
LDGCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
LDGCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
HLTCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
HLTCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
GRCCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
GRCCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
COLCZ01	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
COLCZ01	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
WRHCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
WRHCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
SMOCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
SMOCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
SCHCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
SCHCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
RSTCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
RSTCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
RETCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
RETCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
REFCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
REFCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
MSCCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
MSCCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
LGOCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
LGOCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
LDGCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
LDGCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
HLTCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
HLTCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
GRCCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
GRCCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
COLCZ01	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
COLCZ01	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
WRHCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
WRHCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
SMOCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
SMOCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
SCHCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
SCHCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
RSTCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
RSTCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
RETCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
RETCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
REFCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
REFCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
MSCCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
MSCCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
LGOCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
LGOCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
LDGCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
LDGCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
HLTCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
HLTCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
GRCCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
GRCCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
COLCZ01	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
COLCZ01	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
WRHCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
WRHCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
SMOCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
SMOCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
SCHCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
SCHCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
RSTCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
RETCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
RETCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
REFCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
REFCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
MSCCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
MSCCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
LGOCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
LGOCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
LDGCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
LDGCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
HLTCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
HLTCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
GRCCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
GRCCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
COLCZ01	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
COLCZ01	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
WRHCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
WRHCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
SMOCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
SMOCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
SCHCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
SCHCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
RSTCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
RSTCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
RETCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
RETCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
REFCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
REFCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
MSCCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
MSCCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
LGOCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
LGOCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
LDGCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
LDGCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
HLTCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
HLTCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
GRCCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
GRCCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
COLCZ01	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
COLCZ01	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
WRHCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
WRHCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
SMOCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
SMOCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
SCHCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
SCHCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
RSTCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
RSTCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
RETCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
RETCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
REFCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
REFCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
MSCCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
MSCCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
LGOCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
LGOCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
LDGCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
LDGCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
HLTCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
HLTCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
GRCCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
GRCCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
COLCZ01	All	1_LT_INC200	HID1I	1	1 C	1 C	1
COLCZ01	All	2_LT_MH70i	HID1I	2	1	0.832	1
WRHCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
WRHCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
SMOCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
SMOCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
SCHCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SCHCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
RSTCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
RSTCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
RETCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
RETCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
REFCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
REFCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
MSCCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
MSCCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
LGOCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
LGOCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
LDGCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
LDGCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
HLTCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
HLTCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
GRCCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
GRCCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
COLCZ01	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
COLCZ01	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
WRHCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
WRHCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1
SMOCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
SMOCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1
SCHCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
SCHCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1
RSTCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
RSTCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1
RETCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
RETCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1
REFCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
REFCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1
MSCCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
MSCCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1
LGOCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
LGOCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1



PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LDGCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
LDGCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1
HLTCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
HLTCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1
GRCCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
GRCCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1
COLCZ01	All	1_LT_INC300	HID2I	1	1 C	1 C	1
COLCZ01	All	2_LT_MH100i	HID2I	2	1	0.832	1
WRHCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
WRHCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
SMOCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
SMOCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
SCHCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
SCHCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
RSTCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
RSTCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
RETCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
RETCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
REFCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
REFCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
MSCCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
MSCCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
LGOCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
LGOCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
LDGCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
LDGCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
HLTCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
HLTCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
GRCCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
GRCCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
COLCZ01	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
COLCZ01	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
WRHCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
WRHCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
SMOCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SMOCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
SCHCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
SCHCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
RSTCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
RSTCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
RETCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
RETCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
REFCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
REFCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
MSCCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
MSCCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
LGOCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
LGOCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
LDGCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
LDGCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
HLTCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
HLTCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
GRCCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
GRCCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
COLCZ01	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
COLCZ01	All	2_LT_MH175i	HID3I	2	1	0.832	1
WRHCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
WRHCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
SMOCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
SMOCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
SCHCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
SCHCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
RSTCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
RSTCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
RETCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
RETCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
REFCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
REFCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
MSCCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
MSCCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LGOCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
LGOCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
LDGCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
LDGCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
HLTCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
HLTCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
GRCCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
GRCCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
COLCZ01	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
COLCZ01	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
WRHCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
WRHCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
SMOCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
SMOCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
SCHCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
SCHCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
RSTCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
RSTCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
RETCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
RETCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
REFCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
REFCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
MSCCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
MSCCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
LGOCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
LGOCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
LDGCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
LDGCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
HLTCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
HLTCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
GRCCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
GRCCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
COLCZ01	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
COLCZ01	All	2_LT_MH250i	HID4I	2	1	0.832	1
WRHCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
SMOCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
SMOCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
SCHCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
SCHCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
RSTCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
RSTCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
RETCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
RETCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
REFCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
REFCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
MSCCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
MSCCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
LGOCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
LGOCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
LDGCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
LDGCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
HLTCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
HLTCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
GRCCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
GRCCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
COLCZ01	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
COLCZ01	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
WRHCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
WRHCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
WRHCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
SMOCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
SMOCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
SMOCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
SCHCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
SCHCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
SCHCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
RSTCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
RSTCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
RSTCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
RETCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
RETCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
REFCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
REFCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
REFCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
MSCCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
MSCCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
MSCCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
LGOCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
LGOCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
LGOCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
LDGCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
LDGCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
LDGCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
HLTCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
HLTCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
HLTCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
GRCCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
GRCCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
GRCCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
COLCZ01	All	1_LT_MH400	HID6	1	1 C	1 C	1
COLCZ01	All	2_LT_PS320	HID6	2	1	0.832	1
COLCZ01	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
WRHCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
WRHCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
WRHCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
SMOCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
SMOCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
SMOCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
SCHCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
SCHCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
SCHCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
RSTCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
RSTCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
RETCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
RETCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
RETCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
REFCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
REFCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
REFCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
MSCCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
MSCCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
MSCCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
LGOCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
LGOCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
LGOCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
LDGCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
LDGCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
LDGCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
HLTCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
HLTCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
HLTCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
GRCCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
GRCCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
GRCCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
COLCZ01	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
COLCZ01	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
COLCZ01	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
WRHCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1
WRHCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
WRHCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
SMOCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1
SMOCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
SMOCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
SCHCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1
SCHCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
SCHCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
RSTCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
RSTCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
RETCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1
RETCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
RETCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
REFCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1
REFCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
REFCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
MSCCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1
MSCCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
MSCCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
LGOCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1
LGOCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
LGOCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
LDGCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1
LDGCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
LDGCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
HLTCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1
HLTCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
HLTCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
GRCCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1
GRCCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
GRCCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
COLCZ01	All	1_LT_INC60	INCAN2	1	1 C	1 C	1
COLCZ01	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
COLCZ01	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
WRHCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
WRHCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
WRHCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
SMOCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
SMOCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
SMOCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
SCHCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
SCHCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
SCHCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
RSTCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
RSTCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
RETCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
RETCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
RETCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
REFCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
REFCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
REFCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
MSCCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
MSCCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
MSCCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
LGOCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
LGOCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
LGOCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
LDGCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
LDGCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
LDGCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
HLTCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
HLTCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
HLTCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
GRCCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
GRCCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
GRCCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
COLCZ01	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
COLCZ01	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
COLCZ01	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
WRHCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
WRHCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
WRHCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
SMOCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
SMOCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
SMOCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
SCHCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
SCHCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1



PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SCHCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
RSTCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
RSTCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
RSTCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
RETCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
RETCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
RETCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
REFCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
REFCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
REFCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
MSCCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
MSCCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
MSCCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
LGOCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
LGOCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
LGOCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
LDGCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
LDGCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
LDGCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
HLTCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
HLTCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
HLTCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
GRCCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
GRCCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
GRCCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
COLCZ01	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
COLCZ01	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
COLCZ01	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
WRHCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1
WRHCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
SMOCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1
SMOCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
SCHCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1
SCHCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
RSTCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
RETCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1
RETCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
REFCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1
REFCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
MSCCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1
MSCCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
LGOCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1
LGOCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
LDGCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1
LDGCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
HLTCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1
HLTCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
GRCCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1
GRCCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
COLCZ01	All	1_LT_IRIP60	INCAN6	1	1 C	1 C	1
COLCZ01	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
WRHCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
SMOCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
SCHCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
RSTCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
RETCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
REFCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
MSCCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
LGOCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
LDGCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
HLTCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
GRCCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
COLCZ01	All	2_LT_OCCMS	OCC1	1	1	1	1
WRHCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
SMOCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
SCHCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
RSTCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
RETCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
REFCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MSCCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
LGOCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
LDGCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
HLTCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
GRCCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
COLCZ01	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
WRHCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
WRHCZ01	All	2_LT_PCPC	PC1	2	1	1	1
WRHCZ01	All	3_LT_PCTC	PC1	3	1	1	1
WRHCZ01	All	4_LT_PCPT	PC1	4	1	1	1
SMOCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
SMOCZ01	All	2_LT_PCPC	PC1	2	1	1	1
SMOCZ01	All	3_LT_PCTC	PC1	3	1	1	1
SMOCZ01	All	4_LT_PCPT	PC1	4	1	1	1
SCHCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
SCHCZ01	All	2_LT_PCPC	PC1	2	1	1	1
SCHCZ01	All	3_LT_PCTC	PC1	3	1	1	1
SCHCZ01	All	4_LT_PCPT	PC1	4	1	1	1
RSTCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
RSTCZ01	All	2_LT_PCPC	PC1	2	1	1	1
RSTCZ01	All	3_LT_PCTC	PC1	3	1	1	1
RSTCZ01	All	4_LT_PCPT	PC1	4	1	1	1
RETCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
RETCZ01	All	2_LT_PCPC	PC1	2	1	1	1
RETCZ01	All	3_LT_PCTC	PC1	3	1	1	1
RETCZ01	All	4_LT_PCPT	PC1	4	1	1	1
REFCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
REFCZ01	All	2_LT_PCPC	PC1	2	1	1	1
REFCZ01	All	3_LT_PCTC	PC1	3	1	1	1
REFCZ01	All	4_LT_PCPT	PC1	4	1	1	1
MSCCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
MSCCZ01	All	2_LT_PCPC	PC1	2	1	1	1
MSCCZ01	All	3_LT_PCTC	PC1	3	1	1	1
MSCCZ01	All	4_LT_PCPT	PC1	4	1	1	1
LGOCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LGOCZ01	All	2_LT_PCPC	PC1	2	1	1	1
LGOCZ01	All	3_LT_PCTC	PC1	3	1	1	1
LGOCZ01	All	4_LT_PCPT	PC1	4	1	1	1
LDGCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
LDGCZ01	All	2_LT_PCPC	PC1	2	1	1	1
LDGCZ01	All	3_LT_PCTC	PC1	3	1	1	1
LDGCZ01	All	4_LT_PCPT	PC1	4	1	1	1
HLTCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
HLTCZ01	All	2_LT_PCPC	PC1	2	1	1	1
HLTCZ01	All	3_LT_PCTC	PC1	3	1	1	1
HLTCZ01	All	4_LT_PCPT	PC1	4	1	1	1
GRCCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
GRCCZ01	All	2_LT_PCPC	PC1	2	1	1	1
GRCCZ01	All	3_LT_PCTC	PC1	3	1	1	1
GRCCZ01	All	4_LT_PCPT	PC1	4	1	1	1
COLCZ01	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
COLCZ01	All	2_LT_PCPC	PC1	2	1	1	1
COLCZ01	All	3_LT_PCTC	PC1	3	1	1	1
COLCZ01	All	4_LT_PCPT	PC1	4	1	1	1
WRHCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
SMOCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
SCHCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
RSTCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
RETCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
REFCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
MSCCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
LGOCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
LDGCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
HLTCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
GRCCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
COLCZ01	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
WRHCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
SMOCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
SCHCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
RSTCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1

PG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
REFCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
MSCCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
LGOCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
LDGCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
HLTCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
GRCCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
COLCZ01	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1

PG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
WRHCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
SMOCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
SMOCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
SCHCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
SCHCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
RSTCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
RSTCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
RETCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
RETCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
REFCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
REFCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
MSCCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
MSCCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
LGOCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
LGOCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
LDGCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
LDGCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
HLTCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
HLTCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
GRCCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
GRCCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
COLCZ01	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
COLCZ01	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
WRHCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
WRHCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
SMOCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
SMOCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
SCHCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
SCHCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
RSTCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
RSTCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
RETCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
RETCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
REFCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1

PG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
MSCCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
MSCCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
LGOCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
LGOCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
LDGCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
LDGCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
HLTCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
HLTCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
GRCCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
GRCCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
COLCZ01	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
COLCZ01	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
WRHCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
WRHCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
SMOCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
SMOCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
SCHCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
SCHCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
RSTCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
RSTCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
RETCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
RETCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
REFCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
REFCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
MSCCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
MSCCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
LGOCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
LGOCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
LDGCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
LDGCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
HLTCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
HLTCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
GRCCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
GRCCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1

PG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
COLCZ01	All	1_CK_Oven	COOK3	1	1 C	1 C	1
COLCZ01	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
WRHCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
WRHCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
SMOCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
SMOCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
SCHCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
SCHCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
RSTCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
RSTCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
RETCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
RETCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
REFCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
REFCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
MSCCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
MSCCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
LGOCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
LGOCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
LDGCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
LDGCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
HLTCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
HLTCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
GRCCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
GRCCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
COLCZ01	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
COLCZ01	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
WRHCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
WRHCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
SMOCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
SMOCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
SCHCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
SCHCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
RSTCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
RSTCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
RETCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1



PG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
REFCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
REFCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
MSCCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
MSCCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
LGOCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
LGOCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
LDGCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
LDGCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
HLTCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
HLTCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
GRCCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
GRCCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
COLCZ01	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
COLCZ01	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
WRHCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
WRHCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
SMOCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
SMOCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
SCHCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
SCHCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
RSTCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
RSTCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
RETCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
RETCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
REFCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
REFCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
MSCCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
MSCCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
LGOCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
LGOCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
LDGCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
LDGCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
HLTCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
HLTCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1

PG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
GRCCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
GRCCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
COLCZ01	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
COLCZ01	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
WRHCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
WRHCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
SMOCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
SMOCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
SCHCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
SCHCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
RSTCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
RSTCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
RETCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
RETCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
REFCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
REFCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
MSCCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
MSCCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
LGOCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
LGOCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
LDGCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
LDGCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
HLTCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
HLTCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
GRCCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
GRCCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
COLCZ01	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
COLCZ01	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
WRHCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
SMOCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
SCHCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
RSTCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
RETCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
REFCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
MSCCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1

PG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LGOCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
LDGCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
HLTCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
GRCCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
COLCZ01	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
WRHCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
SMOCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
SCHCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
RSTCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
RETCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
REFCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
MSCCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
LGOCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
LDGCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
HLTCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
GRCCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
COLCZ01	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
WRHCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
WRHCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
SMOCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
SMOCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
SCHCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
SCHCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
RSTCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
RSTCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
RETCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
RETCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
REFCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
REFCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
MSCCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
MSCCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
LGOCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
LGOCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
LDGCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
LDGCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1

PG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
HLTCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
HLTCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
GRCCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
GRCCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
COLCZ01	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
COLCZ01	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
WRHCZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
WRHCZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
WRHCZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
SMOCZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
SMOCZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
SMOCZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
SCHCZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
SCHCZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
SCHCZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
RSTCZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
RSTCZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
RSTCZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
RETCZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
RETCZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
RETCZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
REFCZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
REFCZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
REFCZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
MSCCZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
MSCCZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
MSCCZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
LGO CZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
LGO CZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
LGO CZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
LDGCZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
LDGCZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
LDGCZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
HLTCZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
HLTCZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1

PG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
HLTCZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
GRCCZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
GRCCZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
GRCCZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
COLCZ01	All	1_WH_Storage	WATER2	1	1 C	1 C	1
COLCZ01	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
COLCZ01	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
WRHCZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
SMOCZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
SCHCZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
RSTCZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
RETCZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
REFCZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
MSCCZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
LGOZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
LDGCZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
HLTCZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
GRCCZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
COLCZ01	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1

PG&E Commercial Refrigeration  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ01	All	2_REF_ASHCtrl	REF_ASH	2	1 C	1 C	1
GRCCZ01	All	2_REF_ASHCtrl	REF_ASH	2	1 C	1 C	1
REFCZ01	All	1_REF_Conv2MPX	REF_CONVSL2MPX	1	1 C	1 C	1
REFCZ01	All	2_REF_HEMPX	REF_CONVSL2MPX	2	0.728	0.832	1
GRCCZ01	All	1_REF_Conv2MPX	REF_CONVSL2MPX	1	1 C	1 C	1
GRCCZ01	All	2_REF_HEMPX	REF_CONVSL2MPX	2	0.728	0.832	1
REFCZ01	All	1_REF_DCFanStd	REF_DCEVAPMTR	1	1 C	1 C	1
REFCZ01	All	2_REF_DCFanPSC	REF_DCEVAPMTR	2	0.728	0.832	1
REFCZ01	All	3_REF_DCFanECM	REF_DCEVAPMTR	3	0.728	0.832	1
GRCCZ01	All	1_REF_DCFanStd	REF_DCEVAPMTR	1	1 C	1 C	1
GRCCZ01	All	2_REF_DCFanPSC	REF_DCEVAPMTR	2	0.728	0.832	1
GRCCZ01	All	3_REF_DCFanECM	REF_DCEVAPMTR	3	0.728	0.832	1
REFCZ01	All	2_REF_GIDrLowHE	REF_GLASSDRLOW	2	0.728	0.832	1
GRCCZ01	All	2_REF_GIDrLowHE	REF_GLASSDRLOW	2	0.728	0.832	1
REFCZ01	All	2_REF_GIDrMedHE	REF_GLASSDRMED	2	0.728	0.832	1
GRCCZ01	All	2_REF_GIDrMedHE	REF_GLASSDRMED	2	0.728	0.832	1
REFCZ01	All	1_REF_StdLTComp	REF_LTCONVCOMP	1	1 C	1 C	1
REFCZ01	All	2_REF_HELTComp	REF_LTCONVCOMP	2	0.728	0.832	1
GRCCZ01	All	1_REF_StdLTComp	REF_LTCONVCOMP	1	1 C	1 C	1
GRCCZ01	All	2_REF_HELTComp	REF_LTCONVCOMP	2	0.728	0.832	1
REFCZ01	All	1_REF_MPXStdCnd	REF_MPXEFFCOND	1	1 C	1 C	1
REFCZ01	All	2_REF_MPXOvrCnd	REF_MPXEFFCOND	2	0.728	0.832	0.4
GRCCZ01	All	1_REF_MPXStdCnd	REF_MPXEFFCOND	1	1 C	1 C	1
GRCCZ01	All	2_REF_MPXOvrCnd	REF_MPXEFFCOND	2	0.728	0.832	0.4
REFCZ01	All	2_REF_MPXFHP	REF_MPXFHP	2	1 C	1 C	1
GRCCZ01	All	2_REF_MPXFHP	REF_MPXFHP	2	1 C	1 C	1
REFCZ01	All	2_REF_NtCvCfHE	REF_NITECVRCOF	2	0.728	0.832	1
GRCCZ01	All	2_REF_NtCvCfHE	REF_NITECVRCOF	2	0.728	0.832	1
REFCZ01	All	2_REF_NtCvMdHE	REF_NITECVRMLT	2	0.728	0.832	1
GRCCZ01	All	2_REF_NtCvMdHE	REF_NITECVRMLT	2	0.728	0.832	1
REFCZ01	All	2_REF_WICrtnHE	REF_WI	2	0.728	0.832	1
GRCCZ01	All	2_REF_WICrtnHE	REF_WI	2	0.728	0.832	1
REFCZ01	All	2_REF_WIFnCtlHE	REF_WIEVAP	2	0.728	0.832	1
GRCCZ01	All	2_REF_WIFnCtlHE	REF_WIEVAP	2	0.728	0.832	1
REFCZ01	All	1_REF_WIFanStd	REF_WIEVAPMTR	1	1 C	1 C	1
REFCZ01	All	2_REF_WIFanECM	REF_WIEVAPMTR	2	0.728	0.832	1

PG&E Commercial Refrigeration  
 Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
GRCCZ01	All	1_REF_WIFanStd	REF_WIEVAPMTR	1	1 C	1 C	1
GRCCZ01	All	2_REF_WIFanECM	REF_WIEVAPMTR	2	0.728	0.832	1

SCE Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
WRHCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
SMOCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
SMOCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
SCHCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
SCHCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
RSTCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
RSTCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
RETCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
RETCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
REFCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
REFCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
MSCCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
MSCCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
LGOCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
LGOCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
LDGCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
LDGCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
HLTCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
HLTCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
GRCCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
GRCCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
COLCZ06	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
COLCZ06	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
WRHCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
WRHCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
SMOCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
SMOCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
SCHCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
SCHCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
RSTCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
RSTCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
RETCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
RETCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
REFCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1



SCE Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
MSCCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
MSCCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
LGOCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
LGOCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
LDGCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
LDGCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
HLTCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
HLTCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
GRCCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
GRCCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
COLCZ06	All	1_HV_PTUlt24	HVAC10	1	1 C	1 C	1
COLCZ06	All	2_HV_PTUlt24HE	HVAC10	2	0.728	0.832	1
WRHCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
WRHCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
SMOCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
SMOCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
SCHCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
SCHCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
RSTCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
RSTCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
RETCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
RETCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
REFCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
REFCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
MSCCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
MSCCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
LGOCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
LGOCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
LDGCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
LDGCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
HLTCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
HLTCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
GRCCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
GRCCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1

SCE Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
COLCZ06	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
COLCZ06	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
WRHCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
SMOCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
SCHCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
RSTCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
RETCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
REFCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
MSCCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
LGOCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
LDGCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
HLTCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
GRCCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
COLCZ06	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
WRHCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
SMOCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
SCHCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
RSTCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
RETCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
REFCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
MSCCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
LGOCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
LDGCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
HLTCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
GRCCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
COLCZ06	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
WRHCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
WRHCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
SMOCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
SMOCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
SCHCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
SCHCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
RSTCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
RSTCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
RETCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1

SCE Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
REFCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
REFCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
MSCCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
MSCCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
LGOCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
LGOCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
LDGCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
LDGCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
HLTCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
HLTCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
GRCCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
GRCCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
COLCZ06	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
COLCZ06	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
WRHCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
SMOCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
SCHCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
RSTCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
RETCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
REFCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
MSCCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
LGOCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
LDGCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
HLTCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
GRCCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
COLCZ06	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
WRHCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
WRHCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
SMOCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
SMOCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
SCHCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
SCHCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
RSTCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
RSTCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1

SCE Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
RETCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
REFCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
REFCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
MSCCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
MSCCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
LGOCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
LGOCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
LDGCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
LDGCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
HLTCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
HLTCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
GRCCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
GRCCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
COLCZ06	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
COLCZ06	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
WRHCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
WRHCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
WRHCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
SMOCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
SMOCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
SMOCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
SCHCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
SCHCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
SCHCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
RSTCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
RSTCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
RSTCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
RETCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
RETCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
RETCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
REFCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
REFCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
REFCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
MSCCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1

SCE Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MSCCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
MSCCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
LGOCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
LGOCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
LGOCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
LDGCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
LDGCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
LDGCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
HLTCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
HLTCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
HLTCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
GRCCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
GRCCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
GRCCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
COLCZ06	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
COLCZ06	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
COLCZ06	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
WRHCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
SMOCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
SCHCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
RSTCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
RETCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
REFCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
MSCCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
LGOCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
LDGCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
HLTCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
GRCCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
COLCZ06	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
WRHCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
SMOCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
SCHCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
RSTCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
RETCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
REFCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1

SCE Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MSCCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
LGOCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
LDGCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
HLTCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
GRCCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
COLCZ06	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
WRHCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
SMOCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
SCHCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
RSTCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
RETCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
REFCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
MSCCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
LGOCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
LDGCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
HLTCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
GRCCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
COLCZ06	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
WRHCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
SMOCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
SCHCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
RSTCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
RETCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
REFCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
MSCCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
LGOCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
LDGCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
HLTCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
GRCCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
COLCZ06	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
WRHCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
SMOCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
SCHCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
RSTCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
RETCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1

SCE Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
MSCCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
LGOCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
LDGCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
HLTCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
GRCCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
COLCZ06	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
WRHCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
SMOCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
SCHCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
RSTCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
RETCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
REFCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
MSCCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
LGOCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
LDGCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
HLTCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
GRCCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
COLCZ06	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
WRHCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
SMOCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
SCHCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
RSTCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
RETCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
REFCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
MSCCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
LGOCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
LDGCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
HLTCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
GRCCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
COLCZ06	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
WRHCZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
WRHCZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
WRHCZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
SMOCZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1

SCE Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SMOCZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
SMOCZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
SCHCZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
SCHCZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
SCHCZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
RSTCZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
RSTCZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
RSTCZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
RETCZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
RETCZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
RETCZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
REFCZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
REFCZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
REFCZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
MSCCZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
MSCCZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
MSCCZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
LGOZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
LGOZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
LGOZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
LDGCZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
LDGCZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
LDGCZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
HLTCZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
HLTCZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
HLTCZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
GRCCZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
GRCCZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
GRCCZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
COLCZ06	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
COLCZ06	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
COLCZ06	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1



SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
SMOCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
SCHCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
RSTCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
RETCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
REFCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
MSCCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
LGOCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
LDGCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
HLTCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
GRCCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
COLCZ06	All	2_LT_DLInst	DL1	1	0.551	0.855	1
WRHCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
SMOCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
SCHCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
RSTCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
RETCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
REFCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
MSCCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
LGOCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
LDGCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
HLTCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
GRCCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
COLCZ06	All	2_LT_EXLED	EXIT1	1	1	0.909	1
WRHCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
WRHCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
SMOCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
SMOCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
SCHCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
SCHCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
RSTCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
RSTCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
RETCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
RETCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
REFCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
MSCCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
MSCCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
LGOCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
LGOCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
LDGCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
LDGCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
HLTCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
HLTCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
GRCCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
GRCCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
COLCZ06	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
COLCZ06	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
WRHCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
WRHCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
SMOCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
SMOCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
SCHCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
SCHCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
RSTCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
RSTCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
RETCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
RETCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
REFCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
REFCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
MSCCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
MSCCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
LGOCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
LGOCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
LDGCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
LDGCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
HLTCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
HLTCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
GRCCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
GRCCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
COLCZ06	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
COLCZ06	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
WRHCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
WRHCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
SMOCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
SMOCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
SCHCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
SCHCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
RSTCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
RSTCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
RETCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
RETCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
REFCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
REFCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
MSCCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
MSCCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
LGOCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
LGOCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
LDGCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
LDGCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
HLTCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
HLTCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
GRCCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
GRCCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
COLCZ06	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
COLCZ06	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
WRHCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
WRHCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
SMOCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
SMOCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
SCHCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
SCHCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
RSTCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
RSTCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
RETCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
REFCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
REFCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
MSCCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
MSCCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
LGOCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
LGOCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
LDGCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
LDGCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
HLTCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
HLTCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
GRCCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
GRCCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
COLCZ06	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
COLCZ06	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
WRHCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
WRHCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
SMOCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
SMOCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
SCHCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
SCHCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
RSTCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
RSTCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
RETCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
RETCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
REFCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
REFCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
MSCCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
MSCCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
LGOCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
LGOCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
LDGCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
LDGCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
HLTCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
HLTCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
GRCCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
GRCCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
COLCZ06	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
COLCZ06	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
WRHCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
WRHCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
SMOCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
SMOCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
SCHCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
SCHCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
RSTCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
RSTCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
RETCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
RETCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
REFCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
REFCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
MSCCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
MSCCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
LGOCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
LGOCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
LDGCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
LDGCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
HLTCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
HLTCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
GRCCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
GRCCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
COLCZ06	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
COLCZ06	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
WRHCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
WRHCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
SMOCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
SMOCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
SCHCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
SCHCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
RSTCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
RETCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
RETCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
REFCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
REFCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
MSCCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
MSCCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
LGOCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
LGOCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
LDGCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
LDGCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
HLTCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
HLTCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
GRCCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
GRCCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
COLCZ06	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
COLCZ06	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
WRHCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
WRHCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
SMOCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
SMOCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
SCHCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
SCHCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
RSTCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
RSTCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
RETCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
RETCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
REFCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
REFCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
MSCCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
MSCCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
LGOCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
LGOCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
LDGCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
LDGCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
HLTCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
HLTCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
GRCCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
GRCCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
COLCZ06	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
COLCZ06	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
WRHCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
WRHCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
SMOCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
SMOCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
SCHCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
SCHCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
RSTCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
RSTCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
RETCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
RETCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
REFCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
REFCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
MSCCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
MSCCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
LGOCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
LGOCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
LDGCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
LDGCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
HLTCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
HLTCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
GRCCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
GRCCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
COLCZ06	All	1_LT_INC200	HID1I	1	1 C	1 C	1
COLCZ06	All	2_LT_MH70i	HID1I	2	1	0.832	1
WRHCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
WRHCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
SMOCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
SMOCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
SCHCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SCHCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
RSTCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
RSTCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
RETCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
RETCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
REFCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
REFCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
MSCCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
MSCCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
LGOCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
LGOCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
LDGCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
LDGCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
HLTCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
HLTCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
GRCCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
GRCCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
COLCZ06	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
COLCZ06	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
WRHCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
WRHCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1
SMOCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
SMOCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1
SCHCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
SCHCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1
RSTCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
RSTCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1
RETCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
RETCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1
REFCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
REFCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1
MSCCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
MSCCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1
LGOCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
LGOCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1



SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LDGCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
LDGCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1
HLTCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
HLTCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1
GRCCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
GRCCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1
COLCZ06	All	1_LT_INC300	HID2I	1	1 C	1 C	1
COLCZ06	All	2_LT_MH100i	HID2I	2	1	0.832	1
WRHCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
WRHCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
SMOCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
SMOCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
SCHCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
SCHCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
RSTCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
RSTCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
RETCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
RETCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
REFCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
REFCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
MSCCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
MSCCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
LGOCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
LGOCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
LDGCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
LDGCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
HLTCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
HLTCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
GRCCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
GRCCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
COLCZ06	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
COLCZ06	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
WRHCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
WRHCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
SMOCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SMOCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
SCHCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
SCHCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
RSTCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
RSTCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
RETCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
RETCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
REFCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
REFCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
MSCCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
MSCCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
LGOCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
LGOCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
LDGCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
LDGCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
HLTCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
HLTCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
GRCCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
GRCCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
COLCZ06	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
COLCZ06	All	2_LT_MH175i	HID3I	2	1	0.832	1
WRHCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
WRHCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
SMOCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
SMOCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
SCHCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
SCHCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
RSTCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
RSTCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
RETCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
RETCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
REFCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
REFCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
MSCCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
MSCCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LGOCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
LGOCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
LDGCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
LDGCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
HLTCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
HLTCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
GRCCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
GRCCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
COLCZ06	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
COLCZ06	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
WRHCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
WRHCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
SMOCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
SMOCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
SCHCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
SCHCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
RSTCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
RSTCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
RETCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
RETCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
REFCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
REFCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
MSCCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
MSCCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
LGOCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
LGOCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
LDGCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
LDGCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
HLTCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
HLTCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
GRCCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
GRCCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
COLCZ06	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
COLCZ06	All	2_LT_MH250i	HID4I	2	1	0.832	1
WRHCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
SMOCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
SMOCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
SCHCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
SCHCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
RSTCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
RSTCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
RETCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
RETCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
REFCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
REFCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
MSCCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
MSCCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
LGOCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
LGOCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
LDGCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
LDGCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
HLTCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
HLTCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
GRCCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
GRCCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
COLCZ06	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
COLCZ06	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
WRHCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
WRHCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
WRHCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
SMOCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
SMOCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
SMOCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
SCHCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
SCHCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
SCHCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
RSTCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
RSTCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
RSTCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
RETCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
RETCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
REFCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
REFCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
REFCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
MSCCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
MSCCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
MSCCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
LGOCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
LGOCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
LGOCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
LDGCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
LDGCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
LDGCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
HLTCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
HLTCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
HLTCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
GRCCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
GRCCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
GRCCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
COLCZ06	All	1_LT_MH400	HID6	1	1 C	1 C	1
COLCZ06	All	2_LT_PS320	HID6	2	1	0.832	1
COLCZ06	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
WRHCZ06	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
WRHCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
WRHCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
SMOCZ06	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
SMOCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
SMOCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
SCHCZ06	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
SCHCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
SCHCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
RSTCZ06	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
RSTCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
RETCZ06	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
RETCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
RETCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
REFCZ06	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
REFCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
REFCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
MSCCZ06	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
MSCCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
MSCCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
LGOCZ06	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
LGOCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
LGOCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
LDGCZ06	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
LDGCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
LDGCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
HLTCZ06	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
HLTCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
HLTCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
GRCCZ06	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
GRCCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
GRCCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
COLCZ06	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
COLCZ06	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
COLCZ06	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
WRHCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
WRHCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
WRHCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
SMOCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
SMOCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
SMOCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
SCHCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
SCHCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
SCHCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
RSTCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
RSTCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
RETCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
RETCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
RETCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
REFCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
REFCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
REFCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
MSCCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
MSCCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
MSCCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
LGOCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
LGOCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
LGOCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
LDGCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
LDGCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
LDGCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
HLTCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
HLTCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
HLTCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
GRCCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
GRCCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
GRCCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
COLCZ06	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
COLCZ06	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
COLCZ06	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
WRHCZ06	All	1_LT_INC75	INCAN3	1 1 C		1 C	1
WRHCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
WRHCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
SMOCZ06	All	1_LT_INC75	INCAN3	1 1 C		1 C	1
SMOCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
SMOCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
SCHCZ06	All	1_LT_INC75	INCAN3	1 1 C		1 C	1
SCHCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
SCHCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ06	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
RSTCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
RSTCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
RETCZ06	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
RETCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
RETCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
REFCZ06	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
REFCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
REFCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
MSCCZ06	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
MSCCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
MSCCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
LGOCZ06	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
LGOCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
LGOCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
LDGCZ06	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
LDGCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
LDGCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
HLTCZ06	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
HLTCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
HLTCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
GRCCZ06	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
GRCCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
GRCCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
COLCZ06	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
COLCZ06	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
COLCZ06	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
WRHCZ06	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
WRHCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
WRHCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
SMOCZ06	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
SMOCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
SMOCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
SCHCZ06	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
SCHCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1



SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SCHCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
RSTCZ06	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
RSTCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
RSTCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
RETCZ06	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
RETCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
RETCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
REFCZ06	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
REFCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
REFCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
MSCCZ06	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
MSCCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
MSCCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
LGOCZ06	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
LGOCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
LGOCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
LDGCZ06	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
LDGCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
LDGCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
HLTCZ06	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
HLTCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
HLTCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
GRCCZ06	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
GRCCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
GRCCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
COLCZ06	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
COLCZ06	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
COLCZ06	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
WRHCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
WRHCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
SMOCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
SMOCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
SCHCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
SCHCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
RSTCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
RETCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
RETCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
REFCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
REFCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
MSCCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
MSCCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
LGOCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
LGOCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
LDGCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
LDGCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
HLTCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
HLTCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
GRCCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
GRCCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
COLCZ06	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
COLCZ06	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
WRHCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
SMOCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
SCHCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
RSTCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
RETCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
REFCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
MSCCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
LGOCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
LDGCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
HLTCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
GRCCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
COLCZ06	All	2_LT_OCCMS	OCC1	1	1	1	1
WRHCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
SMOCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
SCHCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
RSTCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
RETCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
REFCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MSCCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
LGOCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
LDGCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
HLTCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
GRCCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
COLCZ06	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
WRHCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
WRHCZ06	All	2_LT_PCPC	PC1	2	1	1	1
WRHCZ06	All	3_LT_PCTC	PC1	3	1	1	1
WRHCZ06	All	4_LT_PCPT	PC1	4	1	1	1
SMOCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
SMOCZ06	All	2_LT_PCPC	PC1	2	1	1	1
SMOCZ06	All	3_LT_PCTC	PC1	3	1	1	1
SMOCZ06	All	4_LT_PCPT	PC1	4	1	1	1
SCHCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
SCHCZ06	All	2_LT_PCPC	PC1	2	1	1	1
SCHCZ06	All	3_LT_PCTC	PC1	3	1	1	1
SCHCZ06	All	4_LT_PCPT	PC1	4	1	1	1
RSTCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
RSTCZ06	All	2_LT_PCPC	PC1	2	1	1	1
RSTCZ06	All	3_LT_PCTC	PC1	3	1	1	1
RSTCZ06	All	4_LT_PCPT	PC1	4	1	1	1
RETCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
RETCZ06	All	2_LT_PCPC	PC1	2	1	1	1
RETCZ06	All	3_LT_PCTC	PC1	3	1	1	1
RETCZ06	All	4_LT_PCPT	PC1	4	1	1	1
REFCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
REFCZ06	All	2_LT_PCPC	PC1	2	1	1	1
REFCZ06	All	3_LT_PCTC	PC1	3	1	1	1
REFCZ06	All	4_LT_PCPT	PC1	4	1	1	1
MSCCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
MSCCZ06	All	2_LT_PCPC	PC1	2	1	1	1
MSCCZ06	All	3_LT_PCTC	PC1	3	1	1	1
MSCCZ06	All	4_LT_PCPT	PC1	4	1	1	1
LGOCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LGOCZ06	All	2_LT_PCPC	PC1	2	1	1	1
LGOCZ06	All	3_LT_PCTC	PC1	3	1	1	1
LGOCZ06	All	4_LT_PCPT	PC1	4	1	1	1
LDGCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
LDGCZ06	All	2_LT_PCPC	PC1	2	1	1	1
LDGCZ06	All	3_LT_PCTC	PC1	3	1	1	1
LDGCZ06	All	4_LT_PCPT	PC1	4	1	1	1
HLTCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
HLTCZ06	All	2_LT_PCPC	PC1	2	1	1	1
HLTCZ06	All	3_LT_PCTC	PC1	3	1	1	1
HLTCZ06	All	4_LT_PCPT	PC1	4	1	1	1
GRCCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
GRCCZ06	All	2_LT_PCPC	PC1	2	1	1	1
GRCCZ06	All	3_LT_PCTC	PC1	3	1	1	1
GRCCZ06	All	4_LT_PCPT	PC1	4	1	1	1
COLCZ06	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
COLCZ06	All	2_LT_PCPC	PC1	2	1	1	1
COLCZ06	All	3_LT_PCTC	PC1	3	1	1	1
COLCZ06	All	4_LT_PCPT	PC1	4	1	1	1
WRHCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
SMOCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
SCHCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
RSTCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
RETCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
REFCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
MSCCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
LGOCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
LDGCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
HLTCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
GRCCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
COLCZ06	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
WRHCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
SMOCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
SCHCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
RSTCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1

SCE Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
REFCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
MSCCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
LGOCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
LDGCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
HLTCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
GRCCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
COLCZ06	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1

SCE Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
WRHCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
SMOCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
SMOCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
SCHCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
SCHCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
RSTCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
RSTCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
RETCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
RETCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
REFCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
REFCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
MSCCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
MSCCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
LGOCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
LGOCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
LDGCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
LDGCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
HLTCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
HLTCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
GRCCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
GRCCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
COLCZ06	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
COLCZ06	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
WRHCZ06	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
WRHCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
SMOCZ06	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
SMOCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
SCHCZ06	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
SCHCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
RSTCZ06	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
RSTCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
RETCZ06	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
RETCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
REFCZ06	All	1_CK_PzOven	COOK2	1	1 C	1 C	1

SCE Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
MSCCZ06	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
MSCCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
LGOCZ06	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
LGOCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
LDGCZ06	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
LDGCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
HLTCZ06	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
HLTCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
GRCCZ06	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
GRCCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
COLCZ06	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
COLCZ06	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
WRHCZ06	All	1_CK_Oven	COOK3	1 1 C		1 C	1
WRHCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
SMOCZ06	All	1_CK_Oven	COOK3	1 1 C		1 C	1
SMOCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
SCHCZ06	All	1_CK_Oven	COOK3	1 1 C		1 C	1
SCHCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
RSTCZ06	All	1_CK_Oven	COOK3	1 1 C		1 C	1
RSTCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
RETCZ06	All	1_CK_Oven	COOK3	1 1 C		1 C	1
RETCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
REFCZ06	All	1_CK_Oven	COOK3	1 1 C		1 C	1
REFCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
MSCCZ06	All	1_CK_Oven	COOK3	1 1 C		1 C	1
MSCCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
LGOCZ06	All	1_CK_Oven	COOK3	1 1 C		1 C	1
LGOCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
LDGCZ06	All	1_CK_Oven	COOK3	1 1 C		1 C	1
LDGCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
HLTCZ06	All	1_CK_Oven	COOK3	1 1 C		1 C	1
HLTCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
GRCCZ06	All	1_CK_Oven	COOK3	1 1 C		1 C	1
GRCCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1

SCE Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
COLCZ06	All	1_CK_Oven	COOK3	1	1 C	1 C	1
COLCZ06	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
WRHCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
WRHCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
SMOCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
SMOCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
SCHCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
SCHCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
RSTCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
RSTCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
RETCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
RETCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
REFCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
REFCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
MSCCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
MSCCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
LGOCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
LGOCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
LDGCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
LDGCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
HLTCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
HLTCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
GRCCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
GRCCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
COLCZ06	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
COLCZ06	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
WRHCZ06	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
WRHCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
SMOCZ06	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
SMOCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
SCHCZ06	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
SCHCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
RSTCZ06	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
RSTCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
RETCZ06	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1



SCE Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
REFCZ06	All	1_CK_HoldCbnt	COOK5	1 1 C		1 C	1
REFCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
MSCCZ06	All	1_CK_HoldCbnt	COOK5	1 1 C		1 C	1
MSCCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
LGOCZ06	All	1_CK_HoldCbnt	COOK5	1 1 C		1 C	1
LGOCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
LDGCZ06	All	1_CK_HoldCbnt	COOK5	1 1 C		1 C	1
LDGCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
HLTCZ06	All	1_CK_HoldCbnt	COOK5	1 1 C		1 C	1
HLTCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
GRCCZ06	All	1_CK_HoldCbnt	COOK5	1 1 C		1 C	1
GRCCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
COLCZ06	All	1_CK_HoldCbnt	COOK5	1 1 C		1 C	1
COLCZ06	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
WRHCZ06	All	1_CK_FdStmr	COOK6	1 1 C		1 C	1
WRHCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
SMOCZ06	All	1_CK_FdStmr	COOK6	1 1 C		1 C	1
SMOCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
SCHCZ06	All	1_CK_FdStmr	COOK6	1 1 C		1 C	1
SCHCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
RSTCZ06	All	1_CK_FdStmr	COOK6	1 1 C		1 C	1
RSTCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
RETCZ06	All	1_CK_FdStmr	COOK6	1 1 C		1 C	1
RETCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
REFCZ06	All	1_CK_FdStmr	COOK6	1 1 C		1 C	1
REFCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
MSCCZ06	All	1_CK_FdStmr	COOK6	1 1 C		1 C	1
MSCCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
LGOCZ06	All	1_CK_FdStmr	COOK6	1 1 C		1 C	1
LGOCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
LDGCZ06	All	1_CK_FdStmr	COOK6	1 1 C		1 C	1
LDGCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
HLTCZ06	All	1_CK_FdStmr	COOK6	1 1 C		1 C	1
HLTCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1

SCE Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
GRCCZ06	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
GRCCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
COLCZ06	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
COLCZ06	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
WRHCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
WRHCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
SMOCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
SMOCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
SCHCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
SCHCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
RSTCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
RSTCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
RETCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
RETCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
REFCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
REFCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
MSCCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
MSCCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
LGOCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
LGOCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
LDGCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
LDGCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
HLTCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
HLTCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
GRCCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
GRCCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
COLCZ06	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
COLCZ06	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
WRHCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
SMOCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
SCHCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
RSTCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
RETCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
REFCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
MSCCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1

SCE Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LGOCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
LDGCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
HLTCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
GRCCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
COLCZ06	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
WRHCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
SMOCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
SCHCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
RSTCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
RETCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
REFCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
MSCCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
LGOCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
LDGCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
HLTCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
GRCCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
COLCZ06	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
WRHCZ06	All	1_WH_GasComm	WATER1	1 1 C		1 C	1
WRHCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
SMOCZ06	All	1_WH_GasComm	WATER1	1 1 C		1 C	1
SMOCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
SCHCZ06	All	1_WH_GasComm	WATER1	1 1 C		1 C	1
SCHCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
RSTCZ06	All	1_WH_GasComm	WATER1	1 1 C		1 C	1
RSTCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
RETCZ06	All	1_WH_GasComm	WATER1	1 1 C		1 C	1
RETCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
REFCZ06	All	1_WH_GasComm	WATER1	1 1 C		1 C	1
REFCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
MSCCZ06	All	1_WH_GasComm	WATER1	1 1 C		1 C	1
MSCCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
LGOCZ06	All	1_WH_GasComm	WATER1	1 1 C		1 C	1
LGOCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
LDGCZ06	All	1_WH_GasComm	WATER1	1 1 C		1 C	1
LDGCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1

SCE Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
HLTCZ06	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
HLTCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
GRCCZ06	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
GRCCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
COLCZ06	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
COLCZ06	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
WRHCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
WRHCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
WRHCZ06	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
SMOCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
SMOCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
SMOCZ06	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
SCHCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
SCHCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
SCHCZ06	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
RSTCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
RSTCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
RSTCZ06	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
RETCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
RETCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
RETCZ06	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
REFCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
REFCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
REFCZ06	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
MSCCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
MSCCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
MSCCZ06	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
LGOCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
LGOCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
LGOCZ06	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
LDGCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
LDGCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
LDGCZ06	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
HLTCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
HLTCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1

SCE Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
HLTCZ06	All	3_WH_Instnt	WATER2	3	0.728	0.832	0.5
GRCCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
GRCCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
GRCCZ06	All	3_WH_Instnt	WATER2	3	0.728	0.832	0.5
COLCZ06	All	1_WH_Storage	WATER2	1	1 C	1 C	1
COLCZ06	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
COLCZ06	All	3_WH_Instnt	WATER2	3	0.728	0.832	0.5
WRHCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
SMOCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
SCHCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
RSTCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
RETCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
REFCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
MSCCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
LGOCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
LDGCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
HLTCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
GRCCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
COLCZ06	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1

SCE Commercial Refrigeration  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ06	All	2_REF_ASHCtrl	REF_ASH	2	1 C	1 C	1
GRCCZ06	All	2_REF_ASHCtrl	REF_ASH	2	1 C	1 C	1
REFCZ06	All	1_REF_Conv2MPX	REF_CONVSL2MPX	1	1 C	1 C	1
REFCZ06	All	2_REF_HEMPX	REF_CONVSL2MPX	2	0.728	0.832	1
GRCCZ06	All	1_REF_Conv2MPX	REF_CONVSL2MPX	1	1 C	1 C	1
GRCCZ06	All	2_REF_HEMPX	REF_CONVSL2MPX	2	0.728	0.832	1
REFCZ06	All	1_REF_DCFanStd	REF_DCEVAPMTR	1	1 C	1 C	1
REFCZ06	All	2_REF_DCFanPSC	REF_DCEVAPMTR	2	0.728	0.832	1
REFCZ06	All	3_REF_DCFanECM	REF_DCEVAPMTR	3	0.728	0.832	1
GRCCZ06	All	1_REF_DCFanStd	REF_DCEVAPMTR	1	1 C	1 C	1
GRCCZ06	All	2_REF_DCFanPSC	REF_DCEVAPMTR	2	0.728	0.832	1
GRCCZ06	All	3_REF_DCFanECM	REF_DCEVAPMTR	3	0.728	0.832	1
REFCZ06	All	2_REF_GIDrLowHE	REF_GLASSDRLOW	2	0.728	0.832	1
GRCCZ06	All	2_REF_GIDrLowHE	REF_GLASSDRLOW	2	0.728	0.832	1
REFCZ06	All	2_REF_GIDrMedHE	REF_GLASSDRMED	2	0.728	0.832	1
GRCCZ06	All	2_REF_GIDrMedHE	REF_GLASSDRMED	2	0.728	0.832	1
REFCZ06	All	1_REF_StdLTComp	REF_LTCONVCOMP	1	1 C	1 C	1
REFCZ06	All	2_REF_HELTComp	REF_LTCONVCOMP	2	0.728	0.832	1
GRCCZ06	All	1_REF_StdLTComp	REF_LTCONVCOMP	1	1 C	1 C	1
GRCCZ06	All	2_REF_HELTComp	REF_LTCONVCOMP	2	0.728	0.832	1
REFCZ06	All	1_REF_MPXStdCnd	REF_MPXEFFCOND	1	1 C	1 C	1
REFCZ06	All	2_REF_MPXOvrCnd	REF_MPXEFFCOND	2	0.728	0.832	0.4
GRCCZ06	All	1_REF_MPXStdCnd	REF_MPXEFFCOND	1	1 C	1 C	1
GRCCZ06	All	2_REF_MPXOvrCnd	REF_MPXEFFCOND	2	0.728	0.832	0.4
REFCZ06	All	2_REF_MPXFHP	REF_MPXFHP	2	1 C	1 C	1
GRCCZ06	All	2_REF_MPXFHP	REF_MPXFHP	2	1 C	1 C	1
REFCZ06	All	2_REF_NtCvCfHE	REF_NITECVRCOF	2	0.728	0.832	1
GRCCZ06	All	2_REF_NtCvCfHE	REF_NITECVRCOF	2	0.728	0.832	1
REFCZ06	All	2_REF_NtCvMdHE	REF_NITECVRMLT	2	0.728	0.832	1
GRCCZ06	All	2_REF_NtCvMdHE	REF_NITECVRMLT	2	0.728	0.832	1
REFCZ06	All	2_REF_WICrtnHE	REF_WI	2	0.728	0.832	1
GRCCZ06	All	2_REF_WICrtnHE	REF_WI	2	0.728	0.832	1
REFCZ06	All	2_REF_WIFnCtlHE	REF_WIEVAP	2	0.728	0.832	1
GRCCZ06	All	2_REF_WIFnCtlHE	REF_WIEVAP	2	0.728	0.832	1
REFCZ06	All	1_REF_WIFanStd	REF_WIEVAPMTR	1	1 C	1 C	1
REFCZ06	All	2_REF_WIFanECM	REF_WIEVAPMTR	2	0.728	0.832	1

SCE Commercial Refrigeration  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
GRCCZ06	All	1_REF_WIFanStd	REF_WIEVAPMTR	1	1 C	1 C	1
GRCCZ06	All	2_REF_WIFanECM	REF_WIEVAPMTR	2	0.728	0.832	1

SCG Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
WRHCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
SMOCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
SMOCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
SCHCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
SCHCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
RSTCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
RSTCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
RETCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
RETCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
REFCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
REFCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
MSCCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
MSCCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
LGOCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
LGOCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
LDGCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
LDGCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
HLTCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
HLTCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
GRCCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
GRCCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
COLCZ04	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
COLCZ04	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
WRHCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
SMOCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
SCHCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
RSTCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
RETCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
REFCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
MSCCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
LGOCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
LDGCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
HLTCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
GRCCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1



SCG Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
COLCZ04	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
WRHCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
SMOCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
SCHCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
RSTCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
RETCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
REFCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
MSCCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
LGOCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
LDGCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
HLTCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
GRCCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
COLCZ04	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
WRHCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
SMOCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
SCHCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
RSTCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
RETCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
REFCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
MSCCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
LGOCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
LDGCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
HLTCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
GRCCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
COLCZ04	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1

SCG Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
WRHCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
SMOCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
SMOCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
SCHCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
SCHCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
RSTCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
RSTCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
RETCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
RETCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
REFCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
REFCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
MSCCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
MSCCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
LGOCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
LGOCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
LDGCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
LDGCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
HLTCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
HLTCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
GRCCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
GRCCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
COLCZ04	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
COLCZ04	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
WRHCZ04	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
WRHCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
SMOCZ04	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
SMOCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
SCHCZ04	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
SCHCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
RSTCZ04	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
RSTCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
RETCZ04	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
RETCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
REFCZ04	All	1_CK_PzOven	COOK2	1	1 C	1 C	1

SCG Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
MSCCZ04	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
MSCCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
LGOCZ04	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
LGOCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
LDGCZ04	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
LDGCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
HLTCZ04	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
HLTCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
GRCCZ04	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
GRCCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
COLCZ04	All	1_CK_PzOven	COOK2	1 1 C		1 C	1
COLCZ04	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
WRHCZ04	All	1_CK_Oven	COOK3	1 1 C		1 C	1
WRHCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
SMOCZ04	All	1_CK_Oven	COOK3	1 1 C		1 C	1
SMOCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
SCHCZ04	All	1_CK_Oven	COOK3	1 1 C		1 C	1
SCHCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
RSTCZ04	All	1_CK_Oven	COOK3	1 1 C		1 C	1
RSTCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
RETCZ04	All	1_CK_Oven	COOK3	1 1 C		1 C	1
RETCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
REFCZ04	All	1_CK_Oven	COOK3	1 1 C		1 C	1
REFCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
MSCCZ04	All	1_CK_Oven	COOK3	1 1 C		1 C	1
MSCCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
LGOCZ04	All	1_CK_Oven	COOK3	1 1 C		1 C	1
LGOCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
LDGCZ04	All	1_CK_Oven	COOK3	1 1 C		1 C	1
LDGCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
HLTCZ04	All	1_CK_Oven	COOK3	1 1 C		1 C	1
HLTCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
GRCCZ04	All	1_CK_Oven	COOK3	1 1 C		1 C	1
GRCCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1

SCG Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
COLCZ04	All	1_CK_Oven	COOK3	1	1 C	1 C	1
COLCZ04	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
WRHCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
WRHCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
SMOCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
SMOCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
SCHCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
SCHCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
RSTCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
RSTCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
RETCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
RETCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
REFCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
REFCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
MSCCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
MSCCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
LGOCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
LGOCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
LDGCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
LDGCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
HLTCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
HLTCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
GRCCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
GRCCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
COLCZ04	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
COLCZ04	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
WRHCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
WRHCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
SMOCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
SMOCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
SCHCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
SCHCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
RSTCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
RSTCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
RETCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1

SCG Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
REFCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
REFCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
MSCCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
MSCCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
LGOCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
LGOCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
LDGCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
LDGCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
HLTCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
HLTCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
GRCCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
GRCCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
COLCZ04	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
COLCZ04	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
WRHCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
WRHCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
WRHCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
SMOCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
SMOCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
SMOCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
SCHCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
SCHCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
SCHCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
RSTCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
RSTCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
RSTCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
RETCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
RETCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
RETCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
REFCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
REFCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
REFCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
MSCCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
MSCCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1

SCG Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MSCCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
LGOCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
LGOCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
LGOCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
LDGCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
LDGCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
LDGCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
HLTCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
HLTCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
HLTCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
GRCCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
GRCCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
GRCCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
COLCZ04	All	1_WH_Storage	WATER2	1	1 C	1 C	1
COLCZ04	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
COLCZ04	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
WRHCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
SMOCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
SCHCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
RSTCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
RETCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
REFCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
MSCCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
LGOCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
LDGCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
HLTCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
GRCCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
COLCZ04	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1

SDG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
WRHCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
SMOCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
SMOCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
SCHCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
SCHCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
RSTCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
RSTCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
RETCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
RETCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
REFCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
REFCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
MSCCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
MSCCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
LGOCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
LGOCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
LDGCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
LDGCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
HLTCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
HLTCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
GRCCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
GRCCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
COLCZ07	All	1_HV_CentChBase	HVAC1	1	1 C	1 C	1
COLCZ07	All	2_HV_CentChHEff	HVAC1	2	0.728	0.832	1
WRHCZ07	All	1_HV_PTUIt24	HVAC10	1	1 C	1 C	1
WRHCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
SMOCZ07	All	1_HV_PTUIt24	HVAC10	1	1 C	1 C	1
SMOCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
SCHCZ07	All	1_HV_PTUIt24	HVAC10	1	1 C	1 C	1
SCHCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
RSTCZ07	All	1_HV_PTUIt24	HVAC10	1	1 C	1 C	1
RSTCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
RETCZ07	All	1_HV_PTUIt24	HVAC10	1	1 C	1 C	1
RETCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
REFCZ07	All	1_HV_PTUIt24	HVAC10	1	1 C	1 C	1

SDG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
MSCCZ07	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
MSCCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
LGOCZ07	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
LGOCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
LDGCZ07	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
LDGCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
HLTCZ07	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
HLTCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
GRCCZ07	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
GRCCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
COLCZ07	All	1_HV_PTUIt24	HVAC10	1 1 C		1 C	1
COLCZ07	All	2_HV_PTUIt24HE	HVAC10	2	0.728	0.832	1
WRHCZ07	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
WRHCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
SMOCZ07	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
SMOCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
SCHCZ07	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
SCHCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
RSTCZ07	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
RSTCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
RETCZ07	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
RETCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
REFCZ07	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
REFCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
MSCCZ07	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
MSCCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
LGOCZ07	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
LGOCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
LDGCZ07	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
LDGCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
HLTCZ07	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
HLTCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
GRCCZ07	All	1_HV_PTUge24	HVAC13	1 1 C		1 C	1
GRCCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1



SDG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
COLCZ07	All	1_HV_PTUge24	HVAC13	1	1 C	1 C	1
COLCZ07	All	2_HV_PTUge24HE	HVAC13	2	0.728	0.832	1
WRHCZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
SMOCZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
SCHCZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
RSTCZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
RETCZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
REFCZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
MSCCZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
LGOZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
LDGCZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
HLTCZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
GRCCZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
COLCZ07	All	2_HV_CHTuneUp	HVAC14	2	0.728	0.832	1
WRHCZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
SMOCZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
SCHCZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
RSTCZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
RETCZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
REFCZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
MSCCZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
LGOZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
LDGCZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
HLTCZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
GRCCZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
COLCZ07	All	2_HV_DXTuneUp	HVAC15	2	0.728	0.832	1
WRHCZ07	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
WRHCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
SMOCZ07	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
SMOCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
SCHCZ07	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
SCHCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
RSTCZ07	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1
RSTCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
RETCZ07	All	1_HV_SpHtBIBase	HVAC18	1	1 C	1 C	1

SDG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
REFCZ07	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
REFCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
MSCCZ07	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
MSCCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
LGOCZ07	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
LGOCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
LDGCZ07	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
LDGCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
HLTCZ07	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
HLTCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
GRCCZ07	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
GRCCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
COLCZ07	All	1_HV_SpHtBIBase	HVAC18	1 1 C		1 C	1
COLCZ07	All	2_HV_SpHtBIHEff	HVAC18	2	0.728	0.832	1
WRHCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
SMOCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
SCHCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
RSTCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
RETCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
REFCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
MSCCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
LGOCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
LDGCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
HLTCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
GRCCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
COLCZ07	All	2_HV_SpHtBITune	HVAC19	1	0.728	0.832	1
WRHCZ07	All	1_HV_RecChBase	HVAC1A	1 1 C		1 C	1
WRHCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
SMOCZ07	All	1_HV_RecChBase	HVAC1A	1 1 C		1 C	1
SMOCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
SCHCZ07	All	1_HV_RecChBase	HVAC1A	1 1 C		1 C	1
SCHCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
RSTCZ07	All	1_HV_RecChBase	HVAC1A	1 1 C		1 C	1
RSTCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1

SDG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ07	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
RETCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
REFCZ07	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
REFCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
MSCCZ07	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
MSCCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
LGOCZ07	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
LGOCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
LDGCZ07	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
LDGCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
HLTCZ07	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
HLTCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
GRCCZ07	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
GRCCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
COLCZ07	All	1_HV_RecChBase	HVAC1A	1	1 C	1 C	1
COLCZ07	All	2_HV_RecChHEff	HVAC1A	2	0.728	0.832	1
WRHCZ07	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
WRHCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
WRHCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
SMOCZ07	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
SMOCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
SMOCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
SCHCZ07	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
SCHCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
SCHCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
RSTCZ07	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
RSTCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
RSTCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
RETCZ07	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
RETCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
RETCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
REFCZ07	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1
REFCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
REFCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
MSCCZ07	All	1_HV_PACIt65	HVAC2	1	1 C	1 C	1

SDG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MSCCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
MSCCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
LGOCZ07	All	1_HV_PACIt65	HVAC2	1 1 C		1 C	1
LGOCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
LGOCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
LDGCZ07	All	1_HV_PACIt65	HVAC2	1 1 C		1 C	1
LDGCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
LDGCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
HLTCZ07	All	1_HV_PACIt65	HVAC2	1 1 C		1 C	1
HLTCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
HLTCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
GRCCZ07	All	1_HV_PACIt65	HVAC2	1 1 C		1 C	1
GRCCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
GRCCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
COLCZ07	All	1_HV_PACIt65	HVAC2	1 1 C		1 C	1
COLCZ07	All	2_HV_PACIt6513	HVAC2	2	0.728	0.832	1
COLCZ07	All	3_HV_PACIt6514	HVAC2	3	0.728	0.832	1
WRHCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
SMOCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
SCHCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
RSTCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
RETCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
REFCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
MSCCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
LGOCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
LDGCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
HLTCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
GRCCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
COLCZ07	All	2_HV_RfISngPane	HVAC20E	1	0.728	0.832	1
WRHCZ07	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1
SMOCZ07	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1
SCHCZ07	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1
RSTCZ07	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1
RETCZ07	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1
REFCZ07	All	2_HV_TCtIszE	HVAC21SZE	1 1 C		1 C	1

SDG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MSCCZ07	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
LGOCZ07	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
LDGCZ07	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
HLTCZ07	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
GRCCZ07	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
COLCZ07	All	2_HV_TCtIszE	HVAC21SZE	1	1 C	1 C	1
WRHCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
SMOCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
SCHCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
RSTCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
RETCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
REFCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
MSCCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
LGOCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
LDGCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
HLTCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
GRCCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
COLCZ07	All	2_HV_TCtIszG	HVAC21SZG	1	1 C	1 C	1
WRHCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
SMOCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
SCHCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
RSTCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
RETCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
REFCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
MSCCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
LGOCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
LDGCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
HLTCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
GRCCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
COLCZ07	All	2_HV_CoolRoof	HVAC22	1	0.728	0.832	1
WRHCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
SMOCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
SCHCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
RSTCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
RETCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1

SDG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
MSCCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
LGOCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
LDGCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
HLTCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
GRCCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
COLCZ07	All	2_HV_VAV	HVAC23	1	1 C	1 C	1
WRHCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
SMOCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
SCHCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
RSTCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
RETCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
REFCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
MSCCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
LGOCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
LDGCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
HLTCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
GRCCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
COLCZ07	All	2_HV_ChilPmpVFD	HVAC24	1	0.728	0.832	1
WRHCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
SMOCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
SCHCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
RSTCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
RETCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
REFCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
MSCCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
LGOCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
LDGCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
HLTCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
GRCCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
COLCZ07	All	2_HV_BPipeIns	HVAC29	1	0.728	0.832	1
WRHCZ07	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1
WRHCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
WRHCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
SMOCZ07	All	1_HV_PACge65	HVAC3	1	1 C	1 C	1

SDG&E Commercial HVAC  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SMOCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
SMOCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
SCHCZ07	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
SCHCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
SCHCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
RSTCZ07	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
RSTCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
RSTCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
RETCZ07	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
RETCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
RETCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
REFCZ07	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
REFCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
REFCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
MSCCZ07	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
MSCCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
MSCCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
LGOCZ07	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
LGOCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
LGOCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
LDGCZ07	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
LDGCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
LDGCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
HLTCZ07	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
HLTCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
HLTCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
GRCCZ07	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
GRCCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
GRCCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1
COLCZ07	All	1_HV_PACge65	HVAC3	1 1 C		1 C	1
COLCZ07	All	2_HV_PACge6513	HVAC3	2	0.728	0.832	1
COLCZ07	All	3_HV_PACge6514	HVAC3	3	0.728	0.832	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
SMOCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
SCHCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
RSTCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
RETCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
REFCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
MSCCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
LGOCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
LDGCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
HLTCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
GRCCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
COLCZ07	All	2_LT_DLInst	DL1	1	0.551	0.855	1
WRHCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
SMOCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
SCHCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
RSTCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
RETCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
REFCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
MSCCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
LGOCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
LDGCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
HLTCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
GRCCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
COLCZ07	All	2_LT_EXLED	EXIT1	1	1	0.909	1
WRHCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
WRHCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
SMOCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
SMOCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
SCHCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
SCHCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
RSTCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
RSTCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
RETCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
RETCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
REFCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1



SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
MSCCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
MSCCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
LGOCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
LGOCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
LDGCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
LDGCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
HLTCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
HLTCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
GRCCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
GRCCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
COLCZ07	All	1_LT_4T12	FLUOR1A	1	1 C	1 C	1
COLCZ07	All	2_LT_4T8_5	FLUOR1A	2	1 C	1 C	1
WRHCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
WRHCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
SMOCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
SMOCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
SCHCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
SCHCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
RSTCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
RSTCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
RETCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
RETCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
REFCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
REFCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
MSCCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
MSCCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
LGOCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
LGOCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
LDGCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
LDGCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
HLTCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
HLTCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
GRCCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
GRCCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
COLCZ07	All	1_LT_8T12	FLUOR4A	1	1 C	1 C	1
COLCZ07	All	2_LT_8T82ndG	FLUOR4A	2	1 C	1 C	1
WRHCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
WRHCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
SMOCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
SMOCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
SCHCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
SCHCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
RSTCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
RSTCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
RETCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
RETCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
REFCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
REFCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
MSCCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
MSCCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
LGOCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
LGOCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
LDGCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
LDGCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
HLTCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
HLTCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
GRCCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
GRCCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
COLCZ07	All	1_LT_EXINC300	HID11I	1	1 C	1 C	1
COLCZ07	All	2_LT_EXMH100i	HID11I	2	1	0.832	1
WRHCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
WRHCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
SMOCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
SMOCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
SCHCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
SCHCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
RSTCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
RSTCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
RETCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
REFCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
REFCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
MSCCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
MSCCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
LGOCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
LGOCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
LDGCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
LDGCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
HLTCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
HLTCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
GRCCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
GRCCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
COLCZ07	All	1_LT_EXMV175	HID11MV	1	1 C	1 C	1
COLCZ07	All	2_LT_EXMH100mv	HID11MV	2	1	0.832	1
WRHCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
WRHCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
SMOCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
SMOCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
SCHCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
SCHCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
RSTCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
RSTCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
RETCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
RETCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
REFCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
REFCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
MSCCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
MSCCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
LGOCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
LGOCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
LDGCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
LDGCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
HLTCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
HLTCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
GRCCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
GRCCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
COLCZ07	All	1_LT_EXINC500	HID12I	1	1 C	1 C	1
COLCZ07	All	2_LT_EXPS175i	HID12I	2	1	0.832	1
WRHCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
WRHCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
SMOCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
SMOCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
SCHCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
SCHCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
RSTCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
RSTCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
RETCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
RETCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
REFCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
REFCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
MSCCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
MSCCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
LGOCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
LGOCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
LDGCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
LDGCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
HLTCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
HLTCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
GRCCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
GRCCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
COLCZ07	All	1_LT_EXMV250	HID12MV	1	1 C	1 C	1
COLCZ07	All	2_LT_EXPS175mv	HID12MV	2	1	0.832	1
WRHCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
WRHCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
SMOCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
SMOCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
SCHCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
SCHCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
RSTCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
RETCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
RETCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
REFCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
REFCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
MSCCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
MSCCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
LGOCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
LGOCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
LDGCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
LDGCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
HLTCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
HLTCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
GRCCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
GRCCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
COLCZ07	All	1_LT_EXINC700	HID13I	1	1 C	1 C	1
COLCZ07	All	2_LT_EXPS250i	HID13I	2	1	0.832	1
WRHCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
WRHCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
SMOCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
SMOCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
SCHCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
SCHCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
RSTCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
RSTCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
RETCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
RETCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
REFCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
REFCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
MSCCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
MSCCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
LGOCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
LGOCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
LDGCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
LDGCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
HLTCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
HLTCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
GRCCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
GRCCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
COLCZ07	All	1_LT_EXMV400	HID13MV	1	1 C	1 C	1
COLCZ07	All	2_LT_EXPS250mv	HID13MV	2	1	0.832	1
WRHCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
WRHCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
SMOCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
SMOCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
SCHCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
SCHCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
RSTCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
RSTCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
RETCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
RETCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
REFCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
REFCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
MSCCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
MSCCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
LGOCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
LGOCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
LDGCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
LDGCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
HLTCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
HLTCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
GRCCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
GRCCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
COLCZ07	All	1_LT_INC200	HID1I	1	1 C	1 C	1
COLCZ07	All	2_LT_MH70i	HID1I	2	1	0.832	1
WRHCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
WRHCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
SMOCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
SMOCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
SCHCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SCHCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
RSTCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
RSTCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
RETCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
RETCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
REFCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
REFCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
MSCCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
MSCCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
LGOCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
LGOCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
LDGCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
LDGCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
HLTCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
HLTCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
GRCCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
GRCCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
COLCZ07	All	1_LT_MV100	HID1MV	1	1 C	1 C	1
COLCZ07	All	2_LT_MH70mv	HID1MV	2	1	0.832	1
WRHCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
WRHCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1
SMOCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
SMOCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1
SCHCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
SCHCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1
RSTCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
RSTCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1
RETCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
RETCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1
REFCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
REFCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1
MSCCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
MSCCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1
LGOCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
LGOCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LDGCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
LDGCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1
HLTCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
HLTCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1
GRCCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
GRCCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1
COLCZ07	All	1_LT_INC300	HID2I	1	1 C	1 C	1
COLCZ07	All	2_LT_MH100i	HID2I	2	1	0.832	1
WRHCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
WRHCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
SMOCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
SMOCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
SCHCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
SCHCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
RSTCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
RSTCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
RETCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
RETCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
REFCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
REFCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
MSCCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
MSCCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
LGOCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
LGOCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
LDGCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
LDGCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
HLTCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
HLTCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
GRCCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
GRCCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
COLCZ07	All	1_LT_MV175	HID2MV	1	1 C	1 C	1
COLCZ07	All	2_LT_MH100mv	HID2MV	2	1	0.832	1
WRHCZ07	All	1_LT_INC500i	HID3I	1	1 C	1 C	1
WRHCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
SMOCZ07	All	1_LT_INC500i	HID3I	1	1 C	1 C	1



SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SMOCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
SCHCZ07	All	1_LT_INC500i	HID3I	1 1 C	1 C		1
SCHCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
RSTCZ07	All	1_LT_INC500i	HID3I	1 1 C	1 C		1
RSTCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
RETCZ07	All	1_LT_INC500i	HID3I	1 1 C	1 C		1
RETCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
REFCZ07	All	1_LT_INC500i	HID3I	1 1 C	1 C		1
REFCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
MSCCZ07	All	1_LT_INC500i	HID3I	1 1 C	1 C		1
MSCCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
LGOCZ07	All	1_LT_INC500i	HID3I	1 1 C	1 C		1
LGOCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
LDGCZ07	All	1_LT_INC500i	HID3I	1 1 C	1 C		1
LDGCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
HLTCZ07	All	1_LT_INC500i	HID3I	1 1 C	1 C		1
HLTCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
GRCCZ07	All	1_LT_INC500i	HID3I	1 1 C	1 C		1
GRCCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
COLCZ07	All	1_LT_INC500i	HID3I	1 1 C	1 C		1
COLCZ07	All	2_LT_MH175i	HID3I	2	1	0.832	1
WRHCZ07	All	1_LT_MV250	HID3MV	1 1 C	1 C		1
WRHCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
SMOCZ07	All	1_LT_MV250	HID3MV	1 1 C	1 C		1
SMOCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
SCHCZ07	All	1_LT_MV250	HID3MV	1 1 C	1 C		1
SCHCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
RSTCZ07	All	1_LT_MV250	HID3MV	1 1 C	1 C		1
RSTCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
RETCZ07	All	1_LT_MV250	HID3MV	1 1 C	1 C		1
RETCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
REFCZ07	All	1_LT_MV250	HID3MV	1 1 C	1 C		1
REFCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
MSCCZ07	All	1_LT_MV250	HID3MV	1 1 C	1 C		1
MSCCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LGOCZ07	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
LGOCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
LDGCZ07	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
LDGCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
HLTCZ07	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
HLTCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
GRCCZ07	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
GRCCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
COLCZ07	All	1_LT_MV250	HID3MV	1	1 C	1 C	1
COLCZ07	All	2_LT_MH175mv	HID3MV	2	1	0.832	1
WRHCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
WRHCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
SMOCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
SMOCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
SCHCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
SCHCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
RSTCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
RSTCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
RETCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
RETCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
REFCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
REFCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
MSCCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
MSCCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
LGOCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
LGOCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
LDGCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
LDGCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
HLTCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
HLTCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
GRCCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
GRCCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
COLCZ07	All	1_LT_INC750i	HID4I	1	1 C	1 C	1
COLCZ07	All	2_LT_MH250i	HID4I	2	1	0.832	1
WRHCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
SMOCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
SMOCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
SCHCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
SCHCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
RSTCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
RSTCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
RETCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
RETCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
REFCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
REFCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
MSCCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
MSCCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
LGOCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
LGOCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
LDGCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
LDGCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
HLTCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
HLTCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
GRCCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
GRCCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
COLCZ07	All	1_LT_MV400	HID4MV	1	1 C	1 C	1
COLCZ07	All	2_LT_MH250mv	HID4MV	2	1	0.832	1
WRHCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
WRHCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
WRHCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
SMOCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
SMOCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
SMOCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
SCHCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
SCHCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
SCHCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
RSTCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
RSTCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
RSTCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
RETCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
RETCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
REFCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
REFCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
REFCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
MSCCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
MSCCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
MSCCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
LGOCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
LGOCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
LGOCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
LDGCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
LDGCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
LDGCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
HLTCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
HLTCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
HLTCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
GRCCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
GRCCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
GRCCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
COLCZ07	All	1_LT_MH400	HID6	1	1 C	1 C	1
COLCZ07	All	2_LT_PS320	HID6	2	1	0.832	1
COLCZ07	All	3_LT_HIDT5HO	HID6	3	1	0.832	0.2
WRHCZ07	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
WRHCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
WRHCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
SMOCZ07	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
SMOCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
SMOCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
SCHCZ07	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
SCHCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
SCHCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
RSTCZ07	All	1_LT_INC40	INCAN1	1	1 C	1 C	1
RSTCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
RETCZ07	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
RETCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
RETCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
REFCZ07	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
REFCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
REFCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
MSCCZ07	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
MSCCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
MSCCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
LGOCZ07	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
LGOCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
LGOCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
LDGCZ07	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
LDGCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
LDGCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
HLTCZ07	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
HLTCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
HLTCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
GRCCZ07	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
GRCCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
GRCCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
COLCZ07	All	1_LT_INC40	INCAN1	1 1 C		1 C	1
COLCZ07	All	2_LT_CFL10_5s	INCAN1	2	0.865	0.919	1
COLCZ07	All	3_LT_CFL10_5p	INCAN1	3	0.173	0.1838	0.6
WRHCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
WRHCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
WRHCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
SMOCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
SMOCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
SMOCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
SCHCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
SCHCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
SCHCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
RSTCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
RSTCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
RETCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
RETCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
RETCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
REFCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
REFCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
REFCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
MSCCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
MSCCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
MSCCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
LGOCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
LGOCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
LGOCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
LDGCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
LDGCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
LDGCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
HLTCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
HLTCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
HLTCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
GRCCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
GRCCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
GRCCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
COLCZ07	All	1_LT_INC60	INCAN2	1 1 C		1 C	1
COLCZ07	All	2_LT_CFL15s	INCAN2	2	0.865	0.919	1
COLCZ07	All	3_LT_CFL15p	INCAN2	3	0.173	0.1838	0.6
WRHCZ07	All	1_LT_INC75	INCAN3	1 1 C		1 C	1
WRHCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
WRHCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
SMOCZ07	All	1_LT_INC75	INCAN3	1 1 C		1 C	1
SMOCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
SMOCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
SCHCZ07	All	1_LT_INC75	INCAN3	1 1 C		1 C	1
SCHCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
SCHCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ07	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
RSTCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
RSTCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
RETCZ07	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
RETCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
RETCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
REFCZ07	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
REFCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
REFCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
MSCCZ07	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
MSCCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
MSCCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
LGOCZ07	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
LGOCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
LGOCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
LDGCZ07	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
LDGCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
LDGCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
HLTCZ07	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
HLTCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
HLTCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
GRCCZ07	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
GRCCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
GRCCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
COLCZ07	All	1_LT_INC75	INCAN3	1	1 C	1 C	1
COLCZ07	All	2_LT_CFL20s	INCAN3	2	0.865	0.919	1
COLCZ07	All	3_LT_CFL20p	INCAN3	3	0.173	0.1838	0.6
WRHCZ07	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
WRHCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
WRHCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
SMOCZ07	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
SMOCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
SMOCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
SCHCZ07	All	1_LT_INC120	INCAN5	1	1 C	1 C	1
SCHCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
SCHCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
RSTCZ07	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
RSTCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
RSTCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
RETCZ07	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
RETCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
RETCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
REFCZ07	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
REFCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
REFCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
MSCCZ07	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
MSCCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
MSCCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
LGOCZ07	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
LGOCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
LGOCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
LDGCZ07	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
LDGCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
LDGCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
HLTCZ07	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
HLTCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
HLTCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
GRCCZ07	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
GRCCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
GRCCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
COLCZ07	All	1_LT_INC120	INCAN5	1 1 C		1 C	1
COLCZ07	All	2_LT_CFL38s	INCAN5	2	0.865	0.919	1
COLCZ07	All	3_LT_CFL38p	INCAN5	3	0.692	0.7352	0.6
WRHCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
WRHCZ07	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
SMOCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
SMOCZ07	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
SCHCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
SCHCZ07	All	2_LT_CRCP14s	INCAN6	2	0.865	0.919	1
RSTCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1



SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RSTCZ07	All	2_LT_CRC14s	INCAN6	2	0.865	0.919	1
RETCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
RETCZ07	All	2_LT_CRC14s	INCAN6	2	0.865	0.919	1
REFCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
REFCZ07	All	2_LT_CRC14s	INCAN6	2	0.865	0.919	1
MSCCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
MSCCZ07	All	2_LT_CRC14s	INCAN6	2	0.865	0.919	1
LGOCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
LGOCZ07	All	2_LT_CRC14s	INCAN6	2	0.865	0.919	1
LDGCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
LDGCZ07	All	2_LT_CRC14s	INCAN6	2	0.865	0.919	1
HLTCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
HLTCZ07	All	2_LT_CRC14s	INCAN6	2	0.865	0.919	1
GRCCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
GRCCZ07	All	2_LT_CRC14s	INCAN6	2	0.865	0.919	1
COLCZ07	All	1_LT_IRIP60	INCAN6	1 1 C		1 C	1
COLCZ07	All	2_LT_CRC14s	INCAN6	2	0.865	0.919	1
WRHCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
SMOCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
SCHCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
RSTCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
RETCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
REFCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
MSCCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
LGOCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
LDGCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
HLTCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
GRCCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
COLCZ07	All	2_LT_OCCMS	OCC1	1	1	1	1
WRHCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
SMOCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
SCHCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
RSTCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
RETCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
REFCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
MSCCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
LGOCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
LDGCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
HLTCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
GRCCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
COLCZ07	All	2_LT_OCCPCDInst	OCC2	1	1	1	0.05
WRHCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
WRHCZ07	All	2_LT_PCPC	PC1	2	1	1	1
WRHCZ07	All	3_LT_PCTC	PC1	3	1	1	1
WRHCZ07	All	4_LT_PCPT	PC1	4	1	1	1
SMOCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
SMOCZ07	All	2_LT_PCPC	PC1	2	1	1	1
SMOCZ07	All	3_LT_PCTC	PC1	3	1	1	1
SMOCZ07	All	4_LT_PCPT	PC1	4	1	1	1
SCHCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
SCHCZ07	All	2_LT_PCPC	PC1	2	1	1	1
SCHCZ07	All	3_LT_PCTC	PC1	3	1	1	1
SCHCZ07	All	4_LT_PCPT	PC1	4	1	1	1
RSTCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
RSTCZ07	All	2_LT_PCPC	PC1	2	1	1	1
RSTCZ07	All	3_LT_PCTC	PC1	3	1	1	1
RSTCZ07	All	4_LT_PCPT	PC1	4	1	1	1
RETCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
RETCZ07	All	2_LT_PCPC	PC1	2	1	1	1
RETCZ07	All	3_LT_PCTC	PC1	3	1	1	1
RETCZ07	All	4_LT_PCPT	PC1	4	1	1	1
REFCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
REFCZ07	All	2_LT_PCPC	PC1	2	1	1	1
REFCZ07	All	3_LT_PCTC	PC1	3	1	1	1
REFCZ07	All	4_LT_PCPT	PC1	4	1	1	1
MSCCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
MSCCZ07	All	2_LT_PCPC	PC1	2	1	1	1
MSCCZ07	All	3_LT_PCTC	PC1	3	1	1	1
MSCCZ07	All	4_LT_PCPT	PC1	4	1	1	1
LGOCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LGOCZ07	All	2_LT_PCPC	PC1	2	1	1	1
LGOCZ07	All	3_LT_PCTC	PC1	3	1	1	1
LGOCZ07	All	4_LT_PCPT	PC1	4	1	1	1
LDGCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
LDGCZ07	All	2_LT_PCPC	PC1	2	1	1	1
LDGCZ07	All	3_LT_PCTC	PC1	3	1	1	1
LDGCZ07	All	4_LT_PCPT	PC1	4	1	1	1
HLTCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
HLTCZ07	All	2_LT_PCPC	PC1	2	1	1	1
HLTCZ07	All	3_LT_PCTC	PC1	3	1	1	1
HLTCZ07	All	4_LT_PCPT	PC1	4	1	1	1
GRCCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
GRCCZ07	All	2_LT_PCPC	PC1	2	1	1	1
GRCCZ07	All	3_LT_PCTC	PC1	3	1	1	1
GRCCZ07	All	4_LT_PCPT	PC1	4	1	1	1
COLCZ07	All	1_LT_PCNoCtrl	PC1	1	1 C	1 C	1
COLCZ07	All	2_LT_PCPC	PC1	2	1	1	1
COLCZ07	All	3_LT_PCTC	PC1	3	1	1	1
COLCZ07	All	4_LT_PCPT	PC1	4	1	1	1
WRHCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
SMOCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
SCHCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
RSTCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
RETCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
REFCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
MSCCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
LGOCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
LDGCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
HLTCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
GRCCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
COLCZ07	All	2_LT_RFLCSpec4	RFLC1	1	0.52	0.905	1
WRHCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
SMOCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
SCHCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
RSTCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1

SDG&E Commercial Lighting  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
REFCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
MSCCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
LGOCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
LDGCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
HLTCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
GRCCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1
COLCZ07	All	2_LT_RFLCSpec8	RFLC2	1	0.52	0.905	1

SDG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
WRHCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
WRHCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
SMOCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
SMOCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
SCHCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
SCHCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
RSTCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
RSTCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
RETCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
RETCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
REFCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
REFCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
MSCCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
MSCCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
LGOCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
LGOCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
LDGCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
LDGCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
HLTCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
HLTCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
GRCCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
GRCCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
COLCZ07	All	1_CK_GasFryer	COOK1	1	1 C	1 C	1
COLCZ07	All	2_CK_GasFryerIF	COOK1	2	0.728	0.832	1
WRHCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
WRHCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
SMOCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
SMOCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
SCHCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
SCHCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
RSTCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
RSTCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
RETCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
RETCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
REFCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1

SDG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
MSCCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
MSCCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
LGOCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
LGOCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
LDGCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
LDGCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
HLTCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
HLTCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
GRCCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
GRCCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
COLCZ07	All	1_CK_PzOven	COOK2	1	1 C	1 C	1
COLCZ07	All	2_CK_CnveyrOven	COOK2	2	0.728	0.832	1
WRHCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
WRHCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
SMOCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
SMOCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
SCHCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
SCHCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
RSTCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
RSTCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
RETCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
RETCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
REFCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
REFCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
MSCCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
MSCCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
LGOCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
LGOCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
LDGCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
LDGCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
HLTCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
HLTCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
GRCCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
GRCCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1

SDG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
COLCZ07	All	1_CK_Oven	COOK3	1	1 C	1 C	1
COLCZ07	All	2_CK_CnvcOven	COOK3	2	0.728	0.832	1
WRHCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
WRHCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
SMOCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
SMOCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
SCHCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
SCHCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
RSTCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
RSTCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
RETCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
RETCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
REFCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
REFCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
MSCCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
MSCCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
LGOCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
LGOCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
LDGCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
LDGCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
HLTCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
HLTCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
GRCCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
GRCCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
COLCZ07	All	1_CK_Griddle	COOK4	1	1 C	1 C	1
COLCZ07	All	2_CK_GriddleHE	COOK4	2	0.728	0.832	1
WRHCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
WRHCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
SMOCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
SMOCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
SCHCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
SCHCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
RSTCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
RSTCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
RETCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1

SDG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
RETCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
REFCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
REFCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
MSCCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
MSCCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
LGOCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
LGOCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
LDGCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
LDGCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
HLTCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
HLTCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
GRCCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
GRCCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
COLCZ07	All	1_CK_HoldCbnt	COOK5	1	1 C	1 C	1
COLCZ07	All	2_CK_HoldCbntHE	COOK5	2	0.728	0.832	1
WRHCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
WRHCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
SMOCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
SMOCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
SCHCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
SCHCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
RSTCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
RSTCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
RETCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
RETCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
REFCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
REFCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
MSCCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
MSCCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
LGOCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
LGOCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
LDGCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
LDGCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
HLTCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
HLTCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1



SDG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
GRCCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
GRCCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
COLCZ07	All	1_CK_FdStmr	COOK6	1	1 C	1 C	1
COLCZ07	All	2_CK_Pressureles	COOK6	2	0.728	0.832	1
WRHCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
WRHCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
SMOCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
SMOCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
SCHCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
SCHCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
RSTCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
RSTCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
RETCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
RETCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
REFCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
REFCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
MSCCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
MSCCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
LGOCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
LGOCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
LDGCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
LDGCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
HLTCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
HLTCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
GRCCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
GRCCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
COLCZ07	All	1_OF_SmlCopy	OFFICE1	1	1 C	1 C	1
COLCZ07	All	2_OF_SmlCopyES	OFFICE1	2	0.728	0.832	1
WRHCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
SMOCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
SCHCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
RSTCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
RETCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
REFCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
MSCCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1

SDG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
LGOCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
LDGCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
HLTCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
GRCCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
COLCZ07	All	2_VN_NonRefHE	VEND1	1	0.728	0.832	1
WRHCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
SMOCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
SCHCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
RSTCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
RETCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
REFCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
MSCCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
LGOCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
LDGCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
HLTCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
GRCCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
COLCZ07	All	2_VN_CldDrnkHE	VEND2	1	0.728	0.832	1
WRHCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
WRHCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
SMOCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
SMOCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
SCHCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
SCHCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
RSTCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
RSTCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
RETCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
RETCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
REFCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
REFCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
MSCCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
MSCCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
LGOCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
LGOCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
LDGCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
LDGCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1

SDG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
HLTCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
HLTCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
GRCCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
GRCCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
COLCZ07	All	1_WH_GasComm	WATER1	1	1 C	1 C	1
COLCZ07	All	2_WH_GasHorzAxis	WATER1	2	0.728	0.832	1
WRHCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
WRHCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
WRHCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
SMOCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
SMOCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
SMOCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
SCHCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
SCHCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
SCHCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
RSTCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
RSTCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
RSTCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
RETCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
RETCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
RETCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
REFCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
REFCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
REFCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
MSCCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
MSCCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
MSCCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
LGOCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
LGOCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
LGOCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
LDGCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
LDGCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
LDGCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
HLTCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
HLTCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1

SDG&E Commercial Miscellaneous  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
HLTCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
GRCCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
GRCCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
GRCCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
COLCZ07	All	1_WH_Storage	WATER2	1	1 C	1 C	1
COLCZ07	All	2_WH_StorageHE	WATER2	2	0.728	0.832	1
COLCZ07	All	3_WH_Instant	WATER2	3	0.728	0.832	0.5
WRHCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
SMOCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
SCHCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
RSTCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
RETCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
REFCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
MSCCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
LGOCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
LDGCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
HLTCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
GRCCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1
COLCZ07	All	2_WH_CircTimer	WATER3	1	0.728	0.832	1

SDG&E Commercial Refrigeration  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
REFCZ07	All	2_REF_ASHCtrl	REF_ASH	2	1 C	1 C	1
GRCCZ07	All	2_REF_ASHCtrl	REF_ASH	2	1 C	1 C	1
REFCZ07	All	1_REF_Conv2MPX	REF_CONVSL2MPX	1	1 C	1 C	1
REFCZ07	All	2_REF_HEMPX	REF_CONVSL2MPX	2	0.728	0.832	1
GRCCZ07	All	1_REF_Conv2MPX	REF_CONVSL2MPX	1	1 C	1 C	1
GRCCZ07	All	2_REF_HEMPX	REF_CONVSL2MPX	2	0.728	0.832	1
REFCZ07	All	1_REF_DCFanStd	REF_DCEVAPMTR	1	1 C	1 C	1
REFCZ07	All	2_REF_DCFanPSC	REF_DCEVAPMTR	2	0.728	0.832	1
REFCZ07	All	3_REF_DCFanECM	REF_DCEVAPMTR	3	0.728	0.832	1
GRCCZ07	All	1_REF_DCFanStd	REF_DCEVAPMTR	1	1 C	1 C	1
GRCCZ07	All	2_REF_DCFanPSC	REF_DCEVAPMTR	2	0.728	0.832	1
GRCCZ07	All	3_REF_DCFanECM	REF_DCEVAPMTR	3	0.728	0.832	1
REFCZ07	All	2_REF_GIDrLowHE	REF_GLASSDRLOW	2	0.728	0.832	1
GRCCZ07	All	2_REF_GIDrLowHE	REF_GLASSDRLOW	2	0.728	0.832	1
REFCZ07	All	2_REF_GIDrMedHE	REF_GLASSDRMED	2	0.728	0.832	1
GRCCZ07	All	2_REF_GIDrMedHE	REF_GLASSDRMED	2	0.728	0.832	1
REFCZ07	All	1_REF_StdLTComp	REF_LTCONVCOMP	1	1 C	1 C	1
REFCZ07	All	2_REF_HELTComp	REF_LTCONVCOMP	2	0.728	0.832	1
GRCCZ07	All	1_REF_StdLTComp	REF_LTCONVCOMP	1	1 C	1 C	1
GRCCZ07	All	2_REF_HELTComp	REF_LTCONVCOMP	2	0.728	0.832	1
REFCZ07	All	1_REF_MPXStdCnd	REF_MPXEFFCOND	1	1 C	1 C	1
REFCZ07	All	2_REF_MPXOvrCnd	REF_MPXEFFCOND	2	0.728	0.832	0.4
GRCCZ07	All	1_REF_MPXStdCnd	REF_MPXEFFCOND	1	1 C	1 C	1
GRCCZ07	All	2_REF_MPXOvrCnd	REF_MPXEFFCOND	2	0.728	0.832	0.4
REFCZ07	All	2_REF_MPXFHP	REF_MPXFHP	2	1 C	1 C	1
GRCCZ07	All	2_REF_MPXFHP	REF_MPXFHP	2	1 C	1 C	1
REFCZ07	All	2_REF_NtCvCfHE	REF_NITECVRCOF	2	0.728	0.832	1
GRCCZ07	All	2_REF_NtCvCfHE	REF_NITECVRCOF	2	0.728	0.832	1
REFCZ07	All	2_REF_NtCvMdHE	REF_NITECVRMLT	2	0.728	0.832	1
GRCCZ07	All	2_REF_NtCvMdHE	REF_NITECVRMLT	2	0.728	0.832	1
REFCZ07	All	2_REF_WICrtnHE	REF_WI	2	0.728	0.832	1
GRCCZ07	All	2_REF_WICrtnHE	REF_WI	2	0.728	0.832	1
REFCZ07	All	2_REF_WIFnCtlHE	REF_WIEVAP	2	0.728	0.832	1
GRCCZ07	All	2_REF_WIFnCtlHE	REF_WIEVAP	2	0.728	0.832	1
REFCZ07	All	1_REF_WIFanStd	REF_WIEVAPMTR	1	1 C	1 C	1
REFCZ07	All	2_REF_WIFanECM	REF_WIEVAPMTR	2	0.728	0.832	1

SDG&E Commercial Refrigeration  
Awareness, Willingness, and Feasibility

Segment	Area	Technology ID	Competition Group	Tech. Order	Awareness	Willingness	Feasibility
GRCCZ07	All	1_REF_WIFanStd	REF_WIEVAPMTR	1	1 C	1 C	1
GRCCZ07	All	2_REF_WIFanECM	REF_WIEVAPMTR	2	0.728	0.832	1

## **D.2 Technology Density, Applicability, and Base Share**

The analysis derived most of the technology density information from the 2005 Commercial End-Use Survey.<sup>2</sup> This is a number that describes the number of technology units per conditioned square foot. For lighting, the technology density gives the number of fixtures or light bulbs per conditioned square foot. For HVAC, the density is usually the number of tons of equipment per conditioned square foot. For insulation and windows, the density is the number of square foot of applicable area.

The applicability limits the market to those situations where the technology is present. For replace-on-burnout models, the applicable market is the number of decaying units that are to be replaced (usually 1). For conversion technologies, the applicable market is the cumulative conversion from the base option to other options within the competition group (usually 1). For the retrofit model, the applicability is dependent upon having the device and applicable fuels. As described above, the applicability varies by decision type. In the following tables, RET is retrofit, CON is conversion, and ROB is replace on burn-out.

The base share is proportion of all floorspace in a given geographical area have the technology in place in the base year. The base share for retrofit models is the applicable market times the fraction of the market with the high efficiency technology.

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<sup>2</sup> Itron, Inc. *California Commercial Energy Use Survey*. CEC-400-2006-005. Prepared for the California Energy Commission. March 2006

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ01	ROB	1_HV_PACge65	1	1	0.11	3.27
HVAC3	COLCZ01	ROB	2_HV_PACge6513	2	1	0	3.27
HVAC3	COLCZ01	ROB	3_HV_PACge6514	3	1	0	3.27
HVAC3	GRCCZ01	ROB	1_HV_PACge65	1	1	0.28	2.32
HVAC3	GRCCZ01	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	GRCCZ01	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	HLTCZ01	ROB	1_HV_PACge65	1	1	0.15	2.87
HVAC3	HLTCZ01	ROB	2_HV_PACge6513	2	1	0	2.87
HVAC3	HLTCZ01	ROB	3_HV_PACge6514	3	1	0	2.87
HVAC3	LDGCZ01	ROB	1_HV_PACge65	1	1	0.02	2.27
HVAC3	LDGCZ01	ROB	2_HV_PACge6513	2	1	0	2.27
HVAC3	LDGCZ01	ROB	3_HV_PACge6514	3	1	0	2.27
HVAC3	LGOZ01	ROB	1_HV_PACge65	1	1	0.3	2.83
HVAC3	LGOZ01	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	LGOZ01	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	MSCCZ01	ROB	1_HV_PACge65	1	1	0.18	3.04
HVAC3	MSCCZ01	ROB	2_HV_PACge6513	2	1	0	3.04
HVAC3	MSCCZ01	ROB	3_HV_PACge6514	3	1	0	3.04
HVAC3	REFCZ01	ROB	1_HV_PACge65	1	1	0.08	2.99
HVAC3	REFCZ01	ROB	2_HV_PACge6513	2	1	0	2.99
HVAC3	REFCZ01	ROB	3_HV_PACge6514	3	1	0	2.99
HVAC3	RETCZ01	ROB	1_HV_PACge65	1	1	0.3	2.8
HVAC3	RETCZ01	ROB	2_HV_PACge6513	2	1	0	2.8
HVAC3	RETCZ01	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC3	RSTCZ01	ROB	1_HV_PACge65	1	1	0.2	4.05
HVAC3	RSTCZ01	ROB	2_HV_PACge6513	2	1	0	4.05
HVAC3	RSTCZ01	ROB	3_HV_PACge6514	3	1	0	4.05
HVAC3	SCHCZ01	ROB	1_HV_PACge65	1	1	0.15	3.63
HVAC3	SCHCZ01	ROB	2_HV_PACge6513	2	1	0	3.63
HVAC3	SCHCZ01	ROB	3_HV_PACge6514	3	1	0	3.63
HVAC3	SMOCZ01	ROB	1_HV_PACge65	1	1	0.32	3.23
HVAC3	SMOCZ01	ROB	2_HV_PACge6513	2	1	0	3.23
HVAC3	SMOCZ01	ROB	3_HV_PACge6514	3	1	0	3.23
HVAC3	WRHCZ01	ROB	1_HV_PACge65	1	1	0.08	2.53
HVAC3	WRHCZ01	ROB	2_HV_PACge6513	2	1	0	2.53



PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ01	ROB	3_HV_PACge6514	3	1	0	2.53
HVAC29	COLCZ01	RET	2_HV_BPipeIns	1	0.56	0.06	0.04
HVAC29	GRCCZ01	RET	2_HV_BPipeIns	1	0	0	0
HVAC29	HLTCZ01	RET	2_HV_BPipeIns	1	0.61	0.07	0.05
HVAC29	LDGCZ01	RET	2_HV_BPipeIns	1	0.75	0.05	0.08
HVAC29	LGOCZ01	RET	2_HV_BPipeIns	1	0.76	0.06	0.03
HVAC29	MSCCZ01	RET	2_HV_BPipeIns	1	0.28	0.03	0.12
HVAC29	REFCZ01	RET	2_HV_BPipeIns	1	0.59	0	0.02
HVAC29	RETCZ01	RET	2_HV_BPipeIns	1	0.08	0	0.03
HVAC29	RSTCZ01	RET	2_HV_BPipeIns	1	0.12	0.01	0.36
HVAC29	SCHCZ01	RET	2_HV_BPipeIns	1	0.38	0.01	0.06
HVAC29	SMOCZ01	RET	2_HV_BPipeIns	1	0.05	0	0.21
HVAC29	WRHCZ01	RET	2_HV_BPipeIns	1	0.05	0	0.06
HVAC24	COLCZ01	RET	2_HV_ChilPmpVFD	1	0.32	0.01	0.12
HVAC24	GRCCZ01	RET	2_HV_ChilPmpVFD	1	0.04	0	0.04
HVAC24	HLTCZ01	RET	2_HV_ChilPmpVFD	1	0.44	0.15	0.27
HVAC24	LDGCZ01	RET	2_HV_ChilPmpVFD	1	0.28	0.06	0.07
HVAC24	LGOCZ01	RET	2_HV_ChilPmpVFD	1	0.66	0.14	0.22
HVAC24	MSCCZ01	RET	2_HV_ChilPmpVFD	1	0.07	0.03	0.25
HVAC24	REFCZ01	RET	2_HV_ChilPmpVFD	1	0.42	0	0.02
HVAC24	RETCZ01	RET	2_HV_ChilPmpVFD	1	0.09	0	0.17
HVAC24	RSTCZ01	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ01	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SMOCZ01	RET	2_HV_ChilPmpVFD	1	0.05	0	0.16
HVAC24	WRHCZ01	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ01	RET	2_HV_VAV	1	0.48	0.01	0.96
HVAC23	GRCCZ01	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ01	RET	2_HV_VAV	1	0.4	0.13	0.99
HVAC23	LDGCZ01	RET	2_HV_VAV	1	0.18	0.06	0.34
HVAC23	LGOCZ01	RET	2_HV_VAV	1	0.69	0.39	1.04
HVAC23	MSCCZ01	RET	2_HV_VAV	1	0.05	0.01	1.51
HVAC23	REFCZ01	RET	2_HV_VAV	1	0.11	0	0.04
HVAC23	RETCZ01	RET	2_HV_VAV	1	0.02	0.02	1.38
HVAC23	RSTCZ01	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ01	RET	2_HV_VAV	1	0	0	0

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ01	RET	2_HV_VAV	1	0.05	0	1.26
HVAC23	WRHCZ01	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ01	RET	2_HV_CoolRoof	1	0.78	0	241.06
HVAC22	GRCCZ01	RET	2_HV_CoolRoof	1	0.26	0	979.73
HVAC22	HLTCZ01	RET	2_HV_CoolRoof	1	0.37	0.01	417.87
HVAC22	LDGCZ01	RET	2_HV_CoolRoof	1	0.32	0	236.07
HVAC22	LGOCZ01	RET	2_HV_CoolRoof	1	0.3	0.01	434.35
HVAC22	MSCCZ01	RET	2_HV_CoolRoof	1	0.23	0	631.84
HVAC22	REFCZ01	RET	2_HV_CoolRoof	1	0.35	0	787.51
HVAC22	RETCZ01	RET	2_HV_CoolRoof	1	0.33	0.07	811.23
HVAC22	RSTCZ01	RET	2_HV_CoolRoof	1	0.13	0	985.43
HVAC22	SCHCZ01	RET	2_HV_CoolRoof	1	0.23	0	412.32
HVAC22	SMOCZ01	RET	2_HV_CoolRoof	1	0.69	0	706.33
HVAC22	WRHCZ01	RET	2_HV_CoolRoof	1	0.5	0.04	749.05
HVAC21SZG	COLCZ01	RET	2_HV_TCtIszG	1	0.11	0.05	0.15
HVAC21SZG	GRCCZ01	RET	2_HV_TCtIszG	1	0.12	0.11	0.25
HVAC21SZG	HLTCZ01	RET	2_HV_TCtIszG	1	0.28	0.17	1.12
HVAC21SZG	LDGCZ01	RET	2_HV_TCtIszG	1	0.08	0.05	1.27
HVAC21SZG	LGOCZ01	RET	2_HV_TCtIszG	1	0.07	0.06	0.39
HVAC21SZG	MSCCZ01	RET	2_HV_TCtIszG	1	0.16	0.05	0.49
HVAC21SZG	REFCZ01	RET	2_HV_TCtIszG	1	0.05	0.04	0.04
HVAC21SZG	RETCZ01	RET	2_HV_TCtIszG	1	0.15	0.1	0.27
HVAC21SZG	RSTCZ01	RET	2_HV_TCtIszG	1	0.19	0.08	0.79
HVAC21SZG	SCHCZ01	RET	2_HV_TCtIszG	1	0.34	0.11	0.65
HVAC21SZG	SMOCZ01	RET	2_HV_TCtIszG	1	0.28	0	0.38
HVAC21SZG	WRHCZ01	RET	2_HV_TCtIszG	1	0.05	0.04	0.42
HVAC21SZE	COLCZ01	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	GRCCZ01	RET	2_HV_TCtIszE	1	0.01	0	1.38
HVAC21SZE	HLTCZ01	RET	2_HV_TCtIszE	1	0.07	0.06	0.59
HVAC21SZE	LDGCZ01	RET	2_HV_TCtIszE	1	0.22	0	2.15
HVAC21SZE	LGOCZ01	RET	2_HV_TCtIszE	1	0.03	0.03	0.32
HVAC21SZE	MSCCZ01	RET	2_HV_TCtIszE	1	0.02	0.01	1.22
HVAC21SZE	REFCZ01	RET	2_HV_TCtIszE	1	0.01	0	3.58
HVAC21SZE	RETCZ01	RET	2_HV_TCtIszE	1	0.11	0.02	0.69
HVAC21SZE	RSTCZ01	RET	2_HV_TCtIszE	1	0.03	0	1.11

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ01	RET	2_HV_TCtIszE	1	0.03	0.02	1.21
HVAC21SZE	SMOCZ01	RET	2_HV_TCtIszE	1	0.07	0.07	0.7
HVAC21SZE	WRHCZ01	RET	2_HV_TCtIszE	1	0	0	1.69
HVAC20E	COLCZ01	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ01	RET	2_HV_RfISngPane	1	0.02	0	202.2
HVAC20E	HLTCZ01	RET	2_HV_RfISngPane	1	0.03	0.01	464.06
HVAC20E	LDGCZ01	RET	2_HV_RfISngPane	1	0.08	0	58.85
HVAC20E	LGOCZ01	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	MSCCZ01	RET	2_HV_RfISngPane	1	0.01	0	36.04
HVAC20E	REFCZ01	RET	2_HV_RfISngPane	1	0.15	0	10.73
HVAC20E	RETCZ01	RET	2_HV_RfISngPane	1	0.06	0	45.3
HVAC20E	RSTCZ01	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SCHCZ01	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SMOCZ01	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	WRHCZ01	RET	2_HV_RfISngPane	1	0	0	9.37
HVAC2	COLCZ01	ROB	1_HV_PACIt65	1	1	0.54	3.27
HVAC2	COLCZ01	ROB	2_HV_PACIt6513	2	1	0	3.27
HVAC2	COLCZ01	ROB	3_HV_PACIt6514	3	1	0	3.27
HVAC2	GRCCZ01	ROB	1_HV_PACIt65	1	1	0.16	2.32
HVAC2	GRCCZ01	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	GRCCZ01	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	HLTCZ01	ROB	1_HV_PACIt65	1	1	0.27	2.87
HVAC2	HLTCZ01	ROB	2_HV_PACIt6513	2	1	0	2.87
HVAC2	HLTCZ01	ROB	3_HV_PACIt6514	3	1	0	2.87
HVAC2	LDGCZ01	ROB	1_HV_PACIt65	1	1	0.4	2.27
HVAC2	LDGCZ01	ROB	2_HV_PACIt6513	2	1	0	2.27
HVAC2	LDGCZ01	ROB	3_HV_PACIt6514	3	1	0	2.27
HVAC2	LGOCZ01	ROB	1_HV_PACIt65	1	1	0.07	2.83
HVAC2	LGOCZ01	ROB	2_HV_PACIt6513	2	1	0	2.83
HVAC2	LGOCZ01	ROB	3_HV_PACIt6514	3	1	0	2.83
HVAC2	MSCCZ01	ROB	1_HV_PACIt65	1	1	0.12	3.04
HVAC2	MSCCZ01	ROB	2_HV_PACIt6513	2	1	0	3.04
HVAC2	MSCCZ01	ROB	3_HV_PACIt6514	3	1	0	3.04
HVAC2	REFCZ01	ROB	1_HV_PACIt65	1	1	0.03	2.99
HVAC2	REFCZ01	ROB	2_HV_PACIt6513	2	1	0	2.99

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ01	ROB	3_HV_PACIt6514	3	1	0	2.99
HVAC2	RETCZ01	ROB	1_HV_PACIt65	1	1	0.2	2.8
HVAC2	RETCZ01	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	RETCZ01	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC2	RSTCZ01	ROB	1_HV_PACIt65	1	1	0.17	4.05
HVAC2	RSTCZ01	ROB	2_HV_PACIt6513	2	1	0	4.05
HVAC2	RSTCZ01	ROB	3_HV_PACIt6514	3	1	0	4.05
HVAC2	SCHCZ01	ROB	1_HV_PACIt65	1	1	0.32	3.63
HVAC2	SCHCZ01	ROB	2_HV_PACIt6513	2	1	0	3.63
HVAC2	SCHCZ01	ROB	3_HV_PACIt6514	3	1	0	3.63
HVAC2	SMOCZ01	ROB	1_HV_PACIt65	1	1	0.6	3.23
HVAC2	SMOCZ01	ROB	2_HV_PACIt6513	2	1	0	3.23
HVAC2	SMOCZ01	ROB	3_HV_PACIt6514	3	1	0	3.23
HVAC2	WRHCZ01	ROB	1_HV_PACIt65	1	1	0.08	2.53
HVAC2	WRHCZ01	ROB	2_HV_PACIt6513	2	1	0	2.53
HVAC2	WRHCZ01	ROB	3_HV_PACIt6514	3	1	0	2.53
HVAC1A	COLCZ01	ROB	1_HV_RecChBase	1	1	0.06	3.27
HVAC1A	COLCZ01	ROB	2_HV_RecChHEff	2	1	0.01	3.27
HVAC1A	GRCCZ01	ROB	1_HV_RecChBase	1	1	0.06	2.32
HVAC1A	GRCCZ01	ROB	2_HV_RecChHEff	2	1	0	2.32
HVAC1A	HLTCZ01	ROB	1_HV_RecChBase	1	1	0.05	2.87
HVAC1A	HLTCZ01	ROB	2_HV_RecChHEff	2	1	0.07	2.87
HVAC1A	LDGCZ01	ROB	1_HV_RecChBase	1	1	0.04	2.27
HVAC1A	LDGCZ01	ROB	2_HV_RecChHEff	2	1	0.01	2.27
HVAC1A	LGOCZ01	ROB	1_HV_RecChBase	1	1	0.1	2.83
HVAC1A	LGOCZ01	ROB	2_HV_RecChHEff	2	1	0.08	2.83
HVAC1A	MSCCZ01	ROB	1_HV_RecChBase	1	1	0.01	3.04
HVAC1A	MSCCZ01	ROB	2_HV_RecChHEff	2	1	0	3.04
HVAC1A	REFCZ01	ROB	1_HV_RecChBase	1	1	0.01	2.99
HVAC1A	REFCZ01	ROB	2_HV_RecChHEff	2	1	0	2.99
HVAC1A	RETCZ01	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	RETCZ01	ROB	2_HV_RecChHEff	2	1	0.01	2.8
HVAC1A	RSTCZ01	ROB	1_HV_RecChBase	1	1	0	4.05
HVAC1A	RSTCZ01	ROB	2_HV_RecChHEff	2	1	0	4.05
HVAC1A	SCHCZ01	ROB	1_HV_RecChBase	1	1	0	3.63

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ01	ROB	2_HV_RecChHEff	2	1	0	3.63
HVAC1A	SMOCZ01	ROB	1_HV_RecChBase	1	1	0.03	3.23
HVAC1A	SMOCZ01	ROB	2_HV_RecChHEff	2	1	0	3.23
HVAC1A	WRHCZ01	ROB	1_HV_RecChBase	1	1	0	2.53
HVAC1A	WRHCZ01	ROB	2_HV_RecChHEff	2	1	0	2.53
HVAC19	COLCZ01	RET	2_HV_SpHtBITune	1	0.3	0	0.02
HVAC19	GRCCZ01	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ01	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	LDGCZ01	RET	2_HV_SpHtBITune	1	0.37	0	0.01
HVAC19	LGOCZ01	RET	2_HV_SpHtBITune	1	0.55	0	0.01
HVAC19	MSCCZ01	RET	2_HV_SpHtBITune	1	0.11	0	0.05
HVAC19	REFCZ01	RET	2_HV_SpHtBITune	1	0.17	0	0
HVAC19	RETCZ01	RET	2_HV_SpHtBITune	1	0.06	0	0.01
HVAC19	RSTCZ01	RET	2_HV_SpHtBITune	1	0.06	0	0.28
HVAC19	SCHCZ01	RET	2_HV_SpHtBITune	1	0.04	0	0.07
HVAC19	SMOCZ01	RET	2_HV_SpHtBITune	1	0.05	0	0.1
HVAC19	WRHCZ01	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ01	ROB	1_HV_SpHtBIBase	1	1	0.21	50.63
HVAC18	COLCZ01	ROB	2_HV_SpHtBIHEff	2	1	0.18	50.63
HVAC18	GRCCZ01	ROB	1_HV_SpHtBIBase	1	1	0	36.23
HVAC18	GRCCZ01	ROB	2_HV_SpHtBIHEff	2	1	0	36.23
HVAC18	HLTCZ01	ROB	1_HV_SpHtBIBase	1	1	0.48	55.54
HVAC18	HLTCZ01	ROB	2_HV_SpHtBIHEff	2	1	0.03	55.54
HVAC18	LDGCZ01	ROB	1_HV_SpHtBIBase	1	1	0.11	47.44
HVAC18	LDGCZ01	ROB	2_HV_SpHtBIHEff	2	1	0	47.44
HVAC18	LGOCZ01	ROB	1_HV_SpHtBIBase	1	1	0.58	35.92
HVAC18	LGOCZ01	ROB	2_HV_SpHtBIHEff	2	1	0.05	35.92
HVAC18	MSCCZ01	ROB	1_HV_SpHtBIBase	1	1	0.1	54.67
HVAC18	MSCCZ01	ROB	2_HV_SpHtBIHEff	2	1	0	54.67
HVAC18	REFCZ01	ROB	1_HV_SpHtBIBase	1	1	0.02	38.42
HVAC18	REFCZ01	ROB	2_HV_SpHtBIHEff	2	1	0	38.42
HVAC18	RETCZ01	ROB	1_HV_SpHtBIBase	1	1	0.03	40.77
HVAC18	RETCZ01	ROB	2_HV_SpHtBIHEff	2	1	0	40.77
HVAC18	RSTCZ01	ROB	1_HV_SpHtBIBase	1	1	0.04	56.57
HVAC18	RSTCZ01	ROB	2_HV_SpHtBIHEff	2	1	0	56.57

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ01	ROB	1_HV_SpHtBIBase	1	1	0.14	75.55
HVAC18	SCHCZ01	ROB	2_HV_SpHtBIHEff	2	1	0	75.55
HVAC18	SMOCZ01	ROB	1_HV_SpHtBIBase	1	1	0.04	71.33
HVAC18	SMOCZ01	ROB	2_HV_SpHtBIHEff	2	1	0	71.33
HVAC18	WRHCZ01	ROB	1_HV_SpHtBIBase	1	1	0	28.62
HVAC18	WRHCZ01	ROB	2_HV_SpHtBIHEff	2	1	0	28.62
HVAC15	COLCZ01	RET	2_HV_DXTuneUp	2	0.49	0.12	3.27
HVAC15	GRCCZ01	RET	2_HV_DXTuneUp	2	0.56	0.14	2.32
HVAC15	HLTCZ01	RET	2_HV_DXTuneUp	2	0.43	0.11	2.87
HVAC15	LDGCZ01	RET	2_HV_DXTuneUp	2	0.45	0.11	2.27
HVAC15	LGOCZ01	RET	2_HV_DXTuneUp	2	0.29	0.07	2.83
HVAC15	MSCCZ01	RET	2_HV_DXTuneUp	2	0.35	0.09	3.04
HVAC15	REFCZ01	RET	2_HV_DXTuneUp	2	0.1	0.03	2.99
HVAC15	RETCZ01	RET	2_HV_DXTuneUp	2	0.51	0.13	2.8
HVAC15	RSTCZ01	RET	2_HV_DXTuneUp	2	0.41	0.1	4.05
HVAC15	SCHCZ01	RET	2_HV_DXTuneUp	2	0.47	0.12	3.63
HVAC15	SMOCZ01	RET	2_HV_DXTuneUp	2	0.91	0.23	3.23
HVAC15	WRHCZ01	RET	2_HV_DXTuneUp	2	0.16	0.04	2.53
HVAC14	COLCZ01	RET	2_HV_CHTuneUp	2	0.3	0.07	3.27
HVAC14	GRCCZ01	RET	2_HV_CHTuneUp	2	0.03	0.01	2.32
HVAC14	HLTCZ01	RET	2_HV_CHTuneUp	2	0.36	0.09	2.87
HVAC14	LDGCZ01	RET	2_HV_CHTuneUp	2	0.14	0.04	2.27
HVAC14	LGOCZ01	RET	2_HV_CHTuneUp	2	0.58	0.14	2.83
HVAC14	MSCCZ01	RET	2_HV_CHTuneUp	2	0.02	0	3.04
HVAC14	REFCZ01	RET	2_HV_CHTuneUp	2	0.01	0	2.99
HVAC14	RETCZ01	RET	2_HV_CHTuneUp	2	0.06	0.02	2.8
HVAC14	RSTCZ01	RET	2_HV_CHTuneUp	2	0	0	4.05
HVAC14	SCHCZ01	RET	2_HV_CHTuneUp	2	0	0	3.63
HVAC14	SMOCZ01	RET	2_HV_CHTuneUp	2	0.04	0.01	3.23
HVAC14	WRHCZ01	RET	2_HV_CHTuneUp	2	0	0	2.53
HVAC13	COLCZ01	ROB	1_HV_PTUge24	1	1	0	3.27
HVAC13	COLCZ01	ROB	2_HV_PTUge24HE	2	1	0	3.27
HVAC13	GRCCZ01	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	GRCCZ01	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	HLTCZ01	ROB	1_HV_PTUge24	1	1	0	2.87

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 1

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HVAC13	HLTCZ01	ROB	2_HV_PTUge24HE	2	1	0	2.87
HVAC13	LDGCZ01	ROB	1_HV_PTUge24	1	1	0	2.27
HVAC13	LDGCZ01	ROB	2_HV_PTUge24HE	2	1	0	2.27
HVAC13	LGOCZ01	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	LGOCZ01	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	MSCCZ01	ROB	1_HV_PTUge24	1	1	0	3.04
HVAC13	MSCCZ01	ROB	2_HV_PTUge24HE	2	1	0	3.04
HVAC13	REFCZ01	ROB	1_HV_PTUge24	1	1	0	2.99
HVAC13	REFCZ01	ROB	2_HV_PTUge24HE	2	1	0	2.99
HVAC13	RETCZ01	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	RETCZ01	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC13	RSTCZ01	ROB	1_HV_PTUge24	1	1	0.02	4.05
HVAC13	RSTCZ01	ROB	2_HV_PTUge24HE	2	1	0	4.05
HVAC13	SCHCZ01	ROB	1_HV_PTUge24	1	1	0	3.63
HVAC13	SCHCZ01	ROB	2_HV_PTUge24HE	2	1	0	3.63
HVAC13	SMOCZ01	ROB	1_HV_PTUge24	1	1	0	3.23
HVAC13	SMOCZ01	ROB	2_HV_PTUge24HE	2	1	0	3.23
HVAC13	WRHCZ01	ROB	1_HV_PTUge24	1	1	0	2.53
HVAC13	WRHCZ01	ROB	2_HV_PTUge24HE	2	1	0	2.53
HVAC10	COLCZ01	ROB	1_HV_PTUIt24	1	1	0	3.27
HVAC10	COLCZ01	ROB	2_HV_PTUIt24HE	2	1	0	3.27
HVAC10	GRCCZ01	ROB	1_HV_PTUIt24	1	1	0	2.32
HVAC10	GRCCZ01	ROB	2_HV_PTUIt24HE	2	1	0	2.32
HVAC10	HLTCZ01	ROB	1_HV_PTUIt24	1	1	0.01	2.87
HVAC10	HLTCZ01	ROB	2_HV_PTUIt24HE	2	1	0	2.87
HVAC10	LDGCZ01	ROB	1_HV_PTUIt24	1	1	0.15	2.27
HVAC10	LDGCZ01	ROB	2_HV_PTUIt24HE	2	1	0	2.27
HVAC10	LGOCZ01	ROB	1_HV_PTUIt24	1	1	0	2.83
HVAC10	LGOCZ01	ROB	2_HV_PTUIt24HE	2	1	0	2.83
HVAC10	MSCCZ01	ROB	1_HV_PTUIt24	1	1	0.01	3.04
HVAC10	MSCCZ01	ROB	2_HV_PTUIt24HE	2	1	0	3.04
HVAC10	REFCZ01	ROB	1_HV_PTUIt24	1	1	0	2.99
HVAC10	REFCZ01	ROB	2_HV_PTUIt24HE	2	1	0	2.99
HVAC10	RETCZ01	ROB	1_HV_PTUIt24	1	1	0.02	2.8
HVAC10	RETCZ01	ROB	2_HV_PTUIt24HE	2	1	0	2.8

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ01	ROB	1_HV_PTUlt24	1	1	0	4.05
HVAC10	RSTCZ01	ROB	2_HV_PTUlt24HE	2	1	0	4.05
HVAC10	SCHCZ01	ROB	1_HV_PTUlt24	1	1	0	3.63
HVAC10	SCHCZ01	ROB	2_HV_PTUlt24HE	2	1	0	3.63
HVAC10	SMOCZ01	ROB	1_HV_PTUlt24	1	1	0	3.23
HVAC10	SMOCZ01	ROB	2_HV_PTUlt24HE	2	1	0	3.23
HVAC10	WRHCZ01	ROB	1_HV_PTUlt24	1	1	0	2.53
HVAC10	WRHCZ01	ROB	2_HV_PTUlt24HE	2	1	0	2.53
HVAC1	COLCZ01	ROB	1_HV_CentChBase	1	1	0.07	3.27
HVAC1	COLCZ01	ROB	2_HV_CentChHEff	2	1	0	3.27
HVAC1	GRCCZ01	ROB	1_HV_CentChBase	1	1	0	2.32
HVAC1	GRCCZ01	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	HLTCZ01	ROB	1_HV_CentChBase	1	1	0.28	2.87
HVAC1	HLTCZ01	ROB	2_HV_CentChHEff	2	1	0	2.87
HVAC1	LDGCZ01	ROB	1_HV_CentChBase	1	1	0.05	2.27
HVAC1	LDGCZ01	ROB	2_HV_CentChHEff	2	1	0	2.27
HVAC1	LGOCZ01	ROB	1_HV_CentChBase	1	1	0.34	2.83
HVAC1	LGOCZ01	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	MSCCZ01	ROB	1_HV_CentChBase	1	1	0.04	3.04
HVAC1	MSCCZ01	ROB	2_HV_CentChHEff	2	1	0	3.04
HVAC1	REFCZ01	ROB	1_HV_CentChBase	1	1	0	2.99
HVAC1	REFCZ01	ROB	2_HV_CentChHEff	2	1	0	2.99
HVAC1	RETCZ01	ROB	1_HV_CentChBase	1	1	0.05	2.8
HVAC1	RETCZ01	ROB	2_HV_CentChHEff	2	1	0	2.8
HVAC1	RSTCZ01	ROB	1_HV_CentChBase	1	1	0	4.05
HVAC1	RSTCZ01	ROB	2_HV_CentChHEff	2	1	0	4.05
HVAC1	SCHCZ01	ROB	1_HV_CentChBase	1	1	0	3.63
HVAC1	SCHCZ01	ROB	2_HV_CentChHEff	2	1	0	3.63
HVAC1	SMOCZ01	ROB	1_HV_CentChBase	1	1	0	3.23
HVAC1	SMOCZ01	ROB	2_HV_CentChHEff	2	1	0	3.23
HVAC1	WRHCZ01	ROB	1_HV_CentChBase	1	1	0	2.53
HVAC1	WRHCZ01	ROB	2_HV_CentChHEff	2	1	0	2.53



PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ02	ROB	1_HV_PACge65	1	1	0.11	3.27
HVAC3	COLCZ02	ROB	2_HV_PACge6513	2	1	0	3.27
HVAC3	COLCZ02	ROB	3_HV_PACge6514	3	1	0	3.27
HVAC3	GRCCZ02	ROB	1_HV_PACge65	1	1	0.28	2.32
HVAC3	GRCCZ02	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	GRCCZ02	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	HLTCZ02	ROB	1_HV_PACge65	1	1	0.15	2.87
HVAC3	HLTCZ02	ROB	2_HV_PACge6513	2	1	0	2.87
HVAC3	HLTCZ02	ROB	3_HV_PACge6514	3	1	0	2.87
HVAC3	LDGCZ02	ROB	1_HV_PACge65	1	1	0.02	2.27
HVAC3	LDGCZ02	ROB	2_HV_PACge6513	2	1	0	2.27
HVAC3	LDGCZ02	ROB	3_HV_PACge6514	3	1	0	2.27
HVAC3	LGOZ02	ROB	1_HV_PACge65	1	1	0.3	2.83
HVAC3	LGOZ02	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	LGOZ02	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	MSCCZ02	ROB	1_HV_PACge65	1	1	0.18	3.04
HVAC3	MSCCZ02	ROB	2_HV_PACge6513	2	1	0	3.04
HVAC3	MSCCZ02	ROB	3_HV_PACge6514	3	1	0	3.04
HVAC3	REFCZ02	ROB	1_HV_PACge65	1	1	0.08	2.99
HVAC3	REFCZ02	ROB	2_HV_PACge6513	2	1	0	2.99
HVAC3	REFCZ02	ROB	3_HV_PACge6514	3	1	0	2.99
HVAC3	RETCZ02	ROB	1_HV_PACge65	1	1	0.3	2.8
HVAC3	RETCZ02	ROB	2_HV_PACge6513	2	1	0	2.8
HVAC3	RETCZ02	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC3	RSTCZ02	ROB	1_HV_PACge65	1	1	0.2	4.05
HVAC3	RSTCZ02	ROB	2_HV_PACge6513	2	1	0	4.05
HVAC3	RSTCZ02	ROB	3_HV_PACge6514	3	1	0	4.05
HVAC3	SCHCZ02	ROB	1_HV_PACge65	1	1	0.15	3.63
HVAC3	SCHCZ02	ROB	2_HV_PACge6513	2	1	0	3.63
HVAC3	SCHCZ02	ROB	3_HV_PACge6514	3	1	0	3.63
HVAC3	SMOCZ02	ROB	1_HV_PACge65	1	1	0.32	3.23
HVAC3	SMOCZ02	ROB	2_HV_PACge6513	2	1	0	3.23
HVAC3	SMOCZ02	ROB	3_HV_PACge6514	3	1	0	3.23
HVAC3	WRHCZ02	ROB	1_HV_PACge65	1	1	0.08	2.53
HVAC3	WRHCZ02	ROB	2_HV_PACge6513	2	1	0	2.53

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ02	ROB	3_HV_PACge6514	3	1	0	2.53
HVAC29	COLCZ02	RET	2_HV_BPipelns	1	0.56	0.06	0.04
HVAC29	GRCCZ02	RET	2_HV_BPipelns	1	0	0	0
HVAC29	HLTCZ02	RET	2_HV_BPipelns	1	0.61	0.07	0.05
HVAC29	LDGCZ02	RET	2_HV_BPipelns	1	0.75	0.05	0.08
HVAC29	LGOCZ02	RET	2_HV_BPipelns	1	0.76	0.06	0.03
HVAC29	MSCCZ02	RET	2_HV_BPipelns	1	0.28	0.03	0.12
HVAC29	REFCZ02	RET	2_HV_BPipelns	1	0.59	0	0.02
HVAC29	RETCZ02	RET	2_HV_BPipelns	1	0.08	0	0.03
HVAC29	RSTCZ02	RET	2_HV_BPipelns	1	0.12	0.01	0.36
HVAC29	SCHCZ02	RET	2_HV_BPipelns	1	0.38	0.01	0.06
HVAC29	SMOCZ02	RET	2_HV_BPipelns	1	0.05	0	0.21
HVAC29	WRHCZ02	RET	2_HV_BPipelns	1	0.05	0	0.06
HVAC24	COLCZ02	RET	2_HV_ChilPmpVFD	1	0.32	0.01	0.12
HVAC24	GRCCZ02	RET	2_HV_ChilPmpVFD	1	0.04	0	0.04
HVAC24	HLTCZ02	RET	2_HV_ChilPmpVFD	1	0.44	0.15	0.27
HVAC24	LDGCZ02	RET	2_HV_ChilPmpVFD	1	0.28	0.06	0.07
HVAC24	LGOCZ02	RET	2_HV_ChilPmpVFD	1	0.66	0.14	0.22
HVAC24	MSCCZ02	RET	2_HV_ChilPmpVFD	1	0.07	0.03	0.25
HVAC24	REFCZ02	RET	2_HV_ChilPmpVFD	1	0.42	0	0.02
HVAC24	RETCZ02	RET	2_HV_ChilPmpVFD	1	0.09	0	0.17
HVAC24	RSTCZ02	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ02	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SMOCZ02	RET	2_HV_ChilPmpVFD	1	0.05	0	0.16
HVAC24	WRHCZ02	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ02	RET	2_HV_VAV	1	0.48	0.01	0.96
HVAC23	GRCCZ02	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ02	RET	2_HV_VAV	1	0.4	0.13	0.99
HVAC23	LDGCZ02	RET	2_HV_VAV	1	0.18	0.06	0.34
HVAC23	LGOCZ02	RET	2_HV_VAV	1	0.69	0.39	1.04
HVAC23	MSCCZ02	RET	2_HV_VAV	1	0.05	0.01	1.51
HVAC23	REFCZ02	RET	2_HV_VAV	1	0.11	0	0.04
HVAC23	RETCZ02	RET	2_HV_VAV	1	0.02	0.02	1.38
HVAC23	RSTCZ02	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ02	RET	2_HV_VAV	1	0	0	0

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ02	RET	2_HV_VAV	1	0.05	0	1.26
HVAC23	WRHCZ02	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ02	RET	2_HV_CoolRoof	1	0.78	0	241.06
HVAC22	GRCCZ02	RET	2_HV_CoolRoof	1	0.26	0	979.73
HVAC22	HLTCZ02	RET	2_HV_CoolRoof	1	0.37	0.01	417.87
HVAC22	LDGCZ02	RET	2_HV_CoolRoof	1	0.32	0	236.07
HVAC22	LGOCZ02	RET	2_HV_CoolRoof	1	0.3	0.01	434.35
HVAC22	MSCCZ02	RET	2_HV_CoolRoof	1	0.23	0	631.84
HVAC22	REFCZ02	RET	2_HV_CoolRoof	1	0.35	0	787.51
HVAC22	RETCZ02	RET	2_HV_CoolRoof	1	0.33	0.07	811.23
HVAC22	RSTCZ02	RET	2_HV_CoolRoof	1	0.13	0	985.43
HVAC22	SCHCZ02	RET	2_HV_CoolRoof	1	0.23	0	412.32
HVAC22	SMOCZ02	RET	2_HV_CoolRoof	1	0.69	0	706.33
HVAC22	WRHCZ02	RET	2_HV_CoolRoof	1	0.5	0.04	749.05
HVAC21SZG	COLCZ02	RET	2_HV_TCtlSZG	1	0.11	0.05	0.15
HVAC21SZG	GRCCZ02	RET	2_HV_TCtlSZG	1	0.12	0.11	0.25
HVAC21SZG	HLTCZ02	RET	2_HV_TCtlSZG	1	0.28	0.17	1.12
HVAC21SZG	LDGCZ02	RET	2_HV_TCtlSZG	1	0.08	0.05	1.27
HVAC21SZG	LGOCZ02	RET	2_HV_TCtlSZG	1	0.07	0.06	0.39
HVAC21SZG	MSCCZ02	RET	2_HV_TCtlSZG	1	0.16	0.05	0.49
HVAC21SZG	REFCZ02	RET	2_HV_TCtlSZG	1	0.05	0.04	0.04
HVAC21SZG	RETCZ02	RET	2_HV_TCtlSZG	1	0.15	0.1	0.27
HVAC21SZG	RSTCZ02	RET	2_HV_TCtlSZG	1	0.19	0.08	0.79
HVAC21SZG	SCHCZ02	RET	2_HV_TCtlSZG	1	0.34	0.11	0.65
HVAC21SZG	SMOCZ02	RET	2_HV_TCtlSZG	1	0.28	0	0.38
HVAC21SZG	WRHCZ02	RET	2_HV_TCtlSZG	1	0.05	0.04	0.42
HVAC21SZE	COLCZ02	RET	2_HV_TCtlSZE	1	0	0	0
HVAC21SZE	GRCCZ02	RET	2_HV_TCtlSZE	1	0.01	0	1.38
HVAC21SZE	HLTCZ02	RET	2_HV_TCtlSZE	1	0.07	0.06	0.59
HVAC21SZE	LDGCZ02	RET	2_HV_TCtlSZE	1	0.22	0	2.15
HVAC21SZE	LGOCZ02	RET	2_HV_TCtlSZE	1	0.03	0.03	0.32
HVAC21SZE	MSCCZ02	RET	2_HV_TCtlSZE	1	0.02	0.01	1.22
HVAC21SZE	REFCZ02	RET	2_HV_TCtlSZE	1	0.01	0	3.58
HVAC21SZE	RETCZ02	RET	2_HV_TCtlSZE	1	0.11	0.02	0.69
HVAC21SZE	RSTCZ02	RET	2_HV_TCtlSZE	1	0.03	0	1.11

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ02	RET	2_HV_TCtlSzE	1	0.03	0.02	1.21
HVAC21SZE	SMOCZ02	RET	2_HV_TCtlSzE	1	0.07	0.07	0.7
HVAC21SZE	WRHCZ02	RET	2_HV_TCtlSzE	1	0	0	1.69
HVAC20E	COLCZ02	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	GRCCZ02	RET	2_HV_RflSngPane	1	0.02	0	202.2
HVAC20E	HLTCZ02	RET	2_HV_RflSngPane	1	0.03	0.01	464.06
HVAC20E	LDGCZ02	RET	2_HV_RflSngPane	1	0.08	0	58.85
HVAC20E	LGOCZ02	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	MSCCZ02	RET	2_HV_RflSngPane	1	0.01	0	36.04
HVAC20E	REFCZ02	RET	2_HV_RflSngPane	1	0.15	0	10.73
HVAC20E	RETCZ02	RET	2_HV_RflSngPane	1	0.06	0	45.3
HVAC20E	RSTCZ02	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	SCHCZ02	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	SMOCZ02	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	WRHCZ02	RET	2_HV_RflSngPane	1	0	0	9.37
HVAC2	COLCZ02	ROB	1_HV_PAClt65	1	1	0.54	3.27
HVAC2	COLCZ02	ROB	2_HV_PAClt6513	2	1	0	3.27
HVAC2	COLCZ02	ROB	3_HV_PAClt6514	3	1	0	3.27
HVAC2	GRCCZ02	ROB	1_HV_PAClt65	1	1	0.16	2.32
HVAC2	GRCCZ02	ROB	2_HV_PAClt6513	2	1	0	2.32
HVAC2	GRCCZ02	ROB	3_HV_PAClt6514	3	1	0	2.32
HVAC2	HLTCZ02	ROB	1_HV_PAClt65	1	1	0.27	2.87
HVAC2	HLTCZ02	ROB	2_HV_PAClt6513	2	1	0	2.87
HVAC2	HLTCZ02	ROB	3_HV_PAClt6514	3	1	0	2.87
HVAC2	LDGCZ02	ROB	1_HV_PAClt65	1	1	0.4	2.27
HVAC2	LDGCZ02	ROB	2_HV_PAClt6513	2	1	0	2.27
HVAC2	LDGCZ02	ROB	3_HV_PAClt6514	3	1	0	2.27
HVAC2	LGOCZ02	ROB	1_HV_PAClt65	1	1	0.07	2.83
HVAC2	LGOCZ02	ROB	2_HV_PAClt6513	2	1	0	2.83
HVAC2	LGOCZ02	ROB	3_HV_PAClt6514	3	1	0	2.83
HVAC2	MSCCZ02	ROB	1_HV_PAClt65	1	1	0.12	3.04
HVAC2	MSCCZ02	ROB	2_HV_PAClt6513	2	1	0	3.04
HVAC2	MSCCZ02	ROB	3_HV_PAClt6514	3	1	0	3.04
HVAC2	REFCZ02	ROB	1_HV_PAClt65	1	1	0.03	2.99
HVAC2	REFCZ02	ROB	2_HV_PAClt6513	2	1	0	2.99

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ02	ROB	3_HV_PACIt6514	3	1	0	2.99
HVAC2	RETCZ02	ROB	1_HV_PACIt65	1	1	0.2	2.8
HVAC2	RETCZ02	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	RETCZ02	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC2	RSTCZ02	ROB	1_HV_PACIt65	1	1	0.17	4.05
HVAC2	RSTCZ02	ROB	2_HV_PACIt6513	2	1	0	4.05
HVAC2	RSTCZ02	ROB	3_HV_PACIt6514	3	1	0	4.05
HVAC2	SCHCZ02	ROB	1_HV_PACIt65	1	1	0.32	3.63
HVAC2	SCHCZ02	ROB	2_HV_PACIt6513	2	1	0	3.63
HVAC2	SCHCZ02	ROB	3_HV_PACIt6514	3	1	0	3.63
HVAC2	SMOCZ02	ROB	1_HV_PACIt65	1	1	0.6	3.23
HVAC2	SMOCZ02	ROB	2_HV_PACIt6513	2	1	0	3.23
HVAC2	SMOCZ02	ROB	3_HV_PACIt6514	3	1	0	3.23
HVAC2	WRHCZ02	ROB	1_HV_PACIt65	1	1	0.08	2.53
HVAC2	WRHCZ02	ROB	2_HV_PACIt6513	2	1	0	2.53
HVAC2	WRHCZ02	ROB	3_HV_PACIt6514	3	1	0	2.53
HVAC1A	COLCZ02	ROB	1_HV_RecChBase	1	1	0.06	3.27
HVAC1A	COLCZ02	ROB	2_HV_RecChHEff	2	1	0.01	3.27
HVAC1A	GRCCZ02	ROB	1_HV_RecChBase	1	1	0.06	2.32
HVAC1A	GRCCZ02	ROB	2_HV_RecChHEff	2	1	0	2.32
HVAC1A	HLTCZ02	ROB	1_HV_RecChBase	1	1	0.05	2.87
HVAC1A	HLTCZ02	ROB	2_HV_RecChHEff	2	1	0.07	2.87
HVAC1A	LDGCZ02	ROB	1_HV_RecChBase	1	1	0.04	2.27
HVAC1A	LDGCZ02	ROB	2_HV_RecChHEff	2	1	0.01	2.27
HVAC1A	LGO CZ02	ROB	1_HV_RecChBase	1	1	0.1	2.83
HVAC1A	LGO CZ02	ROB	2_HV_RecChHEff	2	1	0.08	2.83
HVAC1A	MSCCZ02	ROB	1_HV_RecChBase	1	1	0.01	3.04
HVAC1A	MSCCZ02	ROB	2_HV_RecChHEff	2	1	0	3.04
HVAC1A	REFCZ02	ROB	1_HV_RecChBase	1	1	0.01	2.99
HVAC1A	REFCZ02	ROB	2_HV_RecChHEff	2	1	0	2.99
HVAC1A	RETCZ02	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	RETCZ02	ROB	2_HV_RecChHEff	2	1	0.01	2.8
HVAC1A	RSTCZ02	ROB	1_HV_RecChBase	1	1	0	4.05
HVAC1A	RSTCZ02	ROB	2_HV_RecChHEff	2	1	0	4.05
HVAC1A	SCHCZ02	ROB	1_HV_RecChBase	1	1	0	3.63

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 2

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HVAC1A	SCHCZ02	ROB	2_HV_RecChHEff	2	1	0	3.63
HVAC1A	SMOCZ02	ROB	1_HV_RecChBase	1	1	0.03	3.23
HVAC1A	SMOCZ02	ROB	2_HV_RecChHEff	2	1	0	3.23
HVAC1A	WRHCZ02	ROB	1_HV_RecChBase	1	1	0	2.53
HVAC1A	WRHCZ02	ROB	2_HV_RecChHEff	2	1	0	2.53
HVAC19	COLCZ02	RET	2_HV_SpHtBITune	1	0.3	0	0.02
HVAC19	GRCCZ02	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ02	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	LDGCZ02	RET	2_HV_SpHtBITune	1	0.37	0	0.01
HVAC19	LGOCZ02	RET	2_HV_SpHtBITune	1	0.55	0	0.01
HVAC19	MSCCZ02	RET	2_HV_SpHtBITune	1	0.11	0	0.05
HVAC19	REFCZ02	RET	2_HV_SpHtBITune	1	0.17	0	0
HVAC19	RETCZ02	RET	2_HV_SpHtBITune	1	0.06	0	0.01
HVAC19	RSTCZ02	RET	2_HV_SpHtBITune	1	0.06	0	0.28
HVAC19	SCHCZ02	RET	2_HV_SpHtBITune	1	0.04	0	0.07
HVAC19	SMOCZ02	RET	2_HV_SpHtBITune	1	0.05	0	0.1
HVAC19	WRHCZ02	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ02	ROB	1_HV_SpHtBIBase	1	1	0.21	50.63
HVAC18	COLCZ02	ROB	2_HV_SpHtBIHEff	2	1	0.18	50.63
HVAC18	GRCCZ02	ROB	1_HV_SpHtBIBase	1	1	0	36.23
HVAC18	GRCCZ02	ROB	2_HV_SpHtBIHEff	2	1	0	36.23
HVAC18	HLTCZ02	ROB	1_HV_SpHtBIBase	1	1	0.48	55.54
HVAC18	HLTCZ02	ROB	2_HV_SpHtBIHEff	2	1	0.03	55.54
HVAC18	LDGCZ02	ROB	1_HV_SpHtBIBase	1	1	0.11	47.44
HVAC18	LDGCZ02	ROB	2_HV_SpHtBIHEff	2	1	0	47.44
HVAC18	LGOCZ02	ROB	1_HV_SpHtBIBase	1	1	0.58	35.92
HVAC18	LGOCZ02	ROB	2_HV_SpHtBIHEff	2	1	0.05	35.92
HVAC18	MSCCZ02	ROB	1_HV_SpHtBIBase	1	1	0.1	54.67
HVAC18	MSCCZ02	ROB	2_HV_SpHtBIHEff	2	1	0	54.67
HVAC18	REFCZ02	ROB	1_HV_SpHtBIBase	1	1	0.02	38.42
HVAC18	REFCZ02	ROB	2_HV_SpHtBIHEff	2	1	0	38.42
HVAC18	RETCZ02	ROB	1_HV_SpHtBIBase	1	1	0.03	40.77
HVAC18	RETCZ02	ROB	2_HV_SpHtBIHEff	2	1	0	40.77
HVAC18	RSTCZ02	ROB	1_HV_SpHtBIBase	1	1	0.04	56.57
HVAC18	RSTCZ02	ROB	2_HV_SpHtBIHEff	2	1	0	56.57

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ02	ROB	1_HV_SpHtBIBase	1	1	0.14	75.55
HVAC18	SCHCZ02	ROB	2_HV_SpHtBIHEff	2	1	0	75.55
HVAC18	SMOCZ02	ROB	1_HV_SpHtBIBase	1	1	0.04	71.33
HVAC18	SMOCZ02	ROB	2_HV_SpHtBIHEff	2	1	0	71.33
HVAC18	WRHCZ02	ROB	1_HV_SpHtBIBase	1	1	0	28.62
HVAC18	WRHCZ02	ROB	2_HV_SpHtBIHEff	2	1	0	28.62
HVAC15	COLCZ02	RET	2_HV_DXTuneUp	2	0.49	0.12	3.27
HVAC15	GRCCZ02	RET	2_HV_DXTuneUp	2	0.56	0.14	2.32
HVAC15	HLTCZ02	RET	2_HV_DXTuneUp	2	0.43	0.11	2.87
HVAC15	LDGCZ02	RET	2_HV_DXTuneUp	2	0.45	0.11	2.27
HVAC15	LGOCZ02	RET	2_HV_DXTuneUp	2	0.29	0.07	2.83
HVAC15	MSCCZ02	RET	2_HV_DXTuneUp	2	0.35	0.09	3.04
HVAC15	REFCZ02	RET	2_HV_DXTuneUp	2	0.1	0.03	2.99
HVAC15	RETCZ02	RET	2_HV_DXTuneUp	2	0.51	0.13	2.8
HVAC15	RSTCZ02	RET	2_HV_DXTuneUp	2	0.41	0.1	4.05
HVAC15	SCHCZ02	RET	2_HV_DXTuneUp	2	0.47	0.12	3.63
HVAC15	SMOCZ02	RET	2_HV_DXTuneUp	2	0.91	0.23	3.23
HVAC15	WRHCZ02	RET	2_HV_DXTuneUp	2	0.16	0.04	2.53
HVAC14	COLCZ02	RET	2_HV_CHTuneUp	2	0.3	0.07	3.27
HVAC14	GRCCZ02	RET	2_HV_CHTuneUp	2	0.03	0.01	2.32
HVAC14	HLTCZ02	RET	2_HV_CHTuneUp	2	0.36	0.09	2.87
HVAC14	LDGCZ02	RET	2_HV_CHTuneUp	2	0.14	0.04	2.27
HVAC14	LGOCZ02	RET	2_HV_CHTuneUp	2	0.58	0.14	2.83
HVAC14	MSCCZ02	RET	2_HV_CHTuneUp	2	0.02	0	3.04
HVAC14	REFCZ02	RET	2_HV_CHTuneUp	2	0.01	0	2.99
HVAC14	RETCZ02	RET	2_HV_CHTuneUp	2	0.06	0.02	2.8
HVAC14	RSTCZ02	RET	2_HV_CHTuneUp	2	0	0	4.05
HVAC14	SCHCZ02	RET	2_HV_CHTuneUp	2	0	0	3.63
HVAC14	SMOCZ02	RET	2_HV_CHTuneUp	2	0.04	0.01	3.23
HVAC14	WRHCZ02	RET	2_HV_CHTuneUp	2	0	0	2.53
HVAC13	COLCZ02	ROB	1_HV_PTUge24	1	1	0	3.27
HVAC13	COLCZ02	ROB	2_HV_PTUge24HE	2	1	0	3.27
HVAC13	GRCCZ02	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	GRCCZ02	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	HLTCZ02	ROB	1_HV_PTUge24	1	1	0	2.87

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ02	ROB	2_HV_PTUge24HE	2	1	0	2.87
HVAC13	LDGCZ02	ROB	1_HV_PTUge24	1	1	0	2.27
HVAC13	LDGCZ02	ROB	2_HV_PTUge24HE	2	1	0	2.27
HVAC13	LGOCZ02	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	LGOCZ02	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	MSCCZ02	ROB	1_HV_PTUge24	1	1	0	3.04
HVAC13	MSCCZ02	ROB	2_HV_PTUge24HE	2	1	0	3.04
HVAC13	REFCZ02	ROB	1_HV_PTUge24	1	1	0	2.99
HVAC13	REFCZ02	ROB	2_HV_PTUge24HE	2	1	0	2.99
HVAC13	RETCZ02	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	RETCZ02	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC13	RSTCZ02	ROB	1_HV_PTUge24	1	1	0.02	4.05
HVAC13	RSTCZ02	ROB	2_HV_PTUge24HE	2	1	0	4.05
HVAC13	SCHCZ02	ROB	1_HV_PTUge24	1	1	0	3.63
HVAC13	SCHCZ02	ROB	2_HV_PTUge24HE	2	1	0	3.63
HVAC13	SMOCZ02	ROB	1_HV_PTUge24	1	1	0	3.23
HVAC13	SMOCZ02	ROB	2_HV_PTUge24HE	2	1	0	3.23
HVAC13	WRHCZ02	ROB	1_HV_PTUge24	1	1	0	2.53
HVAC13	WRHCZ02	ROB	2_HV_PTUge24HE	2	1	0	2.53
HVAC10	COLCZ02	ROB	1_HV_PTUit24	1	1	0	3.27
HVAC10	COLCZ02	ROB	2_HV_PTUit24HE	2	1	0	3.27
HVAC10	GRCCZ02	ROB	1_HV_PTUit24	1	1	0	2.32
HVAC10	GRCCZ02	ROB	2_HV_PTUit24HE	2	1	0	2.32
HVAC10	HLTCZ02	ROB	1_HV_PTUit24	1	1	0.01	2.87
HVAC10	HLTCZ02	ROB	2_HV_PTUit24HE	2	1	0	2.87
HVAC10	LDGCZ02	ROB	1_HV_PTUit24	1	1	0.15	2.27
HVAC10	LDGCZ02	ROB	2_HV_PTUit24HE	2	1	0	2.27
HVAC10	LGOCZ02	ROB	1_HV_PTUit24	1	1	0	2.83
HVAC10	LGOCZ02	ROB	2_HV_PTUit24HE	2	1	0	2.83
HVAC10	MSCCZ02	ROB	1_HV_PTUit24	1	1	0.01	3.04
HVAC10	MSCCZ02	ROB	2_HV_PTUit24HE	2	1	0	3.04
HVAC10	REFCZ02	ROB	1_HV_PTUit24	1	1	0	2.99
HVAC10	REFCZ02	ROB	2_HV_PTUit24HE	2	1	0	2.99
HVAC10	RETCZ02	ROB	1_HV_PTUit24	1	1	0.02	2.8
HVAC10	RETCZ02	ROB	2_HV_PTUit24HE	2	1	0	2.8



PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ02	ROB	1_HV_PTUlt24	1	1	0	4.05
HVAC10	RSTCZ02	ROB	2_HV_PTUlt24HE	2	1	0	4.05
HVAC10	SCHCZ02	ROB	1_HV_PTUlt24	1	1	0	3.63
HVAC10	SCHCZ02	ROB	2_HV_PTUlt24HE	2	1	0	3.63
HVAC10	SMOCZ02	ROB	1_HV_PTUlt24	1	1	0	3.23
HVAC10	SMOCZ02	ROB	2_HV_PTUlt24HE	2	1	0	3.23
HVAC10	WRHCZ02	ROB	1_HV_PTUlt24	1	1	0	2.53
HVAC10	WRHCZ02	ROB	2_HV_PTUlt24HE	2	1	0	2.53
HVAC1	COLCZ02	ROB	1_HV_CentChBase	1	1	0.07	3.27
HVAC1	COLCZ02	ROB	2_HV_CentChHEff	2	1	0	3.27
HVAC1	GRCCZ02	ROB	1_HV_CentChBase	1	1	0	2.32
HVAC1	GRCCZ02	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	HLTCZ02	ROB	1_HV_CentChBase	1	1	0.28	2.87
HVAC1	HLTCZ02	ROB	2_HV_CentChHEff	2	1	0	2.87
HVAC1	LDGCZ02	ROB	1_HV_CentChBase	1	1	0.05	2.27
HVAC1	LDGCZ02	ROB	2_HV_CentChHEff	2	1	0	2.27
HVAC1	LGOCZ02	ROB	1_HV_CentChBase	1	1	0.34	2.83
HVAC1	LGOCZ02	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	MSCCZ02	ROB	1_HV_CentChBase	1	1	0.04	3.04
HVAC1	MSCCZ02	ROB	2_HV_CentChHEff	2	1	0	3.04
HVAC1	REFCZ02	ROB	1_HV_CentChBase	1	1	0	2.99
HVAC1	REFCZ02	ROB	2_HV_CentChHEff	2	1	0	2.99
HVAC1	RETCZ02	ROB	1_HV_CentChBase	1	1	0.05	2.8
HVAC1	RETCZ02	ROB	2_HV_CentChHEff	2	1	0	2.8
HVAC1	RSTCZ02	ROB	1_HV_CentChBase	1	1	0	4.05
HVAC1	RSTCZ02	ROB	2_HV_CentChHEff	2	1	0	4.05
HVAC1	SCHCZ02	ROB	1_HV_CentChBase	1	1	0	3.63
HVAC1	SCHCZ02	ROB	2_HV_CentChHEff	2	1	0	3.63
HVAC1	SMOCZ02	ROB	1_HV_CentChBase	1	1	0	3.23
HVAC1	SMOCZ02	ROB	2_HV_CentChHEff	2	1	0	3.23
HVAC1	WRHCZ02	ROB	1_HV_CentChBase	1	1	0	2.53
HVAC1	WRHCZ02	ROB	2_HV_CentChHEff	2	1	0	2.53

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ03	ROB	1_HV_PACge65	1	1	0.11	3.27
HVAC3	COLCZ03	ROB	2_HV_PACge6513	2	1	0	3.27
HVAC3	COLCZ03	ROB	3_HV_PACge6514	3	1	0	3.27
HVAC3	GRCCZ03	ROB	1_HV_PACge65	1	1	0.28	2.32
HVAC3	GRCCZ03	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	GRCCZ03	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	HLTCZ03	ROB	1_HV_PACge65	1	1	0.15	2.87
HVAC3	HLTCZ03	ROB	2_HV_PACge6513	2	1	0	2.87
HVAC3	HLTCZ03	ROB	3_HV_PACge6514	3	1	0	2.87
HVAC3	LDGCZ03	ROB	1_HV_PACge65	1	1	0.02	2.27
HVAC3	LDGCZ03	ROB	2_HV_PACge6513	2	1	0	2.27
HVAC3	LDGCZ03	ROB	3_HV_PACge6514	3	1	0	2.27
HVAC3	LGOZ03	ROB	1_HV_PACge65	1	1	0.3	2.83
HVAC3	LGOZ03	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	LGOZ03	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	MSCCZ03	ROB	1_HV_PACge65	1	1	0.18	3.04
HVAC3	MSCCZ03	ROB	2_HV_PACge6513	2	1	0	3.04
HVAC3	MSCCZ03	ROB	3_HV_PACge6514	3	1	0	3.04
HVAC3	REFCZ03	ROB	1_HV_PACge65	1	1	0.08	2.99
HVAC3	REFCZ03	ROB	2_HV_PACge6513	2	1	0	2.99
HVAC3	REFCZ03	ROB	3_HV_PACge6514	3	1	0	2.99
HVAC3	RETCZ03	ROB	1_HV_PACge65	1	1	0.3	2.8
HVAC3	RETCZ03	ROB	2_HV_PACge6513	2	1	0	2.8
HVAC3	RETCZ03	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC3	RSTCZ03	ROB	1_HV_PACge65	1	1	0.2	4.05
HVAC3	RSTCZ03	ROB	2_HV_PACge6513	2	1	0	4.05
HVAC3	RSTCZ03	ROB	3_HV_PACge6514	3	1	0	4.05
HVAC3	SCHCZ03	ROB	1_HV_PACge65	1	1	0.15	3.63
HVAC3	SCHCZ03	ROB	2_HV_PACge6513	2	1	0	3.63
HVAC3	SCHCZ03	ROB	3_HV_PACge6514	3	1	0	3.63
HVAC3	SMOCZ03	ROB	1_HV_PACge65	1	1	0.32	3.23
HVAC3	SMOCZ03	ROB	2_HV_PACge6513	2	1	0	3.23
HVAC3	SMOCZ03	ROB	3_HV_PACge6514	3	1	0	3.23
HVAC3	WRHCZ03	ROB	1_HV_PACge65	1	1	0.08	2.53
HVAC3	WRHCZ03	ROB	2_HV_PACge6513	2	1	0	2.53

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ03	ROB	3_HV_PACge6514	3	1	0	2.53
HVAC29	COLCZ03	RET	2_HV_BPipelns	1	0.56	0.06	0.04
HVAC29	GRCCZ03	RET	2_HV_BPipelns	1	0	0	0
HVAC29	HLTCZ03	RET	2_HV_BPipelns	1	0.61	0.07	0.05
HVAC29	LDGCZ03	RET	2_HV_BPipelns	1	0.75	0.05	0.08
HVAC29	LGOCZ03	RET	2_HV_BPipelns	1	0.76	0.06	0.03
HVAC29	MSCCZ03	RET	2_HV_BPipelns	1	0.28	0.03	0.12
HVAC29	REFCZ03	RET	2_HV_BPipelns	1	0.59	0	0.02
HVAC29	RETCZ03	RET	2_HV_BPipelns	1	0.08	0	0.03
HVAC29	RSTCZ03	RET	2_HV_BPipelns	1	0.12	0.01	0.36
HVAC29	SCHCZ03	RET	2_HV_BPipelns	1	0.38	0.01	0.06
HVAC29	SMOCZ03	RET	2_HV_BPipelns	1	0.05	0	0.21
HVAC29	WRHCZ03	RET	2_HV_BPipelns	1	0.05	0	0.06
HVAC24	COLCZ03	RET	2_HV_ChilPmpVFD	1	0.32	0.01	0.12
HVAC24	GRCCZ03	RET	2_HV_ChilPmpVFD	1	0.04	0	0.04
HVAC24	HLTCZ03	RET	2_HV_ChilPmpVFD	1	0.44	0.15	0.27
HVAC24	LDGCZ03	RET	2_HV_ChilPmpVFD	1	0.28	0.06	0.07
HVAC24	LGOCZ03	RET	2_HV_ChilPmpVFD	1	0.66	0.14	0.22
HVAC24	MSCCZ03	RET	2_HV_ChilPmpVFD	1	0.07	0.03	0.25
HVAC24	REFCZ03	RET	2_HV_ChilPmpVFD	1	0.42	0	0.02
HVAC24	RETCZ03	RET	2_HV_ChilPmpVFD	1	0.09	0	0.17
HVAC24	RSTCZ03	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ03	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SMOCZ03	RET	2_HV_ChilPmpVFD	1	0.05	0	0.16
HVAC24	WRHCZ03	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ03	RET	2_HV_VAV	1	0.48	0.01	0.96
HVAC23	GRCCZ03	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ03	RET	2_HV_VAV	1	0.4	0.13	0.99
HVAC23	LDGCZ03	RET	2_HV_VAV	1	0.18	0.06	0.34
HVAC23	LGOCZ03	RET	2_HV_VAV	1	0.69	0.39	1.04
HVAC23	MSCCZ03	RET	2_HV_VAV	1	0.05	0.01	1.51
HVAC23	REFCZ03	RET	2_HV_VAV	1	0.11	0	0.04
HVAC23	RETCZ03	RET	2_HV_VAV	1	0.02	0.02	1.38
HVAC23	RSTCZ03	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ03	RET	2_HV_VAV	1	0	0	0

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ03	RET	2_HV_VAV	1	0.05	0	1.26
HVAC23	WRHCZ03	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ03	RET	2_HV_CoolRoof	1	0.78	0	241.06
HVAC22	GRCCZ03	RET	2_HV_CoolRoof	1	0.26	0	979.73
HVAC22	HLTCZ03	RET	2_HV_CoolRoof	1	0.37	0.01	417.87
HVAC22	LDGCZ03	RET	2_HV_CoolRoof	1	0.32	0	236.07
HVAC22	LGOCZ03	RET	2_HV_CoolRoof	1	0.3	0.01	434.35
HVAC22	MSCCZ03	RET	2_HV_CoolRoof	1	0.23	0	631.84
HVAC22	REFCZ03	RET	2_HV_CoolRoof	1	0.35	0	787.51
HVAC22	RETCZ03	RET	2_HV_CoolRoof	1	0.33	0.07	811.23
HVAC22	RSTCZ03	RET	2_HV_CoolRoof	1	0.13	0	985.43
HVAC22	SCHCZ03	RET	2_HV_CoolRoof	1	0.23	0	412.32
HVAC22	SMOCZ03	RET	2_HV_CoolRoof	1	0.69	0	706.33
HVAC22	WRHCZ03	RET	2_HV_CoolRoof	1	0.5	0.04	749.05
HVAC21SZG	COLCZ03	RET	2_HV_TCtlzG	1	0.11	0.05	0.15
HVAC21SZG	GRCCZ03	RET	2_HV_TCtlzG	1	0.12	0.11	0.25
HVAC21SZG	HLTCZ03	RET	2_HV_TCtlzG	1	0.28	0.17	1.12
HVAC21SZG	LDGCZ03	RET	2_HV_TCtlzG	1	0.08	0.05	1.27
HVAC21SZG	LGOCZ03	RET	2_HV_TCtlzG	1	0.07	0.06	0.39
HVAC21SZG	MSCCZ03	RET	2_HV_TCtlzG	1	0.16	0.05	0.49
HVAC21SZG	REFCZ03	RET	2_HV_TCtlzG	1	0.05	0.04	0.04
HVAC21SZG	RETCZ03	RET	2_HV_TCtlzG	1	0.15	0.1	0.27
HVAC21SZG	RSTCZ03	RET	2_HV_TCtlzG	1	0.19	0.08	0.79
HVAC21SZG	SCHCZ03	RET	2_HV_TCtlzG	1	0.34	0.11	0.65
HVAC21SZG	SMOCZ03	RET	2_HV_TCtlzG	1	0.28	0	0.38
HVAC21SZG	WRHCZ03	RET	2_HV_TCtlzG	1	0.05	0.04	0.42
HVAC21SZE	COLCZ03	RET	2_HV_TCtlzE	1	0	0	0
HVAC21SZE	GRCCZ03	RET	2_HV_TCtlzE	1	0.01	0	1.38
HVAC21SZE	HLTCZ03	RET	2_HV_TCtlzE	1	0.07	0.06	0.59
HVAC21SZE	LDGCZ03	RET	2_HV_TCtlzE	1	0.22	0	2.15
HVAC21SZE	LGOCZ03	RET	2_HV_TCtlzE	1	0.03	0.03	0.32
HVAC21SZE	MSCCZ03	RET	2_HV_TCtlzE	1	0.02	0.01	1.22
HVAC21SZE	REFCZ03	RET	2_HV_TCtlzE	1	0.01	0	3.58
HVAC21SZE	RETCZ03	RET	2_HV_TCtlzE	1	0.11	0.02	0.69
HVAC21SZE	RSTCZ03	RET	2_HV_TCtlzE	1	0.03	0	1.11

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ03	RET	2_HV_TCtlSzE	1	0.03	0.02	1.21
HVAC21SZE	SMOCZ03	RET	2_HV_TCtlSzE	1	0.07	0.07	0.7
HVAC21SZE	WRHCZ03	RET	2_HV_TCtlSzE	1	0	0	1.69
HVAC20E	COLCZ03	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	GRCCZ03	RET	2_HV_RflSngPane	1	0.02	0	202.2
HVAC20E	HLTCZ03	RET	2_HV_RflSngPane	1	0.03	0.01	464.06
HVAC20E	LDGCZ03	RET	2_HV_RflSngPane	1	0.08	0	58.85
HVAC20E	LGOCZ03	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	MSCCZ03	RET	2_HV_RflSngPane	1	0.01	0	36.04
HVAC20E	REFCZ03	RET	2_HV_RflSngPane	1	0.15	0	10.73
HVAC20E	RETCZ03	RET	2_HV_RflSngPane	1	0.06	0	45.3
HVAC20E	RSTCZ03	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	SCHCZ03	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	SMOCZ03	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	WRHCZ03	RET	2_HV_RflSngPane	1	0	0	9.37
HVAC2	COLCZ03	ROB	1_HV_PAClt65	1	1	0.54	3.27
HVAC2	COLCZ03	ROB	2_HV_PAClt6513	2	1	0	3.27
HVAC2	COLCZ03	ROB	3_HV_PAClt6514	3	1	0	3.27
HVAC2	GRCCZ03	ROB	1_HV_PAClt65	1	1	0.16	2.32
HVAC2	GRCCZ03	ROB	2_HV_PAClt6513	2	1	0	2.32
HVAC2	GRCCZ03	ROB	3_HV_PAClt6514	3	1	0	2.32
HVAC2	HLTCZ03	ROB	1_HV_PAClt65	1	1	0.27	2.87
HVAC2	HLTCZ03	ROB	2_HV_PAClt6513	2	1	0	2.87
HVAC2	HLTCZ03	ROB	3_HV_PAClt6514	3	1	0	2.87
HVAC2	LDGCZ03	ROB	1_HV_PAClt65	1	1	0.4	2.27
HVAC2	LDGCZ03	ROB	2_HV_PAClt6513	2	1	0	2.27
HVAC2	LDGCZ03	ROB	3_HV_PAClt6514	3	1	0	2.27
HVAC2	LGOCZ03	ROB	1_HV_PAClt65	1	1	0.07	2.83
HVAC2	LGOCZ03	ROB	2_HV_PAClt6513	2	1	0	2.83
HVAC2	LGOCZ03	ROB	3_HV_PAClt6514	3	1	0	2.83
HVAC2	MSCCZ03	ROB	1_HV_PAClt65	1	1	0.12	3.04
HVAC2	MSCCZ03	ROB	2_HV_PAClt6513	2	1	0	3.04
HVAC2	MSCCZ03	ROB	3_HV_PAClt6514	3	1	0	3.04
HVAC2	REFCZ03	ROB	1_HV_PAClt65	1	1	0.03	2.99
HVAC2	REFCZ03	ROB	2_HV_PAClt6513	2	1	0	2.99

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ03	ROB	3_HV_PACIt6514	3	1	0	2.99
HVAC2	RETCZ03	ROB	1_HV_PACIt65	1	1	0.2	2.8
HVAC2	RETCZ03	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	RETCZ03	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC2	RSTCZ03	ROB	1_HV_PACIt65	1	1	0.17	4.05
HVAC2	RSTCZ03	ROB	2_HV_PACIt6513	2	1	0	4.05
HVAC2	RSTCZ03	ROB	3_HV_PACIt6514	3	1	0	4.05
HVAC2	SCHCZ03	ROB	1_HV_PACIt65	1	1	0.32	3.63
HVAC2	SCHCZ03	ROB	2_HV_PACIt6513	2	1	0	3.63
HVAC2	SCHCZ03	ROB	3_HV_PACIt6514	3	1	0	3.63
HVAC2	SMOCZ03	ROB	1_HV_PACIt65	1	1	0.6	3.23
HVAC2	SMOCZ03	ROB	2_HV_PACIt6513	2	1	0	3.23
HVAC2	SMOCZ03	ROB	3_HV_PACIt6514	3	1	0	3.23
HVAC2	WRHCZ03	ROB	1_HV_PACIt65	1	1	0.08	2.53
HVAC2	WRHCZ03	ROB	2_HV_PACIt6513	2	1	0	2.53
HVAC2	WRHCZ03	ROB	3_HV_PACIt6514	3	1	0	2.53
HVAC1A	COLCZ03	ROB	1_HV_RecChBase	1	1	0.06	3.27
HVAC1A	COLCZ03	ROB	2_HV_RecChHEff	2	1	0.01	3.27
HVAC1A	GRCCZ03	ROB	1_HV_RecChBase	1	1	0.06	2.32
HVAC1A	GRCCZ03	ROB	2_HV_RecChHEff	2	1	0	2.32
HVAC1A	HLTCZ03	ROB	1_HV_RecChBase	1	1	0.05	2.87
HVAC1A	HLTCZ03	ROB	2_HV_RecChHEff	2	1	0.07	2.87
HVAC1A	LDGCZ03	ROB	1_HV_RecChBase	1	1	0.04	2.27
HVAC1A	LDGCZ03	ROB	2_HV_RecChHEff	2	1	0.01	2.27
HVAC1A	LGO CZ03	ROB	1_HV_RecChBase	1	1	0.1	2.83
HVAC1A	LGO CZ03	ROB	2_HV_RecChHEff	2	1	0.08	2.83
HVAC1A	MSCCZ03	ROB	1_HV_RecChBase	1	1	0.01	3.04
HVAC1A	MSCCZ03	ROB	2_HV_RecChHEff	2	1	0	3.04
HVAC1A	REFCZ03	ROB	1_HV_RecChBase	1	1	0.01	2.99
HVAC1A	REFCZ03	ROB	2_HV_RecChHEff	2	1	0	2.99
HVAC1A	RETCZ03	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	RETCZ03	ROB	2_HV_RecChHEff	2	1	0.01	2.8
HVAC1A	RSTCZ03	ROB	1_HV_RecChBase	1	1	0	4.05
HVAC1A	RSTCZ03	ROB	2_HV_RecChHEff	2	1	0	4.05
HVAC1A	SCHCZ03	ROB	1_HV_RecChBase	1	1	0	3.63

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ03	ROB	2_HV_RecChHEff	2	1	0	3.63
HVAC1A	SMOCZ03	ROB	1_HV_RecChBase	1	1	0.03	3.23
HVAC1A	SMOCZ03	ROB	2_HV_RecChHEff	2	1	0	3.23
HVAC1A	WRHCZ03	ROB	1_HV_RecChBase	1	1	0	2.53
HVAC1A	WRHCZ03	ROB	2_HV_RecChHEff	2	1	0	2.53
HVAC19	COLCZ03	RET	2_HV_SpHtBITune	1	0.3	0	0.02
HVAC19	GRCCZ03	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ03	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	LDGCZ03	RET	2_HV_SpHtBITune	1	0.37	0	0.01
HVAC19	LGOCZ03	RET	2_HV_SpHtBITune	1	0.55	0	0.01
HVAC19	MSCCZ03	RET	2_HV_SpHtBITune	1	0.11	0	0.05
HVAC19	REFCZ03	RET	2_HV_SpHtBITune	1	0.17	0	0
HVAC19	RETCZ03	RET	2_HV_SpHtBITune	1	0.06	0	0.01
HVAC19	RSTCZ03	RET	2_HV_SpHtBITune	1	0.06	0	0.28
HVAC19	SCHCZ03	RET	2_HV_SpHtBITune	1	0.04	0	0.07
HVAC19	SMOCZ03	RET	2_HV_SpHtBITune	1	0.05	0	0.1
HVAC19	WRHCZ03	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ03	ROB	1_HV_SpHtBIBase	1	1	0.21	50.63
HVAC18	COLCZ03	ROB	2_HV_SpHtBIHEff	2	1	0.18	50.63
HVAC18	GRCCZ03	ROB	1_HV_SpHtBIBase	1	1	0	36.23
HVAC18	GRCCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	36.23
HVAC18	HLTCZ03	ROB	1_HV_SpHtBIBase	1	1	0.48	55.54
HVAC18	HLTCZ03	ROB	2_HV_SpHtBIHEff	2	1	0.03	55.54
HVAC18	LDGCZ03	ROB	1_HV_SpHtBIBase	1	1	0.11	47.44
HVAC18	LDGCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	47.44
HVAC18	LGOCZ03	ROB	1_HV_SpHtBIBase	1	1	0.58	35.92
HVAC18	LGOCZ03	ROB	2_HV_SpHtBIHEff	2	1	0.05	35.92
HVAC18	MSCCZ03	ROB	1_HV_SpHtBIBase	1	1	0.1	54.67
HVAC18	MSCCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	54.67
HVAC18	REFCZ03	ROB	1_HV_SpHtBIBase	1	1	0.02	38.42
HVAC18	REFCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	38.42
HVAC18	RETCZ03	ROB	1_HV_SpHtBIBase	1	1	0.03	40.77
HVAC18	RETCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	40.77
HVAC18	RSTCZ03	ROB	1_HV_SpHtBIBase	1	1	0.04	56.57
HVAC18	RSTCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	56.57

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ03	ROB	1_HV_SpHtBIBase	1	1	0.14	75.55
HVAC18	SCHCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	75.55
HVAC18	SMOCZ03	ROB	1_HV_SpHtBIBase	1	1	0.04	71.33
HVAC18	SMOCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	71.33
HVAC18	WRHCZ03	ROB	1_HV_SpHtBIBase	1	1	0	28.62
HVAC18	WRHCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	28.62
HVAC15	COLCZ03	RET	2_HV_DXTuneUp	2	0.49	0.12	3.27
HVAC15	GRCCZ03	RET	2_HV_DXTuneUp	2	0.56	0.14	2.32
HVAC15	HLTCZ03	RET	2_HV_DXTuneUp	2	0.43	0.11	2.87
HVAC15	LDGCZ03	RET	2_HV_DXTuneUp	2	0.45	0.11	2.27
HVAC15	LGOCZ03	RET	2_HV_DXTuneUp	2	0.29	0.07	2.83
HVAC15	MSCCZ03	RET	2_HV_DXTuneUp	2	0.35	0.09	3.04
HVAC15	REFCZ03	RET	2_HV_DXTuneUp	2	0.1	0.03	2.99
HVAC15	RETCZ03	RET	2_HV_DXTuneUp	2	0.51	0.13	2.8
HVAC15	RSTCZ03	RET	2_HV_DXTuneUp	2	0.41	0.1	4.05
HVAC15	SCHCZ03	RET	2_HV_DXTuneUp	2	0.47	0.12	3.63
HVAC15	SMOCZ03	RET	2_HV_DXTuneUp	2	0.91	0.23	3.23
HVAC15	WRHCZ03	RET	2_HV_DXTuneUp	2	0.16	0.04	2.53
HVAC14	COLCZ03	RET	2_HV_CHTuneUp	2	0.3	0.07	3.27
HVAC14	GRCCZ03	RET	2_HV_CHTuneUp	2	0.03	0.01	2.32
HVAC14	HLTCZ03	RET	2_HV_CHTuneUp	2	0.36	0.09	2.87
HVAC14	LDGCZ03	RET	2_HV_CHTuneUp	2	0.14	0.04	2.27
HVAC14	LGOCZ03	RET	2_HV_CHTuneUp	2	0.58	0.14	2.83
HVAC14	MSCCZ03	RET	2_HV_CHTuneUp	2	0.02	0	3.04
HVAC14	REFCZ03	RET	2_HV_CHTuneUp	2	0.01	0	2.99
HVAC14	RETCZ03	RET	2_HV_CHTuneUp	2	0.06	0.02	2.8
HVAC14	RSTCZ03	RET	2_HV_CHTuneUp	2	0	0	4.05
HVAC14	SCHCZ03	RET	2_HV_CHTuneUp	2	0	0	3.63
HVAC14	SMOCZ03	RET	2_HV_CHTuneUp	2	0.04	0.01	3.23
HVAC14	WRHCZ03	RET	2_HV_CHTuneUp	2	0	0	2.53
HVAC13	COLCZ03	ROB	1_HV_PTUge24	1	1	0	3.27
HVAC13	COLCZ03	ROB	2_HV_PTUge24HE	2	1	0	3.27
HVAC13	GRCCZ03	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	GRCCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	HLTCZ03	ROB	1_HV_PTUge24	1	1	0	2.87



PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.87
HVAC13	LDGCZ03	ROB	1_HV_PTUge24	1	1	0	2.27
HVAC13	LDGCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.27
HVAC13	LGOCZ03	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	LGOCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	MSCCZ03	ROB	1_HV_PTUge24	1	1	0	3.04
HVAC13	MSCCZ03	ROB	2_HV_PTUge24HE	2	1	0	3.04
HVAC13	REFCZ03	ROB	1_HV_PTUge24	1	1	0	2.99
HVAC13	REFCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.99
HVAC13	RETCZ03	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	RETCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC13	RSTCZ03	ROB	1_HV_PTUge24	1	1	0.02	4.05
HVAC13	RSTCZ03	ROB	2_HV_PTUge24HE	2	1	0	4.05
HVAC13	SCHCZ03	ROB	1_HV_PTUge24	1	1	0	3.63
HVAC13	SCHCZ03	ROB	2_HV_PTUge24HE	2	1	0	3.63
HVAC13	SMOCZ03	ROB	1_HV_PTUge24	1	1	0	3.23
HVAC13	SMOCZ03	ROB	2_HV_PTUge24HE	2	1	0	3.23
HVAC13	WRHCZ03	ROB	1_HV_PTUge24	1	1	0	2.53
HVAC13	WRHCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.53
HVAC10	COLCZ03	ROB	1_HV_PTUit24	1	1	0	3.27
HVAC10	COLCZ03	ROB	2_HV_PTUit24HE	2	1	0	3.27
HVAC10	GRCCZ03	ROB	1_HV_PTUit24	1	1	0	2.32
HVAC10	GRCCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.32
HVAC10	HLTCZ03	ROB	1_HV_PTUit24	1	1	0.01	2.87
HVAC10	HLTCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.87
HVAC10	LDGCZ03	ROB	1_HV_PTUit24	1	1	0.15	2.27
HVAC10	LDGCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.27
HVAC10	LGOCZ03	ROB	1_HV_PTUit24	1	1	0	2.83
HVAC10	LGOCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.83
HVAC10	MSCCZ03	ROB	1_HV_PTUit24	1	1	0.01	3.04
HVAC10	MSCCZ03	ROB	2_HV_PTUit24HE	2	1	0	3.04
HVAC10	REFCZ03	ROB	1_HV_PTUit24	1	1	0	2.99
HVAC10	REFCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.99
HVAC10	RETCZ03	ROB	1_HV_PTUit24	1	1	0.02	2.8
HVAC10	RETCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.8

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ03	ROB	1_HV_PTUlt24	1	1	0	4.05
HVAC10	RSTCZ03	ROB	2_HV_PTUlt24HE	2	1	0	4.05
HVAC10	SCHCZ03	ROB	1_HV_PTUlt24	1	1	0	3.63
HVAC10	SCHCZ03	ROB	2_HV_PTUlt24HE	2	1	0	3.63
HVAC10	SMOCZ03	ROB	1_HV_PTUlt24	1	1	0	3.23
HVAC10	SMOCZ03	ROB	2_HV_PTUlt24HE	2	1	0	3.23
HVAC10	WRHCZ03	ROB	1_HV_PTUlt24	1	1	0	2.53
HVAC10	WRHCZ03	ROB	2_HV_PTUlt24HE	2	1	0	2.53
HVAC1	COLCZ03	ROB	1_HV_CentChBase	1	1	0.07	3.27
HVAC1	COLCZ03	ROB	2_HV_CentChHEff	2	1	0	3.27
HVAC1	GRCCZ03	ROB	1_HV_CentChBase	1	1	0	2.32
HVAC1	GRCCZ03	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	HLTCZ03	ROB	1_HV_CentChBase	1	1	0.28	2.87
HVAC1	HLTCZ03	ROB	2_HV_CentChHEff	2	1	0	2.87
HVAC1	LDGCZ03	ROB	1_HV_CentChBase	1	1	0.05	2.27
HVAC1	LDGCZ03	ROB	2_HV_CentChHEff	2	1	0	2.27
HVAC1	LGOCZ03	ROB	1_HV_CentChBase	1	1	0.34	2.83
HVAC1	LGOCZ03	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	MSCCZ03	ROB	1_HV_CentChBase	1	1	0.04	3.04
HVAC1	MSCCZ03	ROB	2_HV_CentChHEff	2	1	0	3.04
HVAC1	REFCZ03	ROB	1_HV_CentChBase	1	1	0	2.99
HVAC1	REFCZ03	ROB	2_HV_CentChHEff	2	1	0	2.99
HVAC1	RETCZ03	ROB	1_HV_CentChBase	1	1	0.05	2.8
HVAC1	RETCZ03	ROB	2_HV_CentChHEff	2	1	0	2.8
HVAC1	RSTCZ03	ROB	1_HV_CentChBase	1	1	0	4.05
HVAC1	RSTCZ03	ROB	2_HV_CentChHEff	2	1	0	4.05
HVAC1	SCHCZ03	ROB	1_HV_CentChBase	1	1	0	3.63
HVAC1	SCHCZ03	ROB	2_HV_CentChHEff	2	1	0	3.63
HVAC1	SMOCZ03	ROB	1_HV_CentChBase	1	1	0	3.23
HVAC1	SMOCZ03	ROB	2_HV_CentChHEff	2	1	0	3.23
HVAC1	WRHCZ03	ROB	1_HV_CentChBase	1	1	0	2.53
HVAC1	WRHCZ03	ROB	2_HV_CentChHEff	2	1	0	2.53

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ03	ROB	1_HV_PACge65	1	1	0.11	3.27
HVAC3	COLCZ03	ROB	2_HV_PACge6513	2	1	0	3.27
HVAC3	COLCZ03	ROB	3_HV_PACge6514	3	1	0	3.27
HVAC3	GRCCZ03	ROB	1_HV_PACge65	1	1	0.28	2.32
HVAC3	GRCCZ03	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	GRCCZ03	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	HLTCZ03	ROB	1_HV_PACge65	1	1	0.15	2.87
HVAC3	HLTCZ03	ROB	2_HV_PACge6513	2	1	0	2.87
HVAC3	HLTCZ03	ROB	3_HV_PACge6514	3	1	0	2.87
HVAC3	LDGCZ03	ROB	1_HV_PACge65	1	1	0.02	2.27
HVAC3	LDGCZ03	ROB	2_HV_PACge6513	2	1	0	2.27
HVAC3	LDGCZ03	ROB	3_HV_PACge6514	3	1	0	2.27
HVAC3	LGOCZ03	ROB	1_HV_PACge65	1	1	0.3	2.83
HVAC3	LGOCZ03	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	LGOCZ03	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	MSCCZ03	ROB	1_HV_PACge65	1	1	0.18	3.04
HVAC3	MSCCZ03	ROB	2_HV_PACge6513	2	1	0	3.04
HVAC3	MSCCZ03	ROB	3_HV_PACge6514	3	1	0	3.04
HVAC3	REFCZ03	ROB	1_HV_PACge65	1	1	0.08	2.99
HVAC3	REFCZ03	ROB	2_HV_PACge6513	2	1	0	2.99
HVAC3	REFCZ03	ROB	3_HV_PACge6514	3	1	0	2.99
HVAC3	RETCZ03	ROB	1_HV_PACge65	1	1	0.3	2.8
HVAC3	RETCZ03	ROB	2_HV_PACge6513	2	1	0	2.8
HVAC3	RETCZ03	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC3	RSTCZ03	ROB	1_HV_PACge65	1	1	0.2	4.05
HVAC3	RSTCZ03	ROB	2_HV_PACge6513	2	1	0	4.05
HVAC3	RSTCZ03	ROB	3_HV_PACge6514	3	1	0	4.05
HVAC3	SCHCZ03	ROB	1_HV_PACge65	1	1	0.15	3.63
HVAC3	SCHCZ03	ROB	2_HV_PACge6513	2	1	0	3.63
HVAC3	SCHCZ03	ROB	3_HV_PACge6514	3	1	0	3.63
HVAC3	SMOCZ03	ROB	1_HV_PACge65	1	1	0.32	3.23
HVAC3	SMOCZ03	ROB	2_HV_PACge6513	2	1	0	3.23
HVAC3	SMOCZ03	ROB	3_HV_PACge6514	3	1	0	3.23
HVAC3	WRHCZ03	ROB	1_HV_PACge65	1	1	0.08	2.53
HVAC3	WRHCZ03	ROB	2_HV_PACge6513	2	1	0	2.53

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ03	ROB	3_HV_PACge6514	3	1	0	2.53
HVAC29	COLCZ03	RET	2_HV_BPipeIns	1	0.56	0.06	0.04
HVAC29	GRCCZ03	RET	2_HV_BPipeIns	1	0	0	0
HVAC29	HLTCZ03	RET	2_HV_BPipeIns	1	0.61	0.07	0.05
HVAC29	LDGCZ03	RET	2_HV_BPipeIns	1	0.75	0.05	0.08
HVAC29	LGOCZ03	RET	2_HV_BPipeIns	1	0.76	0.06	0.03
HVAC29	MSCCZ03	RET	2_HV_BPipeIns	1	0.28	0.03	0.12
HVAC29	REFCZ03	RET	2_HV_BPipeIns	1	0.59	0	0.02
HVAC29	RETCZ03	RET	2_HV_BPipeIns	1	0.08	0	0.03
HVAC29	RSTCZ03	RET	2_HV_BPipeIns	1	0.12	0.01	0.36
HVAC29	SCHCZ03	RET	2_HV_BPipeIns	1	0.38	0.01	0.06
HVAC29	SMOCZ03	RET	2_HV_BPipeIns	1	0.05	0	0.21
HVAC29	WRHCZ03	RET	2_HV_BPipeIns	1	0.05	0	0.06
HVAC24	COLCZ03	RET	2_HV_ChilPmpVFD	1	0.32	0.01	0.12
HVAC24	GRCCZ03	RET	2_HV_ChilPmpVFD	1	0.04	0	0.04
HVAC24	HLTCZ03	RET	2_HV_ChilPmpVFD	1	0.44	0.15	0.27
HVAC24	LDGCZ03	RET	2_HV_ChilPmpVFD	1	0.28	0.06	0.07
HVAC24	LGOCZ03	RET	2_HV_ChilPmpVFD	1	0.66	0.14	0.22
HVAC24	MSCCZ03	RET	2_HV_ChilPmpVFD	1	0.07	0.03	0.25
HVAC24	REFCZ03	RET	2_HV_ChilPmpVFD	1	0.42	0	0.02
HVAC24	RETCZ03	RET	2_HV_ChilPmpVFD	1	0.09	0	0.17
HVAC24	RSTCZ03	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ03	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SMOCZ03	RET	2_HV_ChilPmpVFD	1	0.05	0	0.16
HVAC24	WRHCZ03	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ03	RET	2_HV_VAV	1	0.48	0.01	0.96
HVAC23	GRCCZ03	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ03	RET	2_HV_VAV	1	0.4	0.13	0.99
HVAC23	LDGCZ03	RET	2_HV_VAV	1	0.18	0.06	0.34
HVAC23	LGOCZ03	RET	2_HV_VAV	1	0.69	0.39	1.04
HVAC23	MSCCZ03	RET	2_HV_VAV	1	0.05	0.01	1.51
HVAC23	REFCZ03	RET	2_HV_VAV	1	0.11	0	0.04
HVAC23	RETCZ03	RET	2_HV_VAV	1	0.02	0.02	1.38
HVAC23	RSTCZ03	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ03	RET	2_HV_VAV	1	0	0	0

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ03	RET	2_HV_VAV	1	0.05	0	1.26
HVAC23	WRHCZ03	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ03	RET	2_HV_CoolRoof	1	0.78	0	241.06
HVAC22	GRCCZ03	RET	2_HV_CoolRoof	1	0.26	0	979.73
HVAC22	HLTCZ03	RET	2_HV_CoolRoof	1	0.37	0.01	417.87
HVAC22	LDGCZ03	RET	2_HV_CoolRoof	1	0.32	0	236.07
HVAC22	LGOCZ03	RET	2_HV_CoolRoof	1	0.3	0.01	434.35
HVAC22	MSCCZ03	RET	2_HV_CoolRoof	1	0.23	0	631.84
HVAC22	REFCZ03	RET	2_HV_CoolRoof	1	0.35	0	787.51
HVAC22	RETCZ03	RET	2_HV_CoolRoof	1	0.33	0.07	811.23
HVAC22	RSTCZ03	RET	2_HV_CoolRoof	1	0.13	0	985.43
HVAC22	SCHCZ03	RET	2_HV_CoolRoof	1	0.23	0	412.32
HVAC22	SMOCZ03	RET	2_HV_CoolRoof	1	0.69	0	706.33
HVAC22	WRHCZ03	RET	2_HV_CoolRoof	1	0.5	0.04	749.05
HVAC21SZG	COLCZ03	RET	2_HV_TCtIszG	1	0.11	0.05	0.15
HVAC21SZG	GRCCZ03	RET	2_HV_TCtIszG	1	0.12	0.11	0.25
HVAC21SZG	HLTCZ03	RET	2_HV_TCtIszG	1	0.28	0.17	1.12
HVAC21SZG	LDGCZ03	RET	2_HV_TCtIszG	1	0.08	0.05	1.27
HVAC21SZG	LGOCZ03	RET	2_HV_TCtIszG	1	0.07	0.06	0.39
HVAC21SZG	MSCCZ03	RET	2_HV_TCtIszG	1	0.16	0.05	0.49
HVAC21SZG	REFCZ03	RET	2_HV_TCtIszG	1	0.05	0.04	0.04
HVAC21SZG	RETCZ03	RET	2_HV_TCtIszG	1	0.15	0.1	0.27
HVAC21SZG	RSTCZ03	RET	2_HV_TCtIszG	1	0.19	0.08	0.79
HVAC21SZG	SCHCZ03	RET	2_HV_TCtIszG	1	0.34	0.11	0.65
HVAC21SZG	SMOCZ03	RET	2_HV_TCtIszG	1	0.28	0	0.38
HVAC21SZG	WRHCZ03	RET	2_HV_TCtIszG	1	0.05	0.04	0.42
HVAC21SZE	COLCZ03	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	GRCCZ03	RET	2_HV_TCtIszE	1	0.01	0	1.38
HVAC21SZE	HLTCZ03	RET	2_HV_TCtIszE	1	0.07	0.06	0.59
HVAC21SZE	LDGCZ03	RET	2_HV_TCtIszE	1	0.22	0	2.15
HVAC21SZE	LGOCZ03	RET	2_HV_TCtIszE	1	0.03	0.03	0.32
HVAC21SZE	MSCCZ03	RET	2_HV_TCtIszE	1	0.02	0.01	1.22
HVAC21SZE	REFCZ03	RET	2_HV_TCtIszE	1	0.01	0	3.58
HVAC21SZE	RETCZ03	RET	2_HV_TCtIszE	1	0.11	0.02	0.69
HVAC21SZE	RSTCZ03	RET	2_HV_TCtIszE	1	0.03	0	1.11

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ03	RET	2_HV_TCtIszE	1	0.03	0.02	1.21
HVAC21SZE	SMOCZ03	RET	2_HV_TCtIszE	1	0.07	0.07	0.7
HVAC21SZE	WRHCZ03	RET	2_HV_TCtIszE	1	0	0	1.69
HVAC20E	COLCZ03	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ03	RET	2_HV_RfISngPane	1	0.02	0	202.2
HVAC20E	HLTCZ03	RET	2_HV_RfISngPane	1	0.03	0.01	464.06
HVAC20E	LDGCZ03	RET	2_HV_RfISngPane	1	0.08	0	58.85
HVAC20E	LGOCZ03	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	MSCCZ03	RET	2_HV_RfISngPane	1	0.01	0	36.04
HVAC20E	REFCZ03	RET	2_HV_RfISngPane	1	0.15	0	10.73
HVAC20E	RETCZ03	RET	2_HV_RfISngPane	1	0.06	0	45.3
HVAC20E	RSTCZ03	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SCHCZ03	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SMOCZ03	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	WRHCZ03	RET	2_HV_RfISngPane	1	0	0	9.37
HVAC2	COLCZ03	ROB	1_HV_PACIt65	1	1	0.54	3.27
HVAC2	COLCZ03	ROB	2_HV_PACIt6513	2	1	0	3.27
HVAC2	COLCZ03	ROB	3_HV_PACIt6514	3	1	0	3.27
HVAC2	GRCCZ03	ROB	1_HV_PACIt65	1	1	0.16	2.32
HVAC2	GRCCZ03	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	GRCCZ03	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	HLTCZ03	ROB	1_HV_PACIt65	1	1	0.27	2.87
HVAC2	HLTCZ03	ROB	2_HV_PACIt6513	2	1	0	2.87
HVAC2	HLTCZ03	ROB	3_HV_PACIt6514	3	1	0	2.87
HVAC2	LDGCZ03	ROB	1_HV_PACIt65	1	1	0.4	2.27
HVAC2	LDGCZ03	ROB	2_HV_PACIt6513	2	1	0	2.27
HVAC2	LDGCZ03	ROB	3_HV_PACIt6514	3	1	0	2.27
HVAC2	LGOCZ03	ROB	1_HV_PACIt65	1	1	0.07	2.83
HVAC2	LGOCZ03	ROB	2_HV_PACIt6513	2	1	0	2.83
HVAC2	LGOCZ03	ROB	3_HV_PACIt6514	3	1	0	2.83
HVAC2	MSCCZ03	ROB	1_HV_PACIt65	1	1	0.12	3.04
HVAC2	MSCCZ03	ROB	2_HV_PACIt6513	2	1	0	3.04
HVAC2	MSCCZ03	ROB	3_HV_PACIt6514	3	1	0	3.04
HVAC2	REFCZ03	ROB	1_HV_PACIt65	1	1	0.03	2.99
HVAC2	REFCZ03	ROB	2_HV_PACIt6513	2	1	0	2.99

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ03	ROB	3_HV_PACIt6514	3	1	0	2.99
HVAC2	RETCZ03	ROB	1_HV_PACIt65	1	1	0.2	2.8
HVAC2	RETCZ03	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	RETCZ03	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC2	RSTCZ03	ROB	1_HV_PACIt65	1	1	0.17	4.05
HVAC2	RSTCZ03	ROB	2_HV_PACIt6513	2	1	0	4.05
HVAC2	RSTCZ03	ROB	3_HV_PACIt6514	3	1	0	4.05
HVAC2	SCHCZ03	ROB	1_HV_PACIt65	1	1	0.32	3.63
HVAC2	SCHCZ03	ROB	2_HV_PACIt6513	2	1	0	3.63
HVAC2	SCHCZ03	ROB	3_HV_PACIt6514	3	1	0	3.63
HVAC2	SMOCZ03	ROB	1_HV_PACIt65	1	1	0.6	3.23
HVAC2	SMOCZ03	ROB	2_HV_PACIt6513	2	1	0	3.23
HVAC2	SMOCZ03	ROB	3_HV_PACIt6514	3	1	0	3.23
HVAC2	WRHCZ03	ROB	1_HV_PACIt65	1	1	0.08	2.53
HVAC2	WRHCZ03	ROB	2_HV_PACIt6513	2	1	0	2.53
HVAC2	WRHCZ03	ROB	3_HV_PACIt6514	3	1	0	2.53
HVAC1A	COLCZ03	ROB	1_HV_RecChBase	1	1	0.06	3.27
HVAC1A	COLCZ03	ROB	2_HV_RecChHEff	2	1	0.01	3.27
HVAC1A	GRCCZ03	ROB	1_HV_RecChBase	1	1	0.06	2.32
HVAC1A	GRCCZ03	ROB	2_HV_RecChHEff	2	1	0	2.32
HVAC1A	HLTCZ03	ROB	1_HV_RecChBase	1	1	0.05	2.87
HVAC1A	HLTCZ03	ROB	2_HV_RecChHEff	2	1	0.07	2.87
HVAC1A	LDGCZ03	ROB	1_HV_RecChBase	1	1	0.04	2.27
HVAC1A	LDGCZ03	ROB	2_HV_RecChHEff	2	1	0.01	2.27
HVAC1A	LGOCZ03	ROB	1_HV_RecChBase	1	1	0.1	2.83
HVAC1A	LGOCZ03	ROB	2_HV_RecChHEff	2	1	0.08	2.83
HVAC1A	MSCCZ03	ROB	1_HV_RecChBase	1	1	0.01	3.04
HVAC1A	MSCCZ03	ROB	2_HV_RecChHEff	2	1	0	3.04
HVAC1A	REFCZ03	ROB	1_HV_RecChBase	1	1	0.01	2.99
HVAC1A	REFCZ03	ROB	2_HV_RecChHEff	2	1	0	2.99
HVAC1A	RETCZ03	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	RETCZ03	ROB	2_HV_RecChHEff	2	1	0.01	2.8
HVAC1A	RSTCZ03	ROB	1_HV_RecChBase	1	1	0	4.05
HVAC1A	RSTCZ03	ROB	2_HV_RecChHEff	2	1	0	4.05
HVAC1A	SCHCZ03	ROB	1_HV_RecChBase	1	1	0	3.63

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ03	ROB	2_HV_RecChHEff	2	1	0	3.63
HVAC1A	SMOCZ03	ROB	1_HV_RecChBase	1	1	0.03	3.23
HVAC1A	SMOCZ03	ROB	2_HV_RecChHEff	2	1	0	3.23
HVAC1A	WRHCZ03	ROB	1_HV_RecChBase	1	1	0	2.53
HVAC1A	WRHCZ03	ROB	2_HV_RecChHEff	2	1	0	2.53
HVAC19	COLCZ03	RET	2_HV_SpHtBITune	1	0.3	0	0.02
HVAC19	GRCCZ03	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ03	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	LDGCZ03	RET	2_HV_SpHtBITune	1	0.37	0	0.01
HVAC19	LGOCZ03	RET	2_HV_SpHtBITune	1	0.55	0	0.01
HVAC19	MSCCZ03	RET	2_HV_SpHtBITune	1	0.11	0	0.05
HVAC19	REFCZ03	RET	2_HV_SpHtBITune	1	0.17	0	0
HVAC19	RETCZ03	RET	2_HV_SpHtBITune	1	0.06	0	0.01
HVAC19	RSTCZ03	RET	2_HV_SpHtBITune	1	0.06	0	0.28
HVAC19	SCHCZ03	RET	2_HV_SpHtBITune	1	0.04	0	0.07
HVAC19	SMOCZ03	RET	2_HV_SpHtBITune	1	0.05	0	0.1
HVAC19	WRHCZ03	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ03	ROB	1_HV_SpHtBIBase	1	1	0.21	50.63
HVAC18	COLCZ03	ROB	2_HV_SpHtBIHEff	2	1	0.18	50.63
HVAC18	GRCCZ03	ROB	1_HV_SpHtBIBase	1	1	0	36.23
HVAC18	GRCCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	36.23
HVAC18	HLTCZ03	ROB	1_HV_SpHtBIBase	1	1	0.48	55.54
HVAC18	HLTCZ03	ROB	2_HV_SpHtBIHEff	2	1	0.03	55.54
HVAC18	LDGCZ03	ROB	1_HV_SpHtBIBase	1	1	0.11	47.44
HVAC18	LDGCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	47.44
HVAC18	LGOCZ03	ROB	1_HV_SpHtBIBase	1	1	0.58	35.92
HVAC18	LGOCZ03	ROB	2_HV_SpHtBIHEff	2	1	0.05	35.92
HVAC18	MSCCZ03	ROB	1_HV_SpHtBIBase	1	1	0.1	54.67
HVAC18	MSCCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	54.67
HVAC18	REFCZ03	ROB	1_HV_SpHtBIBase	1	1	0.02	38.42
HVAC18	REFCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	38.42
HVAC18	RETCZ03	ROB	1_HV_SpHtBIBase	1	1	0.03	40.77
HVAC18	RETCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	40.77
HVAC18	RSTCZ03	ROB	1_HV_SpHtBIBase	1	1	0.04	56.57
HVAC18	RSTCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	56.57



PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ03	ROB	1_HV_SpHtBIBase	1	1	0.14	75.55
HVAC18	SCHCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	75.55
HVAC18	SMOCZ03	ROB	1_HV_SpHtBIBase	1	1	0.04	71.33
HVAC18	SMOCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	71.33
HVAC18	WRHCZ03	ROB	1_HV_SpHtBIBase	1	1	0	28.62
HVAC18	WRHCZ03	ROB	2_HV_SpHtBIHEff	2	1	0	28.62
HVAC15	COLCZ03	RET	2_HV_DXTuneUp	2	0.49	0.12	3.27
HVAC15	GRCCZ03	RET	2_HV_DXTuneUp	2	0.56	0.14	2.32
HVAC15	HLTCZ03	RET	2_HV_DXTuneUp	2	0.43	0.11	2.87
HVAC15	LDGCZ03	RET	2_HV_DXTuneUp	2	0.45	0.11	2.27
HVAC15	LGOCZ03	RET	2_HV_DXTuneUp	2	0.29	0.07	2.83
HVAC15	MSCCZ03	RET	2_HV_DXTuneUp	2	0.35	0.09	3.04
HVAC15	REFCZ03	RET	2_HV_DXTuneUp	2	0.1	0.03	2.99
HVAC15	RETCZ03	RET	2_HV_DXTuneUp	2	0.51	0.13	2.8
HVAC15	RSTCZ03	RET	2_HV_DXTuneUp	2	0.41	0.1	4.05
HVAC15	SCHCZ03	RET	2_HV_DXTuneUp	2	0.47	0.12	3.63
HVAC15	SMOCZ03	RET	2_HV_DXTuneUp	2	0.91	0.23	3.23
HVAC15	WRHCZ03	RET	2_HV_DXTuneUp	2	0.16	0.04	2.53
HVAC14	COLCZ03	RET	2_HV_CHTuneUp	2	0.3	0.07	3.27
HVAC14	GRCCZ03	RET	2_HV_CHTuneUp	2	0.03	0.01	2.32
HVAC14	HLTCZ03	RET	2_HV_CHTuneUp	2	0.36	0.09	2.87
HVAC14	LDGCZ03	RET	2_HV_CHTuneUp	2	0.14	0.04	2.27
HVAC14	LGOCZ03	RET	2_HV_CHTuneUp	2	0.58	0.14	2.83
HVAC14	MSCCZ03	RET	2_HV_CHTuneUp	2	0.02	0	3.04
HVAC14	REFCZ03	RET	2_HV_CHTuneUp	2	0.01	0	2.99
HVAC14	RETCZ03	RET	2_HV_CHTuneUp	2	0.06	0.02	2.8
HVAC14	RSTCZ03	RET	2_HV_CHTuneUp	2	0	0	4.05
HVAC14	SCHCZ03	RET	2_HV_CHTuneUp	2	0	0	3.63
HVAC14	SMOCZ03	RET	2_HV_CHTuneUp	2	0.04	0.01	3.23
HVAC14	WRHCZ03	RET	2_HV_CHTuneUp	2	0	0	2.53
HVAC13	COLCZ03	ROB	1_HV_PTUge24	1	1	0	3.27
HVAC13	COLCZ03	ROB	2_HV_PTUge24HE	2	1	0	3.27
HVAC13	GRCCZ03	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	GRCCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	HLTCZ03	ROB	1_HV_PTUge24	1	1	0	2.87

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.87
HVAC13	LDGCZ03	ROB	1_HV_PTUge24	1	1	0	2.27
HVAC13	LDGCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.27
HVAC13	LGOCZ03	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	LGOCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	MSCCZ03	ROB	1_HV_PTUge24	1	1	0	3.04
HVAC13	MSCCZ03	ROB	2_HV_PTUge24HE	2	1	0	3.04
HVAC13	REFCZ03	ROB	1_HV_PTUge24	1	1	0	2.99
HVAC13	REFCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.99
HVAC13	RETCZ03	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	RETCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC13	RSTCZ03	ROB	1_HV_PTUge24	1	1	0.02	4.05
HVAC13	RSTCZ03	ROB	2_HV_PTUge24HE	2	1	0	4.05
HVAC13	SCHCZ03	ROB	1_HV_PTUge24	1	1	0	3.63
HVAC13	SCHCZ03	ROB	2_HV_PTUge24HE	2	1	0	3.63
HVAC13	SMOCZ03	ROB	1_HV_PTUge24	1	1	0	3.23
HVAC13	SMOCZ03	ROB	2_HV_PTUge24HE	2	1	0	3.23
HVAC13	WRHCZ03	ROB	1_HV_PTUge24	1	1	0	2.53
HVAC13	WRHCZ03	ROB	2_HV_PTUge24HE	2	1	0	2.53
HVAC10	COLCZ03	ROB	1_HV_PTUit24	1	1	0	3.27
HVAC10	COLCZ03	ROB	2_HV_PTUit24HE	2	1	0	3.27
HVAC10	GRCCZ03	ROB	1_HV_PTUit24	1	1	0	2.32
HVAC10	GRCCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.32
HVAC10	HLTCZ03	ROB	1_HV_PTUit24	1	1	0.01	2.87
HVAC10	HLTCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.87
HVAC10	LDGCZ03	ROB	1_HV_PTUit24	1	1	0.15	2.27
HVAC10	LDGCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.27
HVAC10	LGOCZ03	ROB	1_HV_PTUit24	1	1	0	2.83
HVAC10	LGOCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.83
HVAC10	MSCCZ03	ROB	1_HV_PTUit24	1	1	0.01	3.04
HVAC10	MSCCZ03	ROB	2_HV_PTUit24HE	2	1	0	3.04
HVAC10	REFCZ03	ROB	1_HV_PTUit24	1	1	0	2.99
HVAC10	REFCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.99
HVAC10	RETCZ03	ROB	1_HV_PTUit24	1	1	0.02	2.8
HVAC10	RETCZ03	ROB	2_HV_PTUit24HE	2	1	0	2.8

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ03	ROB	1_HV_PTUlt24	1	1	0	4.05
HVAC10	RSTCZ03	ROB	2_HV_PTUlt24HE	2	1	0	4.05
HVAC10	SCHCZ03	ROB	1_HV_PTUlt24	1	1	0	3.63
HVAC10	SCHCZ03	ROB	2_HV_PTUlt24HE	2	1	0	3.63
HVAC10	SMOCZ03	ROB	1_HV_PTUlt24	1	1	0	3.23
HVAC10	SMOCZ03	ROB	2_HV_PTUlt24HE	2	1	0	3.23
HVAC10	WRHCZ03	ROB	1_HV_PTUlt24	1	1	0	2.53
HVAC10	WRHCZ03	ROB	2_HV_PTUlt24HE	2	1	0	2.53
HVAC1	COLCZ03	ROB	1_HV_CentChBase	1	1	0.07	3.27
HVAC1	COLCZ03	ROB	2_HV_CentChHEff	2	1	0	3.27
HVAC1	GRCCZ03	ROB	1_HV_CentChBase	1	1	0	2.32
HVAC1	GRCCZ03	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	HLTCZ03	ROB	1_HV_CentChBase	1	1	0.28	2.87
HVAC1	HLTCZ03	ROB	2_HV_CentChHEff	2	1	0	2.87
HVAC1	LDGCZ03	ROB	1_HV_CentChBase	1	1	0.05	2.27
HVAC1	LDGCZ03	ROB	2_HV_CentChHEff	2	1	0	2.27
HVAC1	LGOCZ03	ROB	1_HV_CentChBase	1	1	0.34	2.83
HVAC1	LGOCZ03	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	MSCCZ03	ROB	1_HV_CentChBase	1	1	0.04	3.04
HVAC1	MSCCZ03	ROB	2_HV_CentChHEff	2	1	0	3.04
HVAC1	REFCZ03	ROB	1_HV_CentChBase	1	1	0	2.99
HVAC1	REFCZ03	ROB	2_HV_CentChHEff	2	1	0	2.99
HVAC1	RETCZ03	ROB	1_HV_CentChBase	1	1	0.05	2.8
HVAC1	RETCZ03	ROB	2_HV_CentChHEff	2	1	0	2.8
HVAC1	RSTCZ03	ROB	1_HV_CentChBase	1	1	0	4.05
HVAC1	RSTCZ03	ROB	2_HV_CentChHEff	2	1	0	4.05
HVAC1	SCHCZ03	ROB	1_HV_CentChBase	1	1	0	3.63
HVAC1	SCHCZ03	ROB	2_HV_CentChHEff	2	1	0	3.63
HVAC1	SMOCZ03	ROB	1_HV_CentChBase	1	1	0	3.23
HVAC1	SMOCZ03	ROB	2_HV_CentChHEff	2	1	0	3.23
HVAC1	WRHCZ03	ROB	1_HV_CentChBase	1	1	0	2.53
HVAC1	WRHCZ03	ROB	2_HV_CentChHEff	2	1	0	2.53

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ04	ROB	1_HV_PACge65	1	1	0.11	3.27
HVAC3	COLCZ04	ROB	2_HV_PACge6513	2	1	0	3.27
HVAC3	COLCZ04	ROB	3_HV_PACge6514	3	1	0	3.27
HVAC3	GRCCZ04	ROB	1_HV_PACge65	1	1	0.28	2.32
HVAC3	GRCCZ04	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	GRCCZ04	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	HLTCZ04	ROB	1_HV_PACge65	1	1	0.15	2.87
HVAC3	HLTCZ04	ROB	2_HV_PACge6513	2	1	0	2.87
HVAC3	HLTCZ04	ROB	3_HV_PACge6514	3	1	0	2.87
HVAC3	LDGCZ04	ROB	1_HV_PACge65	1	1	0.02	2.27
HVAC3	LDGCZ04	ROB	2_HV_PACge6513	2	1	0	2.27
HVAC3	LDGCZ04	ROB	3_HV_PACge6514	3	1	0	2.27
HVAC3	LGOZ04	ROB	1_HV_PACge65	1	1	0.3	2.83
HVAC3	LGOZ04	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	LGOZ04	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	MSCCZ04	ROB	1_HV_PACge65	1	1	0.18	3.04
HVAC3	MSCCZ04	ROB	2_HV_PACge6513	2	1	0	3.04
HVAC3	MSCCZ04	ROB	3_HV_PACge6514	3	1	0	3.04
HVAC3	REFCZ04	ROB	1_HV_PACge65	1	1	0.08	2.99
HVAC3	REFCZ04	ROB	2_HV_PACge6513	2	1	0	2.99
HVAC3	REFCZ04	ROB	3_HV_PACge6514	3	1	0	2.99
HVAC3	RETCZ04	ROB	1_HV_PACge65	1	1	0.3	2.8
HVAC3	RETCZ04	ROB	2_HV_PACge6513	2	1	0	2.8
HVAC3	RETCZ04	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC3	RSTCZ04	ROB	1_HV_PACge65	1	1	0.2	4.05
HVAC3	RSTCZ04	ROB	2_HV_PACge6513	2	1	0	4.05
HVAC3	RSTCZ04	ROB	3_HV_PACge6514	3	1	0	4.05
HVAC3	SCHCZ04	ROB	1_HV_PACge65	1	1	0.15	3.63
HVAC3	SCHCZ04	ROB	2_HV_PACge6513	2	1	0	3.63
HVAC3	SCHCZ04	ROB	3_HV_PACge6514	3	1	0	3.63
HVAC3	SMOCZ04	ROB	1_HV_PACge65	1	1	0.32	3.23
HVAC3	SMOCZ04	ROB	2_HV_PACge6513	2	1	0	3.23
HVAC3	SMOCZ04	ROB	3_HV_PACge6514	3	1	0	3.23
HVAC3	WRHCZ04	ROB	1_HV_PACge65	1	1	0.08	2.53
HVAC3	WRHCZ04	ROB	2_HV_PACge6513	2	1	0	2.53

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ04	ROB	3_HV_PACge6514	3	1	0	2.53
HVAC29	COLCZ04	RET	2_HV_BPipelns	1	0.56	0.06	0.04
HVAC29	GRCCZ04	RET	2_HV_BPipelns	1	0	0	0
HVAC29	HLTCZ04	RET	2_HV_BPipelns	1	0.61	0.07	0.05
HVAC29	LDGCZ04	RET	2_HV_BPipelns	1	0.75	0.05	0.08
HVAC29	LGOCZ04	RET	2_HV_BPipelns	1	0.76	0.06	0.03
HVAC29	MSCCZ04	RET	2_HV_BPipelns	1	0.28	0.03	0.12
HVAC29	REFCZ04	RET	2_HV_BPipelns	1	0.59	0	0.02
HVAC29	RETCZ04	RET	2_HV_BPipelns	1	0.08	0	0.03
HVAC29	RSTCZ04	RET	2_HV_BPipelns	1	0.12	0.01	0.36
HVAC29	SCHCZ04	RET	2_HV_BPipelns	1	0.38	0.01	0.06
HVAC29	SMOCZ04	RET	2_HV_BPipelns	1	0.05	0	0.21
HVAC29	WRHCZ04	RET	2_HV_BPipelns	1	0.05	0	0.06
HVAC24	COLCZ04	RET	2_HV_ChilPmpVFD	1	0.32	0.01	0.12
HVAC24	GRCCZ04	RET	2_HV_ChilPmpVFD	1	0.04	0	0.04
HVAC24	HLTCZ04	RET	2_HV_ChilPmpVFD	1	0.44	0.15	0.27
HVAC24	LDGCZ04	RET	2_HV_ChilPmpVFD	1	0.28	0.06	0.07
HVAC24	LGOCZ04	RET	2_HV_ChilPmpVFD	1	0.66	0.14	0.22
HVAC24	MSCCZ04	RET	2_HV_ChilPmpVFD	1	0.07	0.03	0.25
HVAC24	REFCZ04	RET	2_HV_ChilPmpVFD	1	0.42	0	0.02
HVAC24	RETCZ04	RET	2_HV_ChilPmpVFD	1	0.09	0	0.17
HVAC24	RSTCZ04	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ04	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SMOCZ04	RET	2_HV_ChilPmpVFD	1	0.05	0	0.16
HVAC24	WRHCZ04	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ04	RET	2_HV_VAV	1	0.48	0.01	0.96
HVAC23	GRCCZ04	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ04	RET	2_HV_VAV	1	0.4	0.13	0.99
HVAC23	LDGCZ04	RET	2_HV_VAV	1	0.18	0.06	0.34
HVAC23	LGOCZ04	RET	2_HV_VAV	1	0.69	0.39	1.04
HVAC23	MSCCZ04	RET	2_HV_VAV	1	0.05	0.01	1.51
HVAC23	REFCZ04	RET	2_HV_VAV	1	0.11	0	0.04
HVAC23	RETCZ04	RET	2_HV_VAV	1	0.02	0.02	1.38
HVAC23	RSTCZ04	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ04	RET	2_HV_VAV	1	0	0	0

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ04	RET	2_HV_VAV	1	0.05	0	1.26
HVAC23	WRHCZ04	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ04	RET	2_HV_CoolRoof	1	0.78	0	241.06
HVAC22	GRCCZ04	RET	2_HV_CoolRoof	1	0.26	0	979.73
HVAC22	HLTCZ04	RET	2_HV_CoolRoof	1	0.37	0.01	417.87
HVAC22	LDGCZ04	RET	2_HV_CoolRoof	1	0.32	0	236.07
HVAC22	LGOCZ04	RET	2_HV_CoolRoof	1	0.3	0.01	434.35
HVAC22	MSCCZ04	RET	2_HV_CoolRoof	1	0.23	0	631.84
HVAC22	REFCZ04	RET	2_HV_CoolRoof	1	0.35	0	787.51
HVAC22	RETCZ04	RET	2_HV_CoolRoof	1	0.33	0.07	811.23
HVAC22	RSTCZ04	RET	2_HV_CoolRoof	1	0.13	0	985.43
HVAC22	SCHCZ04	RET	2_HV_CoolRoof	1	0.23	0	412.32
HVAC22	SMOCZ04	RET	2_HV_CoolRoof	1	0.69	0	706.33
HVAC22	WRHCZ04	RET	2_HV_CoolRoof	1	0.5	0.04	749.05
HVAC21SZG	COLCZ04	RET	2_HV_TCtlzG	1	0.11	0.05	0.15
HVAC21SZG	GRCCZ04	RET	2_HV_TCtlzG	1	0.12	0.11	0.25
HVAC21SZG	HLTCZ04	RET	2_HV_TCtlzG	1	0.28	0.17	1.12
HVAC21SZG	LDGCZ04	RET	2_HV_TCtlzG	1	0.08	0.05	1.27
HVAC21SZG	LGOCZ04	RET	2_HV_TCtlzG	1	0.07	0.06	0.39
HVAC21SZG	MSCCZ04	RET	2_HV_TCtlzG	1	0.16	0.05	0.49
HVAC21SZG	REFCZ04	RET	2_HV_TCtlzG	1	0.05	0.04	0.04
HVAC21SZG	RETCZ04	RET	2_HV_TCtlzG	1	0.15	0.1	0.27
HVAC21SZG	RSTCZ04	RET	2_HV_TCtlzG	1	0.19	0.08	0.79
HVAC21SZG	SCHCZ04	RET	2_HV_TCtlzG	1	0.34	0.11	0.65
HVAC21SZG	SMOCZ04	RET	2_HV_TCtlzG	1	0.28	0	0.38
HVAC21SZG	WRHCZ04	RET	2_HV_TCtlzG	1	0.05	0.04	0.42
HVAC21SZE	COLCZ04	RET	2_HV_TCtlzE	1	0	0	0
HVAC21SZE	GRCCZ04	RET	2_HV_TCtlzE	1	0.01	0	1.38
HVAC21SZE	HLTCZ04	RET	2_HV_TCtlzE	1	0.07	0.06	0.59
HVAC21SZE	LDGCZ04	RET	2_HV_TCtlzE	1	0.22	0	2.15
HVAC21SZE	LGOCZ04	RET	2_HV_TCtlzE	1	0.03	0.03	0.32
HVAC21SZE	MSCCZ04	RET	2_HV_TCtlzE	1	0.02	0.01	1.22
HVAC21SZE	REFCZ04	RET	2_HV_TCtlzE	1	0.01	0	3.58
HVAC21SZE	RETCZ04	RET	2_HV_TCtlzE	1	0.11	0.02	0.69
HVAC21SZE	RSTCZ04	RET	2_HV_TCtlzE	1	0.03	0	1.11

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ04	RET	2_HV_TCtliszE	1	0.03	0.02	1.21
HVAC21SZE	SMOCZ04	RET	2_HV_TCtliszE	1	0.07	0.07	0.7
HVAC21SZE	WRHCZ04	RET	2_HV_TCtliszE	1	0	0	1.69
HVAC20E	COLCZ04	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	GRCCZ04	RET	2_HV_RflSngPane	1	0.02	0	202.2
HVAC20E	HLTCZ04	RET	2_HV_RflSngPane	1	0.03	0.01	464.06
HVAC20E	LDGCZ04	RET	2_HV_RflSngPane	1	0.08	0	58.85
HVAC20E	LGOCZ04	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	MSCCZ04	RET	2_HV_RflSngPane	1	0.01	0	36.04
HVAC20E	REFCZ04	RET	2_HV_RflSngPane	1	0.15	0	10.73
HVAC20E	RETCZ04	RET	2_HV_RflSngPane	1	0.06	0	45.3
HVAC20E	RSTCZ04	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	SCHCZ04	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	SMOCZ04	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	WRHCZ04	RET	2_HV_RflSngPane	1	0	0	9.37
HVAC2	COLCZ04	ROB	1_HV_PAClt65	1	1	0.54	3.27
HVAC2	COLCZ04	ROB	2_HV_PAClt6513	2	1	0	3.27
HVAC2	COLCZ04	ROB	3_HV_PAClt6514	3	1	0	3.27
HVAC2	GRCCZ04	ROB	1_HV_PAClt65	1	1	0.16	2.32
HVAC2	GRCCZ04	ROB	2_HV_PAClt6513	2	1	0	2.32
HVAC2	GRCCZ04	ROB	3_HV_PAClt6514	3	1	0	2.32
HVAC2	HLTCZ04	ROB	1_HV_PAClt65	1	1	0.27	2.87
HVAC2	HLTCZ04	ROB	2_HV_PAClt6513	2	1	0	2.87
HVAC2	HLTCZ04	ROB	3_HV_PAClt6514	3	1	0	2.87
HVAC2	LDGCZ04	ROB	1_HV_PAClt65	1	1	0.4	2.27
HVAC2	LDGCZ04	ROB	2_HV_PAClt6513	2	1	0	2.27
HVAC2	LDGCZ04	ROB	3_HV_PAClt6514	3	1	0	2.27
HVAC2	LGOCZ04	ROB	1_HV_PAClt65	1	1	0.07	2.83
HVAC2	LGOCZ04	ROB	2_HV_PAClt6513	2	1	0	2.83
HVAC2	LGOCZ04	ROB	3_HV_PAClt6514	3	1	0	2.83
HVAC2	MSCCZ04	ROB	1_HV_PAClt65	1	1	0.12	3.04
HVAC2	MSCCZ04	ROB	2_HV_PAClt6513	2	1	0	3.04
HVAC2	MSCCZ04	ROB	3_HV_PAClt6514	3	1	0	3.04
HVAC2	REFCZ04	ROB	1_HV_PAClt65	1	1	0.03	2.99
HVAC2	REFCZ04	ROB	2_HV_PAClt6513	2	1	0	2.99

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ04	ROB	3_HV_PACIt6514	3	1	0	2.99
HVAC2	RETCZ04	ROB	1_HV_PACIt65	1	1	0.2	2.8
HVAC2	RETCZ04	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	RETCZ04	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC2	RSTCZ04	ROB	1_HV_PACIt65	1	1	0.17	4.05
HVAC2	RSTCZ04	ROB	2_HV_PACIt6513	2	1	0	4.05
HVAC2	RSTCZ04	ROB	3_HV_PACIt6514	3	1	0	4.05
HVAC2	SCHCZ04	ROB	1_HV_PACIt65	1	1	0.32	3.63
HVAC2	SCHCZ04	ROB	2_HV_PACIt6513	2	1	0	3.63
HVAC2	SCHCZ04	ROB	3_HV_PACIt6514	3	1	0	3.63
HVAC2	SMOCZ04	ROB	1_HV_PACIt65	1	1	0.6	3.23
HVAC2	SMOCZ04	ROB	2_HV_PACIt6513	2	1	0	3.23
HVAC2	SMOCZ04	ROB	3_HV_PACIt6514	3	1	0	3.23
HVAC2	WRHCZ04	ROB	1_HV_PACIt65	1	1	0.08	2.53
HVAC2	WRHCZ04	ROB	2_HV_PACIt6513	2	1	0	2.53
HVAC2	WRHCZ04	ROB	3_HV_PACIt6514	3	1	0	2.53
HVAC1A	COLCZ04	ROB	1_HV_RecChBase	1	1	0.06	3.27
HVAC1A	COLCZ04	ROB	2_HV_RecChHEff	2	1	0.01	3.27
HVAC1A	GRCCZ04	ROB	1_HV_RecChBase	1	1	0.06	2.32
HVAC1A	GRCCZ04	ROB	2_HV_RecChHEff	2	1	0	2.32
HVAC1A	HLTCZ04	ROB	1_HV_RecChBase	1	1	0.05	2.87
HVAC1A	HLTCZ04	ROB	2_HV_RecChHEff	2	1	0.07	2.87
HVAC1A	LDGCZ04	ROB	1_HV_RecChBase	1	1	0.04	2.27
HVAC1A	LDGCZ04	ROB	2_HV_RecChHEff	2	1	0.01	2.27
HVAC1A	LGOCZ04	ROB	1_HV_RecChBase	1	1	0.1	2.83
HVAC1A	LGOCZ04	ROB	2_HV_RecChHEff	2	1	0.08	2.83
HVAC1A	MSCCZ04	ROB	1_HV_RecChBase	1	1	0.01	3.04
HVAC1A	MSCCZ04	ROB	2_HV_RecChHEff	2	1	0	3.04
HVAC1A	REFCZ04	ROB	1_HV_RecChBase	1	1	0.01	2.99
HVAC1A	REFCZ04	ROB	2_HV_RecChHEff	2	1	0	2.99
HVAC1A	RETCZ04	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	RETCZ04	ROB	2_HV_RecChHEff	2	1	0.01	2.8
HVAC1A	RSTCZ04	ROB	1_HV_RecChBase	1	1	0	4.05
HVAC1A	RSTCZ04	ROB	2_HV_RecChHEff	2	1	0	4.05
HVAC1A	SCHCZ04	ROB	1_HV_RecChBase	1	1	0	3.63



PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ04	ROB	2_HV_RecChHEff	2	1	0	3.63
HVAC1A	SMOCZ04	ROB	1_HV_RecChBase	1	1	0.03	3.23
HVAC1A	SMOCZ04	ROB	2_HV_RecChHEff	2	1	0	3.23
HVAC1A	WRHCZ04	ROB	1_HV_RecChBase	1	1	0	2.53
HVAC1A	WRHCZ04	ROB	2_HV_RecChHEff	2	1	0	2.53
HVAC19	COLCZ04	RET	2_HV_SpHtBITune	1	0.3	0	0.02
HVAC19	GRCCZ04	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ04	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	LDGCZ04	RET	2_HV_SpHtBITune	1	0.37	0	0.01
HVAC19	LGOCZ04	RET	2_HV_SpHtBITune	1	0.55	0	0.01
HVAC19	MSCCZ04	RET	2_HV_SpHtBITune	1	0.11	0	0.05
HVAC19	REFCZ04	RET	2_HV_SpHtBITune	1	0.17	0	0
HVAC19	RETCZ04	RET	2_HV_SpHtBITune	1	0.06	0	0.01
HVAC19	RSTCZ04	RET	2_HV_SpHtBITune	1	0.06	0	0.28
HVAC19	SCHCZ04	RET	2_HV_SpHtBITune	1	0.04	0	0.07
HVAC19	SMOCZ04	RET	2_HV_SpHtBITune	1	0.05	0	0.1
HVAC19	WRHCZ04	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ04	ROB	1_HV_SpHtBIBase	1	1	0.21	50.63
HVAC18	COLCZ04	ROB	2_HV_SpHtBIHEff	2	1	0.18	50.63
HVAC18	GRCCZ04	ROB	1_HV_SpHtBIBase	1	1	0	36.23
HVAC18	GRCCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	36.23
HVAC18	HLTCZ04	ROB	1_HV_SpHtBIBase	1	1	0.48	55.54
HVAC18	HLTCZ04	ROB	2_HV_SpHtBIHEff	2	1	0.03	55.54
HVAC18	LDGCZ04	ROB	1_HV_SpHtBIBase	1	1	0.11	47.44
HVAC18	LDGCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	47.44
HVAC18	LGOCZ04	ROB	1_HV_SpHtBIBase	1	1	0.58	35.92
HVAC18	LGOCZ04	ROB	2_HV_SpHtBIHEff	2	1	0.05	35.92
HVAC18	MSCCZ04	ROB	1_HV_SpHtBIBase	1	1	0.1	54.67
HVAC18	MSCCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	54.67
HVAC18	REFCZ04	ROB	1_HV_SpHtBIBase	1	1	0.02	38.42
HVAC18	REFCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	38.42
HVAC18	RETCZ04	ROB	1_HV_SpHtBIBase	1	1	0.03	40.77
HVAC18	RETCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	40.77
HVAC18	RSTCZ04	ROB	1_HV_SpHtBIBase	1	1	0.04	56.57
HVAC18	RSTCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	56.57

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ04	ROB	1_HV_SpHtBIBase	1	1	0.14	75.55
HVAC18	SCHCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	75.55
HVAC18	SMOCZ04	ROB	1_HV_SpHtBIBase	1	1	0.04	71.33
HVAC18	SMOCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	71.33
HVAC18	WRHCZ04	ROB	1_HV_SpHtBIBase	1	1	0	28.62
HVAC18	WRHCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	28.62
HVAC15	COLCZ04	RET	2_HV_DXTuneUp	2	0.49	0.12	3.27
HVAC15	GRCCZ04	RET	2_HV_DXTuneUp	2	0.56	0.14	2.32
HVAC15	HLTCZ04	RET	2_HV_DXTuneUp	2	0.43	0.11	2.87
HVAC15	LDGCZ04	RET	2_HV_DXTuneUp	2	0.45	0.11	2.27
HVAC15	LGOCZ04	RET	2_HV_DXTuneUp	2	0.29	0.07	2.83
HVAC15	MSCCZ04	RET	2_HV_DXTuneUp	2	0.35	0.09	3.04
HVAC15	REFCZ04	RET	2_HV_DXTuneUp	2	0.1	0.03	2.99
HVAC15	RETCZ04	RET	2_HV_DXTuneUp	2	0.51	0.13	2.8
HVAC15	RSTCZ04	RET	2_HV_DXTuneUp	2	0.41	0.1	4.05
HVAC15	SCHCZ04	RET	2_HV_DXTuneUp	2	0.47	0.12	3.63
HVAC15	SMOCZ04	RET	2_HV_DXTuneUp	2	0.91	0.23	3.23
HVAC15	WRHCZ04	RET	2_HV_DXTuneUp	2	0.16	0.04	2.53
HVAC14	COLCZ04	RET	2_HV_CHTuneUp	2	0.3	0.07	3.27
HVAC14	GRCCZ04	RET	2_HV_CHTuneUp	2	0.03	0.01	2.32
HVAC14	HLTCZ04	RET	2_HV_CHTuneUp	2	0.36	0.09	2.87
HVAC14	LDGCZ04	RET	2_HV_CHTuneUp	2	0.14	0.04	2.27
HVAC14	LGOCZ04	RET	2_HV_CHTuneUp	2	0.58	0.14	2.83
HVAC14	MSCCZ04	RET	2_HV_CHTuneUp	2	0.02	0	3.04
HVAC14	REFCZ04	RET	2_HV_CHTuneUp	2	0.01	0	2.99
HVAC14	RETCZ04	RET	2_HV_CHTuneUp	2	0.06	0.02	2.8
HVAC14	RSTCZ04	RET	2_HV_CHTuneUp	2	0	0	4.05
HVAC14	SCHCZ04	RET	2_HV_CHTuneUp	2	0	0	3.63
HVAC14	SMOCZ04	RET	2_HV_CHTuneUp	2	0.04	0.01	3.23
HVAC14	WRHCZ04	RET	2_HV_CHTuneUp	2	0	0	2.53
HVAC13	COLCZ04	ROB	1_HV_PTUge24	1	1	0	3.27
HVAC13	COLCZ04	ROB	2_HV_PTUge24HE	2	1	0	3.27
HVAC13	GRCCZ04	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	GRCCZ04	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	HLTCZ04	ROB	1_HV_PTUge24	1	1	0	2.87

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ04	ROB	2_HV_PTUge24HE	2	1	0	2.87
HVAC13	LDGCZ04	ROB	1_HV_PTUge24	1	1	0	2.27
HVAC13	LDGCZ04	ROB	2_HV_PTUge24HE	2	1	0	2.27
HVAC13	LGOCZ04	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	LGOCZ04	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	MSCCZ04	ROB	1_HV_PTUge24	1	1	0	3.04
HVAC13	MSCCZ04	ROB	2_HV_PTUge24HE	2	1	0	3.04
HVAC13	REFCZ04	ROB	1_HV_PTUge24	1	1	0	2.99
HVAC13	REFCZ04	ROB	2_HV_PTUge24HE	2	1	0	2.99
HVAC13	RETCZ04	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	RETCZ04	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC13	RSTCZ04	ROB	1_HV_PTUge24	1	1	0.02	4.05
HVAC13	RSTCZ04	ROB	2_HV_PTUge24HE	2	1	0	4.05
HVAC13	SCHCZ04	ROB	1_HV_PTUge24	1	1	0	3.63
HVAC13	SCHCZ04	ROB	2_HV_PTUge24HE	2	1	0	3.63
HVAC13	SMOCZ04	ROB	1_HV_PTUge24	1	1	0	3.23
HVAC13	SMOCZ04	ROB	2_HV_PTUge24HE	2	1	0	3.23
HVAC13	WRHCZ04	ROB	1_HV_PTUge24	1	1	0	2.53
HVAC13	WRHCZ04	ROB	2_HV_PTUge24HE	2	1	0	2.53
HVAC10	COLCZ04	ROB	1_HV_PTUIt24	1	1	0	3.27
HVAC10	COLCZ04	ROB	2_HV_PTUIt24HE	2	1	0	3.27
HVAC10	GRCCZ04	ROB	1_HV_PTUIt24	1	1	0	2.32
HVAC10	GRCCZ04	ROB	2_HV_PTUIt24HE	2	1	0	2.32
HVAC10	HLTCZ04	ROB	1_HV_PTUIt24	1	1	0.01	2.87
HVAC10	HLTCZ04	ROB	2_HV_PTUIt24HE	2	1	0	2.87
HVAC10	LDGCZ04	ROB	1_HV_PTUIt24	1	1	0.15	2.27
HVAC10	LDGCZ04	ROB	2_HV_PTUIt24HE	2	1	0	2.27
HVAC10	LGOCZ04	ROB	1_HV_PTUIt24	1	1	0	2.83
HVAC10	LGOCZ04	ROB	2_HV_PTUIt24HE	2	1	0	2.83
HVAC10	MSCCZ04	ROB	1_HV_PTUIt24	1	1	0.01	3.04
HVAC10	MSCCZ04	ROB	2_HV_PTUIt24HE	2	1	0	3.04
HVAC10	REFCZ04	ROB	1_HV_PTUIt24	1	1	0	2.99
HVAC10	REFCZ04	ROB	2_HV_PTUIt24HE	2	1	0	2.99
HVAC10	RETCZ04	ROB	1_HV_PTUIt24	1	1	0.02	2.8
HVAC10	RETCZ04	ROB	2_HV_PTUIt24HE	2	1	0	2.8

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ04	ROB	1_HV_PTUlt24	1	1	0	4.05
HVAC10	RSTCZ04	ROB	2_HV_PTUlt24HE	2	1	0	4.05
HVAC10	SCHCZ04	ROB	1_HV_PTUlt24	1	1	0	3.63
HVAC10	SCHCZ04	ROB	2_HV_PTUlt24HE	2	1	0	3.63
HVAC10	SMOCZ04	ROB	1_HV_PTUlt24	1	1	0	3.23
HVAC10	SMOCZ04	ROB	2_HV_PTUlt24HE	2	1	0	3.23
HVAC10	WRHCZ04	ROB	1_HV_PTUlt24	1	1	0	2.53
HVAC10	WRHCZ04	ROB	2_HV_PTUlt24HE	2	1	0	2.53
HVAC1	COLCZ04	ROB	1_HV_CentChBase	1	1	0.07	3.27
HVAC1	COLCZ04	ROB	2_HV_CentChHEff	2	1	0	3.27
HVAC1	GRCCZ04	ROB	1_HV_CentChBase	1	1	0	2.32
HVAC1	GRCCZ04	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	HLTCZ04	ROB	1_HV_CentChBase	1	1	0.28	2.87
HVAC1	HLTCZ04	ROB	2_HV_CentChHEff	2	1	0	2.87
HVAC1	LDGCZ04	ROB	1_HV_CentChBase	1	1	0.05	2.27
HVAC1	LDGCZ04	ROB	2_HV_CentChHEff	2	1	0	2.27
HVAC1	LGOCZ04	ROB	1_HV_CentChBase	1	1	0.34	2.83
HVAC1	LGOCZ04	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	MSCCZ04	ROB	1_HV_CentChBase	1	1	0.04	3.04
HVAC1	MSCCZ04	ROB	2_HV_CentChHEff	2	1	0	3.04
HVAC1	REFCZ04	ROB	1_HV_CentChBase	1	1	0	2.99
HVAC1	REFCZ04	ROB	2_HV_CentChHEff	2	1	0	2.99
HVAC1	RETCZ04	ROB	1_HV_CentChBase	1	1	0.05	2.8
HVAC1	RETCZ04	ROB	2_HV_CentChHEff	2	1	0	2.8
HVAC1	RSTCZ04	ROB	1_HV_CentChBase	1	1	0	4.05
HVAC1	RSTCZ04	ROB	2_HV_CentChHEff	2	1	0	4.05
HVAC1	SCHCZ04	ROB	1_HV_CentChBase	1	1	0	3.63
HVAC1	SCHCZ04	ROB	2_HV_CentChHEff	2	1	0	3.63
HVAC1	SMOCZ04	ROB	1_HV_CentChBase	1	1	0	3.23
HVAC1	SMOCZ04	ROB	2_HV_CentChHEff	2	1	0	3.23
HVAC1	WRHCZ04	ROB	1_HV_CentChBase	1	1	0	2.53
HVAC1	WRHCZ04	ROB	2_HV_CentChHEff	2	1	0	2.53

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ05	ROB	1_HV_PACge65	1	1	0.11	3.27
HVAC3	COLCZ05	ROB	2_HV_PACge6513	2	1	0	3.27
HVAC3	COLCZ05	ROB	3_HV_PACge6514	3	1	0	3.27
HVAC3	GRCCZ05	ROB	1_HV_PACge65	1	1	0.28	2.32
HVAC3	GRCCZ05	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	GRCCZ05	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	HLTCZ05	ROB	1_HV_PACge65	1	1	0.15	2.87
HVAC3	HLTCZ05	ROB	2_HV_PACge6513	2	1	0	2.87
HVAC3	HLTCZ05	ROB	3_HV_PACge6514	3	1	0	2.87
HVAC3	LDGCZ05	ROB	1_HV_PACge65	1	1	0.02	2.27
HVAC3	LDGCZ05	ROB	2_HV_PACge6513	2	1	0	2.27
HVAC3	LDGCZ05	ROB	3_HV_PACge6514	3	1	0	2.27
HVAC3	LGOZ05	ROB	1_HV_PACge65	1	1	0.3	2.83
HVAC3	LGOZ05	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	LGOZ05	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	MSCCZ05	ROB	1_HV_PACge65	1	1	0.18	3.04
HVAC3	MSCCZ05	ROB	2_HV_PACge6513	2	1	0	3.04
HVAC3	MSCCZ05	ROB	3_HV_PACge6514	3	1	0	3.04
HVAC3	REFCZ05	ROB	1_HV_PACge65	1	1	0.08	2.99
HVAC3	REFCZ05	ROB	2_HV_PACge6513	2	1	0	2.99
HVAC3	REFCZ05	ROB	3_HV_PACge6514	3	1	0	2.99
HVAC3	RETCZ05	ROB	1_HV_PACge65	1	1	0.3	2.8
HVAC3	RETCZ05	ROB	2_HV_PACge6513	2	1	0	2.8
HVAC3	RETCZ05	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC3	RSTCZ05	ROB	1_HV_PACge65	1	1	0.2	4.05
HVAC3	RSTCZ05	ROB	2_HV_PACge6513	2	1	0	4.05
HVAC3	RSTCZ05	ROB	3_HV_PACge6514	3	1	0	4.05
HVAC3	SCHCZ05	ROB	1_HV_PACge65	1	1	0.15	3.63
HVAC3	SCHCZ05	ROB	2_HV_PACge6513	2	1	0	3.63
HVAC3	SCHCZ05	ROB	3_HV_PACge6514	3	1	0	3.63
HVAC3	SMOCZ05	ROB	1_HV_PACge65	1	1	0.32	3.23
HVAC3	SMOCZ05	ROB	2_HV_PACge6513	2	1	0	3.23
HVAC3	SMOCZ05	ROB	3_HV_PACge6514	3	1	0	3.23
HVAC3	WRHCZ05	ROB	1_HV_PACge65	1	1	0.08	2.53
HVAC3	WRHCZ05	ROB	2_HV_PACge6513	2	1	0	2.53

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ05	ROB	3_HV_PACge6514	3	1	0	2.53
HVAC29	COLCZ05	RET	2_HV_BPipeIns	1	0.56	0.06	0.04
HVAC29	GRCCZ05	RET	2_HV_BPipeIns	1	0	0	0
HVAC29	HLTCZ05	RET	2_HV_BPipeIns	1	0.61	0.07	0.05
HVAC29	LDGCZ05	RET	2_HV_BPipeIns	1	0.75	0.05	0.08
HVAC29	LGOCZ05	RET	2_HV_BPipeIns	1	0.76	0.06	0.03
HVAC29	MSCCZ05	RET	2_HV_BPipeIns	1	0.28	0.03	0.12
HVAC29	REFCZ05	RET	2_HV_BPipeIns	1	0.59	0	0.02
HVAC29	RETCZ05	RET	2_HV_BPipeIns	1	0.08	0	0.03
HVAC29	RSTCZ05	RET	2_HV_BPipeIns	1	0.12	0.01	0.36
HVAC29	SCHCZ05	RET	2_HV_BPipeIns	1	0.38	0.01	0.06
HVAC29	SMOCZ05	RET	2_HV_BPipeIns	1	0.05	0	0.21
HVAC29	WRHCZ05	RET	2_HV_BPipeIns	1	0.05	0	0.06
HVAC24	COLCZ05	RET	2_HV_ChilPmpVFD	1	0.32	0.01	0.12
HVAC24	GRCCZ05	RET	2_HV_ChilPmpVFD	1	0.04	0	0.04
HVAC24	HLTCZ05	RET	2_HV_ChilPmpVFD	1	0.44	0.15	0.27
HVAC24	LDGCZ05	RET	2_HV_ChilPmpVFD	1	0.28	0.06	0.07
HVAC24	LGOCZ05	RET	2_HV_ChilPmpVFD	1	0.66	0.14	0.22
HVAC24	MSCCZ05	RET	2_HV_ChilPmpVFD	1	0.07	0.03	0.25
HVAC24	REFCZ05	RET	2_HV_ChilPmpVFD	1	0.42	0	0.02
HVAC24	RETCZ05	RET	2_HV_ChilPmpVFD	1	0.09	0	0.17
HVAC24	RSTCZ05	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ05	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SMOCZ05	RET	2_HV_ChilPmpVFD	1	0.05	0	0.16
HVAC24	WRHCZ05	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ05	RET	2_HV_VAV	1	0.48	0.01	0.96
HVAC23	GRCCZ05	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ05	RET	2_HV_VAV	1	0.4	0.13	0.99
HVAC23	LDGCZ05	RET	2_HV_VAV	1	0.18	0.06	0.34
HVAC23	LGOCZ05	RET	2_HV_VAV	1	0.69	0.39	1.04
HVAC23	MSCCZ05	RET	2_HV_VAV	1	0.05	0.01	1.51
HVAC23	REFCZ05	RET	2_HV_VAV	1	0.11	0	0.04
HVAC23	RETCZ05	RET	2_HV_VAV	1	0.02	0.02	1.38
HVAC23	RSTCZ05	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ05	RET	2_HV_VAV	1	0	0	0

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ05	RET	2_HV_VAV	1	0.05	0	1.26
HVAC23	WRHCZ05	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ05	RET	2_HV_CoolRoof	1	0.78	0	241.06
HVAC22	GRCCZ05	RET	2_HV_CoolRoof	1	0.26	0	979.73
HVAC22	HLTCZ05	RET	2_HV_CoolRoof	1	0.37	0.01	417.87
HVAC22	LDGCZ05	RET	2_HV_CoolRoof	1	0.32	0	236.07
HVAC22	LGOCZ05	RET	2_HV_CoolRoof	1	0.3	0.01	434.35
HVAC22	MSCCZ05	RET	2_HV_CoolRoof	1	0.23	0	631.84
HVAC22	REFCZ05	RET	2_HV_CoolRoof	1	0.35	0	787.51
HVAC22	RETCZ05	RET	2_HV_CoolRoof	1	0.33	0.07	811.23
HVAC22	RSTCZ05	RET	2_HV_CoolRoof	1	0.13	0	985.43
HVAC22	SCHCZ05	RET	2_HV_CoolRoof	1	0.23	0	412.32
HVAC22	SMOCZ05	RET	2_HV_CoolRoof	1	0.69	0	706.33
HVAC22	WRHCZ05	RET	2_HV_CoolRoof	1	0.5	0.04	749.05
HVAC21SZG	COLCZ05	RET	2_HV_TCtlzG	1	0.11	0.05	0.15
HVAC21SZG	GRCCZ05	RET	2_HV_TCtlzG	1	0.12	0.11	0.25
HVAC21SZG	HLTCZ05	RET	2_HV_TCtlzG	1	0.28	0.17	1.12
HVAC21SZG	LDGCZ05	RET	2_HV_TCtlzG	1	0.08	0.05	1.27
HVAC21SZG	LGOCZ05	RET	2_HV_TCtlzG	1	0.07	0.06	0.39
HVAC21SZG	MSCCZ05	RET	2_HV_TCtlzG	1	0.16	0.05	0.49
HVAC21SZG	REFCZ05	RET	2_HV_TCtlzG	1	0.05	0.04	0.04
HVAC21SZG	RETCZ05	RET	2_HV_TCtlzG	1	0.15	0.1	0.27
HVAC21SZG	RSTCZ05	RET	2_HV_TCtlzG	1	0.19	0.08	0.79
HVAC21SZG	SCHCZ05	RET	2_HV_TCtlzG	1	0.34	0.11	0.65
HVAC21SZG	SMOCZ05	RET	2_HV_TCtlzG	1	0.28	0	0.38
HVAC21SZG	WRHCZ05	RET	2_HV_TCtlzG	1	0.05	0.04	0.42
HVAC21SZE	COLCZ05	RET	2_HV_TCtlzE	1	0	0	0
HVAC21SZE	GRCCZ05	RET	2_HV_TCtlzE	1	0.01	0	1.38
HVAC21SZE	HLTCZ05	RET	2_HV_TCtlzE	1	0.07	0.06	0.59
HVAC21SZE	LDGCZ05	RET	2_HV_TCtlzE	1	0.22	0	2.15
HVAC21SZE	LGOCZ05	RET	2_HV_TCtlzE	1	0.03	0.03	0.32
HVAC21SZE	MSCCZ05	RET	2_HV_TCtlzE	1	0.02	0.01	1.22
HVAC21SZE	REFCZ05	RET	2_HV_TCtlzE	1	0.01	0	3.58
HVAC21SZE	RETCZ05	RET	2_HV_TCtlzE	1	0.11	0.02	0.69
HVAC21SZE	RSTCZ05	RET	2_HV_TCtlzE	1	0.03	0	1.11

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ05	RET	2_HV_TCtIszE	1	0.03	0.02	1.21
HVAC21SZE	SMOCZ05	RET	2_HV_TCtIszE	1	0.07	0.07	0.7
HVAC21SZE	WRHCZ05	RET	2_HV_TCtIszE	1	0	0	1.69
HVAC20E	COLCZ05	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ05	RET	2_HV_RfISngPane	1	0.02	0	202.2
HVAC20E	HLTCZ05	RET	2_HV_RfISngPane	1	0.03	0.01	464.06
HVAC20E	LDGCZ05	RET	2_HV_RfISngPane	1	0.08	0	58.85
HVAC20E	LGOCZ05	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	MSCCZ05	RET	2_HV_RfISngPane	1	0.01	0	36.04
HVAC20E	REFCZ05	RET	2_HV_RfISngPane	1	0.15	0	10.73
HVAC20E	RETCZ05	RET	2_HV_RfISngPane	1	0.06	0	45.3
HVAC20E	RSTCZ05	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SCHCZ05	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SMOCZ05	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	WRHCZ05	RET	2_HV_RfISngPane	1	0	0	9.37
HVAC2	COLCZ05	ROB	1_HV_PACIt65	1	1	0.54	3.27
HVAC2	COLCZ05	ROB	2_HV_PACIt6513	2	1	0	3.27
HVAC2	COLCZ05	ROB	3_HV_PACIt6514	3	1	0	3.27
HVAC2	GRCCZ05	ROB	1_HV_PACIt65	1	1	0.16	2.32
HVAC2	GRCCZ05	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	GRCCZ05	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	HLTCZ05	ROB	1_HV_PACIt65	1	1	0.27	2.87
HVAC2	HLTCZ05	ROB	2_HV_PACIt6513	2	1	0	2.87
HVAC2	HLTCZ05	ROB	3_HV_PACIt6514	3	1	0	2.87
HVAC2	LDGCZ05	ROB	1_HV_PACIt65	1	1	0.4	2.27
HVAC2	LDGCZ05	ROB	2_HV_PACIt6513	2	1	0	2.27
HVAC2	LDGCZ05	ROB	3_HV_PACIt6514	3	1	0	2.27
HVAC2	LGOCZ05	ROB	1_HV_PACIt65	1	1	0.07	2.83
HVAC2	LGOCZ05	ROB	2_HV_PACIt6513	2	1	0	2.83
HVAC2	LGOCZ05	ROB	3_HV_PACIt6514	3	1	0	2.83
HVAC2	MSCCZ05	ROB	1_HV_PACIt65	1	1	0.12	3.04
HVAC2	MSCCZ05	ROB	2_HV_PACIt6513	2	1	0	3.04
HVAC2	MSCCZ05	ROB	3_HV_PACIt6514	3	1	0	3.04
HVAC2	REFCZ05	ROB	1_HV_PACIt65	1	1	0.03	2.99
HVAC2	REFCZ05	ROB	2_HV_PACIt6513	2	1	0	2.99



PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ05	ROB	3_HV_PACIt6514	3	1	0	2.99
HVAC2	RETCZ05	ROB	1_HV_PACIt65	1	1	0.2	2.8
HVAC2	RETCZ05	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	RETCZ05	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC2	RSTCZ05	ROB	1_HV_PACIt65	1	1	0.17	4.05
HVAC2	RSTCZ05	ROB	2_HV_PACIt6513	2	1	0	4.05
HVAC2	RSTCZ05	ROB	3_HV_PACIt6514	3	1	0	4.05
HVAC2	SCHCZ05	ROB	1_HV_PACIt65	1	1	0.32	3.63
HVAC2	SCHCZ05	ROB	2_HV_PACIt6513	2	1	0	3.63
HVAC2	SCHCZ05	ROB	3_HV_PACIt6514	3	1	0	3.63
HVAC2	SMOCZ05	ROB	1_HV_PACIt65	1	1	0.6	3.23
HVAC2	SMOCZ05	ROB	2_HV_PACIt6513	2	1	0	3.23
HVAC2	SMOCZ05	ROB	3_HV_PACIt6514	3	1	0	3.23
HVAC2	WRHCZ05	ROB	1_HV_PACIt65	1	1	0.08	2.53
HVAC2	WRHCZ05	ROB	2_HV_PACIt6513	2	1	0	2.53
HVAC2	WRHCZ05	ROB	3_HV_PACIt6514	3	1	0	2.53
HVAC1A	COLCZ05	ROB	1_HV_RecChBase	1	1	0.06	3.27
HVAC1A	COLCZ05	ROB	2_HV_RecChHEff	2	1	0.01	3.27
HVAC1A	GRCCZ05	ROB	1_HV_RecChBase	1	1	0.06	2.32
HVAC1A	GRCCZ05	ROB	2_HV_RecChHEff	2	1	0	2.32
HVAC1A	HLTCZ05	ROB	1_HV_RecChBase	1	1	0.05	2.87
HVAC1A	HLTCZ05	ROB	2_HV_RecChHEff	2	1	0.07	2.87
HVAC1A	LDGCZ05	ROB	1_HV_RecChBase	1	1	0.04	2.27
HVAC1A	LDGCZ05	ROB	2_HV_RecChHEff	2	1	0.01	2.27
HVAC1A	LGOCZ05	ROB	1_HV_RecChBase	1	1	0.1	2.83
HVAC1A	LGOCZ05	ROB	2_HV_RecChHEff	2	1	0.08	2.83
HVAC1A	MSCCZ05	ROB	1_HV_RecChBase	1	1	0.01	3.04
HVAC1A	MSCCZ05	ROB	2_HV_RecChHEff	2	1	0	3.04
HVAC1A	REFCZ05	ROB	1_HV_RecChBase	1	1	0.01	2.99
HVAC1A	REFCZ05	ROB	2_HV_RecChHEff	2	1	0	2.99
HVAC1A	RETCZ05	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	RETCZ05	ROB	2_HV_RecChHEff	2	1	0.01	2.8
HVAC1A	RSTCZ05	ROB	1_HV_RecChBase	1	1	0	4.05
HVAC1A	RSTCZ05	ROB	2_HV_RecChHEff	2	1	0	4.05
HVAC1A	SCHCZ05	ROB	1_HV_RecChBase	1	1	0	3.63

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ05	ROB	2_HV_RecChHEff	2	1	0	3.63
HVAC1A	SMOCZ05	ROB	1_HV_RecChBase	1	1	0.03	3.23
HVAC1A	SMOCZ05	ROB	2_HV_RecChHEff	2	1	0	3.23
HVAC1A	WRHCZ05	ROB	1_HV_RecChBase	1	1	0	2.53
HVAC1A	WRHCZ05	ROB	2_HV_RecChHEff	2	1	0	2.53
HVAC19	COLCZ05	RET	2_HV_SpHtBITune	1	0.3	0	0.02
HVAC19	GRCCZ05	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ05	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	LDGCZ05	RET	2_HV_SpHtBITune	1	0.37	0	0.01
HVAC19	LGOCZ05	RET	2_HV_SpHtBITune	1	0.55	0	0.01
HVAC19	MSCCZ05	RET	2_HV_SpHtBITune	1	0.11	0	0.05
HVAC19	REFCZ05	RET	2_HV_SpHtBITune	1	0.17	0	0
HVAC19	RETCZ05	RET	2_HV_SpHtBITune	1	0.06	0	0.01
HVAC19	RSTCZ05	RET	2_HV_SpHtBITune	1	0.06	0	0.28
HVAC19	SCHCZ05	RET	2_HV_SpHtBITune	1	0.04	0	0.07
HVAC19	SMOCZ05	RET	2_HV_SpHtBITune	1	0.05	0	0.1
HVAC19	WRHCZ05	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ05	ROB	1_HV_SpHtBIBase	1	1	0.21	50.63
HVAC18	COLCZ05	ROB	2_HV_SpHtBIHEff	2	1	0.18	50.63
HVAC18	GRCCZ05	ROB	1_HV_SpHtBIBase	1	1	0	36.23
HVAC18	GRCCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	36.23
HVAC18	HLTCZ05	ROB	1_HV_SpHtBIBase	1	1	0.48	55.54
HVAC18	HLTCZ05	ROB	2_HV_SpHtBIHEff	2	1	0.03	55.54
HVAC18	LDGCZ05	ROB	1_HV_SpHtBIBase	1	1	0.11	47.44
HVAC18	LDGCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	47.44
HVAC18	LGOCZ05	ROB	1_HV_SpHtBIBase	1	1	0.58	35.92
HVAC18	LGOCZ05	ROB	2_HV_SpHtBIHEff	2	1	0.05	35.92
HVAC18	MSCCZ05	ROB	1_HV_SpHtBIBase	1	1	0.1	54.67
HVAC18	MSCCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	54.67
HVAC18	REFCZ05	ROB	1_HV_SpHtBIBase	1	1	0.02	38.42
HVAC18	REFCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	38.42
HVAC18	RETCZ05	ROB	1_HV_SpHtBIBase	1	1	0.03	40.77
HVAC18	RETCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	40.77
HVAC18	RSTCZ05	ROB	1_HV_SpHtBIBase	1	1	0.04	56.57
HVAC18	RSTCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	56.57

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ05	ROB	1_HV_SpHtBIBase	1	1	0.14	75.55
HVAC18	SCHCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	75.55
HVAC18	SMOCZ05	ROB	1_HV_SpHtBIBase	1	1	0.04	71.33
HVAC18	SMOCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	71.33
HVAC18	WRHCZ05	ROB	1_HV_SpHtBIBase	1	1	0	28.62
HVAC18	WRHCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	28.62
HVAC15	COLCZ05	RET	2_HV_DXTuneUp	2	0.49	0.12	3.27
HVAC15	GRCCZ05	RET	2_HV_DXTuneUp	2	0.56	0.14	2.32
HVAC15	HLTCZ05	RET	2_HV_DXTuneUp	2	0.43	0.11	2.87
HVAC15	LDGCZ05	RET	2_HV_DXTuneUp	2	0.45	0.11	2.27
HVAC15	LGOCZ05	RET	2_HV_DXTuneUp	2	0.29	0.07	2.83
HVAC15	MSCCZ05	RET	2_HV_DXTuneUp	2	0.35	0.09	3.04
HVAC15	REFCZ05	RET	2_HV_DXTuneUp	2	0.1	0.03	2.99
HVAC15	RETCZ05	RET	2_HV_DXTuneUp	2	0.51	0.13	2.8
HVAC15	RSTCZ05	RET	2_HV_DXTuneUp	2	0.41	0.1	4.05
HVAC15	SCHCZ05	RET	2_HV_DXTuneUp	2	0.47	0.12	3.63
HVAC15	SMOCZ05	RET	2_HV_DXTuneUp	2	0.91	0.23	3.23
HVAC15	WRHCZ05	RET	2_HV_DXTuneUp	2	0.16	0.04	2.53
HVAC14	COLCZ05	RET	2_HV_CHTuneUp	2	0.3	0.07	3.27
HVAC14	GRCCZ05	RET	2_HV_CHTuneUp	2	0.03	0.01	2.32
HVAC14	HLTCZ05	RET	2_HV_CHTuneUp	2	0.36	0.09	2.87
HVAC14	LDGCZ05	RET	2_HV_CHTuneUp	2	0.14	0.04	2.27
HVAC14	LGOCZ05	RET	2_HV_CHTuneUp	2	0.58	0.14	2.83
HVAC14	MSCCZ05	RET	2_HV_CHTuneUp	2	0.02	0	3.04
HVAC14	REFCZ05	RET	2_HV_CHTuneUp	2	0.01	0	2.99
HVAC14	RETCZ05	RET	2_HV_CHTuneUp	2	0.06	0.02	2.8
HVAC14	RSTCZ05	RET	2_HV_CHTuneUp	2	0	0	4.05
HVAC14	SCHCZ05	RET	2_HV_CHTuneUp	2	0	0	3.63
HVAC14	SMOCZ05	RET	2_HV_CHTuneUp	2	0.04	0.01	3.23
HVAC14	WRHCZ05	RET	2_HV_CHTuneUp	2	0	0	2.53
HVAC13	COLCZ05	ROB	1_HV_PTUge24	1	1	0	3.27
HVAC13	COLCZ05	ROB	2_HV_PTUge24HE	2	1	0	3.27
HVAC13	GRCCZ05	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	GRCCZ05	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	HLTCZ05	ROB	1_HV_PTUge24	1	1	0	2.87

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ05	ROB	2_HV_PTUge24HE	2	1	0	2.87
HVAC13	LDGCZ05	ROB	1_HV_PTUge24	1	1	0	2.27
HVAC13	LDGCZ05	ROB	2_HV_PTUge24HE	2	1	0	2.27
HVAC13	LGOCZ05	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	LGOCZ05	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	MSCCZ05	ROB	1_HV_PTUge24	1	1	0	3.04
HVAC13	MSCCZ05	ROB	2_HV_PTUge24HE	2	1	0	3.04
HVAC13	REFCZ05	ROB	1_HV_PTUge24	1	1	0	2.99
HVAC13	REFCZ05	ROB	2_HV_PTUge24HE	2	1	0	2.99
HVAC13	RETCZ05	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	RETCZ05	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC13	RSTCZ05	ROB	1_HV_PTUge24	1	1	0.02	4.05
HVAC13	RSTCZ05	ROB	2_HV_PTUge24HE	2	1	0	4.05
HVAC13	SCHCZ05	ROB	1_HV_PTUge24	1	1	0	3.63
HVAC13	SCHCZ05	ROB	2_HV_PTUge24HE	2	1	0	3.63
HVAC13	SMOCZ05	ROB	1_HV_PTUge24	1	1	0	3.23
HVAC13	SMOCZ05	ROB	2_HV_PTUge24HE	2	1	0	3.23
HVAC13	WRHCZ05	ROB	1_HV_PTUge24	1	1	0	2.53
HVAC13	WRHCZ05	ROB	2_HV_PTUge24HE	2	1	0	2.53
HVAC10	COLCZ05	ROB	1_HV_PTUlt24	1	1	0	3.27
HVAC10	COLCZ05	ROB	2_HV_PTUlt24HE	2	1	0	3.27
HVAC10	GRCCZ05	ROB	1_HV_PTUlt24	1	1	0	2.32
HVAC10	GRCCZ05	ROB	2_HV_PTUlt24HE	2	1	0	2.32
HVAC10	HLTCZ05	ROB	1_HV_PTUlt24	1	1	0.01	2.87
HVAC10	HLTCZ05	ROB	2_HV_PTUlt24HE	2	1	0	2.87
HVAC10	LDGCZ05	ROB	1_HV_PTUlt24	1	1	0.15	2.27
HVAC10	LDGCZ05	ROB	2_HV_PTUlt24HE	2	1	0	2.27
HVAC10	LGOCZ05	ROB	1_HV_PTUlt24	1	1	0	2.83
HVAC10	LGOCZ05	ROB	2_HV_PTUlt24HE	2	1	0	2.83
HVAC10	MSCCZ05	ROB	1_HV_PTUlt24	1	1	0.01	3.04
HVAC10	MSCCZ05	ROB	2_HV_PTUlt24HE	2	1	0	3.04
HVAC10	REFCZ05	ROB	1_HV_PTUlt24	1	1	0	2.99
HVAC10	REFCZ05	ROB	2_HV_PTUlt24HE	2	1	0	2.99
HVAC10	RETCZ05	ROB	1_HV_PTUlt24	1	1	0.02	2.8
HVAC10	RETCZ05	ROB	2_HV_PTUlt24HE	2	1	0	2.8

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ05	ROB	1_HV_PTUlt24	1	1	0	4.05
HVAC10	RSTCZ05	ROB	2_HV_PTUlt24HE	2	1	0	4.05
HVAC10	SCHCZ05	ROB	1_HV_PTUlt24	1	1	0	3.63
HVAC10	SCHCZ05	ROB	2_HV_PTUlt24HE	2	1	0	3.63
HVAC10	SMOCZ05	ROB	1_HV_PTUlt24	1	1	0	3.23
HVAC10	SMOCZ05	ROB	2_HV_PTUlt24HE	2	1	0	3.23
HVAC10	WRHCZ05	ROB	1_HV_PTUlt24	1	1	0	2.53
HVAC10	WRHCZ05	ROB	2_HV_PTUlt24HE	2	1	0	2.53
HVAC1	COLCZ05	ROB	1_HV_CentChBase	1	1	0.07	3.27
HVAC1	COLCZ05	ROB	2_HV_CentChHEff	2	1	0	3.27
HVAC1	GRCCZ05	ROB	1_HV_CentChBase	1	1	0	2.32
HVAC1	GRCCZ05	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	HLTCZ05	ROB	1_HV_CentChBase	1	1	0.28	2.87
HVAC1	HLTCZ05	ROB	2_HV_CentChHEff	2	1	0	2.87
HVAC1	LDGCZ05	ROB	1_HV_CentChBase	1	1	0.05	2.27
HVAC1	LDGCZ05	ROB	2_HV_CentChHEff	2	1	0	2.27
HVAC1	LGOCZ05	ROB	1_HV_CentChBase	1	1	0.34	2.83
HVAC1	LGOCZ05	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	MSCCZ05	ROB	1_HV_CentChBase	1	1	0.04	3.04
HVAC1	MSCCZ05	ROB	2_HV_CentChHEff	2	1	0	3.04
HVAC1	REFCZ05	ROB	1_HV_CentChBase	1	1	0	2.99
HVAC1	REFCZ05	ROB	2_HV_CentChHEff	2	1	0	2.99
HVAC1	RETCZ05	ROB	1_HV_CentChBase	1	1	0.05	2.8
HVAC1	RETCZ05	ROB	2_HV_CentChHEff	2	1	0	2.8
HVAC1	RSTCZ05	ROB	1_HV_CentChBase	1	1	0	4.05
HVAC1	RSTCZ05	ROB	2_HV_CentChHEff	2	1	0	4.05
HVAC1	SCHCZ05	ROB	1_HV_CentChBase	1	1	0	3.63
HVAC1	SCHCZ05	ROB	2_HV_CentChHEff	2	1	0	3.63
HVAC1	SMOCZ05	ROB	1_HV_CentChBase	1	1	0	3.23
HVAC1	SMOCZ05	ROB	2_HV_CentChHEff	2	1	0	3.23
HVAC1	WRHCZ05	ROB	1_HV_CentChBase	1	1	0	2.53
HVAC1	WRHCZ05	ROB	2_HV_CentChHEff	2	1	0	2.53

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ11	ROB	1_HV_PACge65	1	1	0.4	3.38
HVAC3	COLCZ11	ROB	2_HV_PACge6513	2	1	0	3.38
HVAC3	COLCZ11	ROB	3_HV_PACge6514	3	1	0	3.38
HVAC3	GRCCZ11	ROB	1_HV_PACge65	1	1	0.38	3.73
HVAC3	GRCCZ11	ROB	2_HV_PACge6513	2	1	0	3.73
HVAC3	GRCCZ11	ROB	3_HV_PACge6514	3	1	0	3.73
HVAC3	HLTCZ11	ROB	1_HV_PACge65	1	1	0.3	3
HVAC3	HLTCZ11	ROB	2_HV_PACge6513	2	1	0	3
HVAC3	HLTCZ11	ROB	3_HV_PACge6514	3	1	0	3
HVAC3	LDGCZ11	ROB	1_HV_PACge65	1	1	0.04	2.32
HVAC3	LDGCZ11	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	LDGCZ11	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	LGOCZ11	ROB	1_HV_PACge65	1	1	0.76	3.97
HVAC3	LGOCZ11	ROB	2_HV_PACge6513	2	1	0	3.97
HVAC3	LGOCZ11	ROB	3_HV_PACge6514	3	1	0	3.97
HVAC3	MSCCZ11	ROB	1_HV_PACge65	1	1	0.04	2.48
HVAC3	MSCCZ11	ROB	2_HV_PACge6513	2	1	0	2.48
HVAC3	MSCCZ11	ROB	3_HV_PACge6514	3	1	0	2.48
HVAC3	REFCZ11	ROB	1_HV_PACge65	1	1	0.03	3.83
HVAC3	REFCZ11	ROB	2_HV_PACge6513	2	1	0	3.83
HVAC3	REFCZ11	ROB	3_HV_PACge6514	3	1	0	3.83
HVAC3	RETCZ11	ROB	1_HV_PACge65	1	1	0.52	2.38
HVAC3	RETCZ11	ROB	2_HV_PACge6513	2	1	0	2.38
HVAC3	RETCZ11	ROB	3_HV_PACge6514	3	1	0	2.38
HVAC3	RSTCZ11	ROB	1_HV_PACge65	1	1	0.23	3.87
HVAC3	RSTCZ11	ROB	2_HV_PACge6513	2	1	0	3.87
HVAC3	RSTCZ11	ROB	3_HV_PACge6514	3	1	0	3.87
HVAC3	SCHCZ11	ROB	1_HV_PACge65	1	1	0.28	3.53
HVAC3	SCHCZ11	ROB	2_HV_PACge6513	2	1	0	3.53
HVAC3	SCHCZ11	ROB	3_HV_PACge6514	3	1	0	3.53
HVAC3	SMOCZ11	ROB	1_HV_PACge65	1	1	0.2	3.57
HVAC3	SMOCZ11	ROB	2_HV_PACge6513	2	1	0	3.57
HVAC3	SMOCZ11	ROB	3_HV_PACge6514	3	1	0	3.57
HVAC3	WRHCZ11	ROB	1_HV_PACge65	1	1	0.04	2.28
HVAC3	WRHCZ11	ROB	2_HV_PACge6513	2	1	0	2.28

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ11	ROB	3_HV_PACge6514	3	1	0	2.28
HVAC29	COLCZ11	RET	2_HV_BPipelns	1	0.95	0.15	0.03
HVAC29	GRCCZ11	RET	2_HV_BPipelns	1	0.11	0	0.06
HVAC29	HLTCZ11	RET	2_HV_BPipelns	1	0.59	0.2	0.1
HVAC29	LDGCZ11	RET	2_HV_BPipelns	1	0.74	0.31	0.08
HVAC29	LGOCZ11	RET	2_HV_BPipelns	1	0.38	0	0.05
HVAC29	MSCCZ11	RET	2_HV_BPipelns	1	0.02	0	0.08
HVAC29	REFCZ11	RET	2_HV_BPipelns	1	0.2	0	0.03
HVAC29	RETCZ11	RET	2_HV_BPipelns	1	0	0	0.05
HVAC29	RSTCZ11	RET	2_HV_BPipelns	1	0.02	0	0.22
HVAC29	SCHCZ11	RET	2_HV_BPipelns	1	0.53	0.11	0.04
HVAC29	SMOCZ11	RET	2_HV_BPipelns	1	0.01	0	0.23
HVAC29	WRHCZ11	RET	2_HV_BPipelns	1	0.04	0	0
HVAC24	COLCZ11	RET	2_HV_ChilPmpVFD	1	0.38	0	0.56
HVAC24	GRCCZ11	RET	2_HV_ChilPmpVFD	1	0.08	0	0.1
HVAC24	HLTCZ11	RET	2_HV_ChilPmpVFD	1	0.23	0.08	0.66
HVAC24	LDGCZ11	RET	2_HV_ChilPmpVFD	1	0.5	0	0.41
HVAC24	LGOCZ11	RET	2_HV_ChilPmpVFD	1	0.14	0.02	0.38
HVAC24	MSCCZ11	RET	2_HV_ChilPmpVFD	1	0.01	0	0.38
HVAC24	REFCZ11	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ11	RET	2_HV_ChilPmpVFD	1	0.02	0	0.29
HVAC24	RSTCZ11	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ11	RET	2_HV_ChilPmpVFD	1	0.21	0	0.34
HVAC24	SMOCZ11	RET	2_HV_ChilPmpVFD	1	0.01	0	0.06
HVAC24	WRHCZ11	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ11	RET	2_HV_VAV	1	0.02	0	1.7
HVAC23	GRCCZ11	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ11	RET	2_HV_VAV	1	0.19	0.06	1.15
HVAC23	LDGCZ11	RET	2_HV_VAV	1	0.2	0.01	0.14
HVAC23	LGOCZ11	RET	2_HV_VAV	1	0.24	0.17	1.2
HVAC23	MSCCZ11	RET	2_HV_VAV	1	0	0	0
HVAC23	REFCZ11	RET	2_HV_VAV	1	0	0	0
HVAC23	RETCZ11	RET	2_HV_VAV	1	0.02	0.01	0.77
HVAC23	RSTCZ11	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ11	RET	2_HV_VAV	1	0.12	0.01	0.86

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ11	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ11	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ11	RET	2_HV_CoolRoof	1	0.61	0	206.77
HVAC22	GRCCZ11	RET	2_HV_CoolRoof	1	0.32	0	999.68
HVAC22	HLTCZ11	RET	2_HV_CoolRoof	1	0.2	0	604.61
HVAC22	LDGCZ11	RET	2_HV_CoolRoof	1	0.19	0	243.35
HVAC22	LGOCZ11	RET	2_HV_CoolRoof	1	0.01	0	801.41
HVAC22	MSCCZ11	RET	2_HV_CoolRoof	1	0.02	0	855.53
HVAC22	REFCZ11	RET	2_HV_CoolRoof	1	0.25	0	528.37
HVAC22	RETCZ11	RET	2_HV_CoolRoof	1	0.32	0.03	774.47
HVAC22	RSTCZ11	RET	2_HV_CoolRoof	1	0.14	0	1000
HVAC22	SCHCZ11	RET	2_HV_CoolRoof	1	0.42	0	577.38
HVAC22	SMOCZ11	RET	2_HV_CoolRoof	1	0.29	0	939.49
HVAC22	WRHCZ11	RET	2_HV_CoolRoof	1	0.04	0	1000
HVAC21SZG	COLCZ11	RET	2_HV_TCtIszG	1	0	0	0
HVAC21SZG	GRCCZ11	RET	2_HV_TCtIszG	1	0.14	0.11	1.02
HVAC21SZG	HLTCZ11	RET	2_HV_TCtIszG	1	0.21	0.19	0.67
HVAC21SZG	LDGCZ11	RET	2_HV_TCtIszG	1	0.06	0	2.01
HVAC21SZG	LGOCZ11	RET	2_HV_TCtIszG	1	0.06	0.04	0.61
HVAC21SZG	MSCCZ11	RET	2_HV_TCtIszG	1	0.04	0.01	0.65
HVAC21SZG	REFCZ11	RET	2_HV_TCtIszG	1	0.05	0.02	0.45
HVAC21SZG	RETCZ11	RET	2_HV_TCtIszG	1	0.32	0.12	0.41
HVAC21SZG	RSTCZ11	RET	2_HV_TCtIszG	1	0.52	0.24	0.7
HVAC21SZG	SCHCZ11	RET	2_HV_TCtIszG	1	0.48	0.43	0.59
HVAC21SZG	SMOCZ11	RET	2_HV_TCtIszG	1	0.25	0.11	0.78
HVAC21SZG	WRHCZ11	RET	2_HV_TCtIszG	1	0.05	0.05	0.73
HVAC21SZE	COLCZ11	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	GRCCZ11	RET	2_HV_TCtIszE	1	0.02	0	1
HVAC21SZE	HLTCZ11	RET	2_HV_TCtIszE	1	0.05	0.05	1.76
HVAC21SZE	LDGCZ11	RET	2_HV_TCtIszE	1	0.1	0	3.56
HVAC21SZE	LGOCZ11	RET	2_HV_TCtIszE	1	0.04	0.04	0.99
HVAC21SZE	MSCCZ11	RET	2_HV_TCtIszE	1	0	0	0.86
HVAC21SZE	REFCZ11	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	RETCZ11	RET	2_HV_TCtIszE	1	0.03	0.02	0.47
HVAC21SZE	RSTCZ11	RET	2_HV_TCtIszE	1	0	0	0



PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ11	RET	2_HV_TCtIszE	1	0.13	0.13	0.35
HVAC21SZE	SMOCZ11	RET	2_HV_TCtIszE	1	0.01	0.01	1.67
HVAC21SZE	WRHCZ11	RET	2_HV_TCtIszE	1	0	0	0
HVAC20E	COLCZ11	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ11	RET	2_HV_RfISngPane	1	0.03	0	47.63
HVAC20E	HLTCZ11	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	LDGCZ11	RET	2_HV_RfISngPane	1	0.02	0	53.91
HVAC20E	LGOCZ11	RET	2_HV_RfISngPane	1	0	0	152.09
HVAC20E	MSCCZ11	RET	2_HV_RfISngPane	1	0	0	31.62
HVAC20E	REFCZ11	RET	2_HV_RfISngPane	1	0.01	0	1.12
HVAC20E	RETCZ11	RET	2_HV_RfISngPane	1	0.05	0	15.15
HVAC20E	RSTCZ11	RET	2_HV_RfISngPane	1	0.03	0	160.2
HVAC20E	SCHCZ11	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SMOCZ11	RET	2_HV_RfISngPane	1	0.24	0	90.26
HVAC20E	WRHCZ11	RET	2_HV_RfISngPane	1	0	0	0
HVAC2	COLCZ11	ROB	1_HV_PACIt65	1	1	0.05	3.38
HVAC2	COLCZ11	ROB	2_HV_PACIt6513	2	1	0	3.38
HVAC2	COLCZ11	ROB	3_HV_PACIt6514	3	1	0	3.38
HVAC2	GRCCZ11	ROB	1_HV_PACIt65	1	1	0.23	3.73
HVAC2	GRCCZ11	ROB	2_HV_PACIt6513	2	1	0	3.73
HVAC2	GRCCZ11	ROB	3_HV_PACIt6514	3	1	0	3.73
HVAC2	HLTCZ11	ROB	1_HV_PACIt65	1	1	0.44	3
HVAC2	HLTCZ11	ROB	2_HV_PACIt6513	2	1	0	3
HVAC2	HLTCZ11	ROB	3_HV_PACIt6514	3	1	0	3
HVAC2	LDGCZ11	ROB	1_HV_PACIt65	1	1	0.32	2.32
HVAC2	LDGCZ11	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	LDGCZ11	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	LGOCZ11	ROB	1_HV_PACIt65	1	1	0.05	3.97
HVAC2	LGOCZ11	ROB	2_HV_PACIt6513	2	1	0	3.97
HVAC2	LGOCZ11	ROB	3_HV_PACIt6514	3	1	0	3.97
HVAC2	MSCCZ11	ROB	1_HV_PACIt65	1	1	0.05	2.48
HVAC2	MSCCZ11	ROB	2_HV_PACIt6513	2	1	0	2.48
HVAC2	MSCCZ11	ROB	3_HV_PACIt6514	3	1	0	2.48
HVAC2	REFCZ11	ROB	1_HV_PACIt65	1	1	0.03	3.83
HVAC2	REFCZ11	ROB	2_HV_PACIt6513	2	1	0	3.83

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ11	ROB	3_HV_PACIt6514	3	1	0	3.83
HVAC2	RETCZ11	ROB	1_HV_PACIt65	1	1	0.3	2.38
HVAC2	RETCZ11	ROB	2_HV_PACIt6513	2	1	0	2.38
HVAC2	RETCZ11	ROB	3_HV_PACIt6514	3	1	0	2.38
HVAC2	RSTCZ11	ROB	1_HV_PACIt65	1	1	0.67	3.87
HVAC2	RSTCZ11	ROB	2_HV_PACIt6513	2	1	0	3.87
HVAC2	RSTCZ11	ROB	3_HV_PACIt6514	3	1	0	3.87
HVAC2	SCHCZ11	ROB	1_HV_PACIt65	1	1	0.44	3.53
HVAC2	SCHCZ11	ROB	2_HV_PACIt6513	2	1	0	3.53
HVAC2	SCHCZ11	ROB	3_HV_PACIt6514	3	1	0	3.53
HVAC2	SMOCZ11	ROB	1_HV_PACIt65	1	1	0.64	3.57
HVAC2	SMOCZ11	ROB	2_HV_PACIt6513	2	1	0	3.57
HVAC2	SMOCZ11	ROB	3_HV_PACIt6514	3	1	0	3.57
HVAC2	WRHCZ11	ROB	1_HV_PACIt65	1	1	0.17	2.28
HVAC2	WRHCZ11	ROB	2_HV_PACIt6513	2	1	0	2.28
HVAC2	WRHCZ11	ROB	3_HV_PACIt6514	3	1	0	2.28
HVAC1A	COLCZ11	ROB	1_HV_RecChBase	1	1	0	3.38
HVAC1A	COLCZ11	ROB	2_HV_RecChHEff	2	1	0.04	3.38
HVAC1A	GRCCZ11	ROB	1_HV_RecChBase	1	1	0.09	3.73
HVAC1A	GRCCZ11	ROB	2_HV_RecChHEff	2	1	0	3.73
HVAC1A	HLTCZ11	ROB	1_HV_RecChBase	1	1	0.07	3
HVAC1A	HLTCZ11	ROB	2_HV_RecChHEff	2	1	0.01	3
HVAC1A	LDGCZ11	ROB	1_HV_RecChBase	1	1	0	2.32
HVAC1A	LDGCZ11	ROB	2_HV_RecChHEff	2	1	0.04	2.32
HVAC1A	LGOCZ11	ROB	1_HV_RecChBase	1	1	0.02	3.97
HVAC1A	LGOCZ11	ROB	2_HV_RecChHEff	2	1	0.01	3.97
HVAC1A	MSCCZ11	ROB	1_HV_RecChBase	1	1	0	2.48
HVAC1A	MSCCZ11	ROB	2_HV_RecChHEff	2	1	0	2.48
HVAC1A	REFCZ11	ROB	1_HV_RecChBase	1	1	0	3.83
HVAC1A	REFCZ11	ROB	2_HV_RecChHEff	2	1	0	3.83
HVAC1A	RETCZ11	ROB	1_HV_RecChBase	1	1	0	2.38
HVAC1A	RETCZ11	ROB	2_HV_RecChHEff	2	1	0.01	2.38
HVAC1A	RSTCZ11	ROB	1_HV_RecChBase	1	1	0	3.87
HVAC1A	RSTCZ11	ROB	2_HV_RecChHEff	2	1	0	3.87
HVAC1A	SCHCZ11	ROB	1_HV_RecChBase	1	1	0.02	3.53

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ11	ROB	2_HV_RecChHEff	2	1	0.02	3.53
HVAC1A	SMOCZ11	ROB	1_HV_RecChBase	1	1	0.01	3.57
HVAC1A	SMOCZ11	ROB	2_HV_RecChHEff	2	1	0	3.57
HVAC1A	WRHCZ11	ROB	1_HV_RecChBase	1	1	0	2.28
HVAC1A	WRHCZ11	ROB	2_HV_RecChHEff	2	1	0	2.28
HVAC19	COLCZ11	RET	2_HV_SpHtBITune	1	0.02	0	0.32
HVAC19	GRCCZ11	RET	2_HV_SpHtBITune	1	0.11	0	0.03
HVAC19	HLTCZ11	RET	2_HV_SpHtBITune	1	0.17	0	0.06
HVAC19	LDGCZ11	RET	2_HV_SpHtBITune	1	0.26	0	0.02
HVAC19	LGOCZ11	RET	2_HV_SpHtBITune	1	0.35	0	0.02
HVAC19	MSCCZ11	RET	2_HV_SpHtBITune	1	0.01	0	0.03
HVAC19	REFCZ11	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ11	RET	2_HV_SpHtBITune	1	0	0	0.03
HVAC19	RSTCZ11	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	SCHCZ11	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	SMOCZ11	RET	2_HV_SpHtBITune	1	0.01	0	0.12
HVAC19	WRHCZ11	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ11	ROB	1_HV_SpHtBIBase	1	1	0.73	76.83
HVAC18	COLCZ11	ROB	2_HV_SpHtBIHEff	2	1	0	76.83
HVAC18	GRCCZ11	ROB	1_HV_SpHtBIBase	1	1	0.03	46.71
HVAC18	GRCCZ11	ROB	2_HV_SpHtBIHEff	2	1	0	46.71
HVAC18	HLTCZ11	ROB	1_HV_SpHtBIBase	1	1	0.29	49.45
HVAC18	HLTCZ11	ROB	2_HV_SpHtBIHEff	2	1	0	49.45
HVAC18	LDGCZ11	ROB	1_HV_SpHtBIBase	1	1	0.48	37.18
HVAC18	LDGCZ11	ROB	2_HV_SpHtBIHEff	2	1	0	37.18
HVAC18	LGOCZ11	ROB	1_HV_SpHtBIBase	1	1	0.17	69.09
HVAC18	LGOCZ11	ROB	2_HV_SpHtBIHEff	2	1	0.13	69.09
HVAC18	MSCCZ11	ROB	1_HV_SpHtBIBase	1	1	0.01	44.99
HVAC18	MSCCZ11	ROB	2_HV_SpHtBIHEff	2	1	0	44.99
HVAC18	REFCZ11	ROB	1_HV_SpHtBIBase	1	1	0	73.51
HVAC18	REFCZ11	ROB	2_HV_SpHtBIHEff	2	1	0	73.51
HVAC18	RETCZ11	ROB	1_HV_SpHtBIBase	1	1	0	52.45
HVAC18	RETCZ11	ROB	2_HV_SpHtBIHEff	2	1	0	52.45
HVAC18	RSTCZ11	ROB	1_HV_SpHtBIBase	1	1	0	67.85
HVAC18	RSTCZ11	ROB	2_HV_SpHtBIHEff	2	1	0	67.85

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ11	ROB	1_HV_SpHtBIBase	1	1	0.19	69.83
HVAC18	SCHCZ11	ROB	2_HV_SpHtBIHEff	2	1	0	69.83
HVAC18	SMOCZ11	ROB	1_HV_SpHtBIBase	1	1	0.01	63.43
HVAC18	SMOCZ11	ROB	2_HV_SpHtBIHEff	2	1	0	63.43
HVAC18	WRHCZ11	ROB	1_HV_SpHtBIBase	1	1	0	22.47
HVAC18	WRHCZ11	ROB	2_HV_SpHtBIHEff	2	1	0	22.47
HVAC15	COLCZ11	RET	2_HV_DXTuneUp	2	0.44	0.11	3.38
HVAC15	GRCCZ11	RET	2_HV_DXTuneUp	2	0.7	0.18	3.73
HVAC15	HLTCZ11	RET	2_HV_DXTuneUp	2	0.77	0.19	3
HVAC15	LDGCZ11	RET	2_HV_DXTuneUp	2	0.49	0.12	2.32
HVAC15	LGOCZ11	RET	2_HV_DXTuneUp	2	0.8	0.2	3.97
HVAC15	MSCCZ11	RET	2_HV_DXTuneUp	2	0.08	0.02	2.27
HVAC15	REFCZ11	RET	2_HV_DXTuneUp	2	0.09	0.02	3.83
HVAC15	RETCZ11	RET	2_HV_DXTuneUp	2	0.86	0.21	2.38
HVAC15	RSTCZ11	RET	2_HV_DXTuneUp	2	0.9	0.23	3.87
HVAC15	SCHCZ11	RET	2_HV_DXTuneUp	2	0.71	0.18	3.53
HVAC15	SMOCZ11	RET	2_HV_DXTuneUp	2	0.83	0.21	3.57
HVAC15	WRHCZ11	RET	2_HV_DXTuneUp	2	0.2	0.05	2.28
HVAC14	COLCZ11	RET	2_HV_CHTuneUp	2	0.32	0.08	3.38
HVAC14	GRCCZ11	RET	2_HV_CHTuneUp	2	0.03	0.01	3.73
HVAC14	HLTCZ11	RET	2_HV_CHTuneUp	2	0.22	0.05	3
HVAC14	LDGCZ11	RET	2_HV_CHTuneUp	2	0.47	0.12	2.32
HVAC14	LGOCZ11	RET	2_HV_CHTuneUp	2	0.15	0.04	3.97
HVAC14	MSCCZ11	RET	2_HV_CHTuneUp	2	0	0	2.27
HVAC14	REFCZ11	RET	2_HV_CHTuneUp	2	0	0	3.83
HVAC14	RETCZ11	RET	2_HV_CHTuneUp	2	0.03	0.01	2.38
HVAC14	RSTCZ11	RET	2_HV_CHTuneUp	2	0	0	3.87
HVAC14	SCHCZ11	RET	2_HV_CHTuneUp	2	0.16	0.04	3.53
HVAC14	SMOCZ11	RET	2_HV_CHTuneUp	2	0.01	0	3.57
HVAC14	WRHCZ11	RET	2_HV_CHTuneUp	2	0	0	2.28
HVAC13	COLCZ11	ROB	1_HV_PTUge24	1	1	0	3.38
HVAC13	COLCZ11	ROB	2_HV_PTUge24HE	2	1	0	3.38
HVAC13	GRCCZ11	ROB	1_HV_PTUge24	1	1	0	3.73
HVAC13	GRCCZ11	ROB	2_HV_PTUge24HE	2	1	0	3.73
HVAC13	HLTCZ11	ROB	1_HV_PTUge24	1	1	0	3

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ11	ROB	2_HV_PTUge24HE	2	1	0	3
HVAC13	LDGCZ11	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	LDGCZ11	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	LGOCZ11	ROB	1_HV_PTUge24	1	1	0	3.97
HVAC13	LGOCZ11	ROB	2_HV_PTUge24HE	2	1	0	3.97
HVAC13	MSCCZ11	ROB	1_HV_PTUge24	1	1	0	2.48
HVAC13	MSCCZ11	ROB	2_HV_PTUge24HE	2	1	0	2.48
HVAC13	REFCZ11	ROB	1_HV_PTUge24	1	1	0	3.83
HVAC13	REFCZ11	ROB	2_HV_PTUge24HE	2	1	0	3.83
HVAC13	RETCZ11	ROB	1_HV_PTUge24	1	1	0	2.38
HVAC13	RETCZ11	ROB	2_HV_PTUge24HE	2	1	0	2.38
HVAC13	RSTCZ11	ROB	1_HV_PTUge24	1	1	0	3.87
HVAC13	RSTCZ11	ROB	2_HV_PTUge24HE	2	1	0	3.87
HVAC13	SCHCZ11	ROB	1_HV_PTUge24	1	1	0.04	3.53
HVAC13	SCHCZ11	ROB	2_HV_PTUge24HE	2	1	0	3.53
HVAC13	SMOCZ11	ROB	1_HV_PTUge24	1	1	0	3.57
HVAC13	SMOCZ11	ROB	2_HV_PTUge24HE	2	1	0	3.57
HVAC13	WRHCZ11	ROB	1_HV_PTUge24	1	1	0	2.28
HVAC13	WRHCZ11	ROB	2_HV_PTUge24HE	2	1	0	2.28
HVAC10	COLCZ11	ROB	1_HV_PTUit24	1	1	0	3.38
HVAC10	COLCZ11	ROB	2_HV_PTUit24HE	2	1	0	3.38
HVAC10	GRCCZ11	ROB	1_HV_PTUit24	1	1	0	3.73
HVAC10	GRCCZ11	ROB	2_HV_PTUit24HE	2	1	0	3.73
HVAC10	HLTCZ11	ROB	1_HV_PTUit24	1	1	0.01	3
HVAC10	HLTCZ11	ROB	2_HV_PTUit24HE	2	1	0	3
HVAC10	LDGCZ11	ROB	1_HV_PTUit24	1	1	0.22	2.32
HVAC10	LDGCZ11	ROB	2_HV_PTUit24HE	2	1	0	2.32
HVAC10	LGOCZ11	ROB	1_HV_PTUit24	1	1	0	3.97
HVAC10	LGOCZ11	ROB	2_HV_PTUit24HE	2	1	0	3.97
HVAC10	MSCCZ11	ROB	1_HV_PTUit24	1	1	0	2.48
HVAC10	MSCCZ11	ROB	2_HV_PTUit24HE	2	1	0	2.48
HVAC10	REFCZ11	ROB	1_HV_PTUit24	1	1	0	3.83
HVAC10	REFCZ11	ROB	2_HV_PTUit24HE	2	1	0	3.83
HVAC10	RETCZ11	ROB	1_HV_PTUit24	1	1	0	2.38
HVAC10	RETCZ11	ROB	2_HV_PTUit24HE	2	1	0	2.38

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ11	ROB	1_HV_PTUlt24	1	1	0	3.87
HVAC10	RSTCZ11	ROB	2_HV_PTUlt24HE	2	1	0	3.87
HVAC10	SCHCZ11	ROB	1_HV_PTUlt24	1	1	0	3.53
HVAC10	SCHCZ11	ROB	2_HV_PTUlt24HE	2	1	0	3.53
HVAC10	SMOCZ11	ROB	1_HV_PTUlt24	1	1	0	3.57
HVAC10	SMOCZ11	ROB	2_HV_PTUlt24HE	2	1	0	3.57
HVAC10	WRHCZ11	ROB	1_HV_PTUlt24	1	1	0	2.28
HVAC10	WRHCZ11	ROB	2_HV_PTUlt24HE	2	1	0	2.28
HVAC1	COLCZ11	ROB	1_HV_CentChBase	1	1	0.24	3.38
HVAC1	COLCZ11	ROB	2_HV_CentChHEff	2	1	0	3.38
HVAC1	GRCCZ11	ROB	1_HV_CentChBase	1	1	0	3.73
HVAC1	GRCCZ11	ROB	2_HV_CentChHEff	2	1	0	3.73
HVAC1	HLTCZ11	ROB	1_HV_CentChBase	1	1	0.18	3
HVAC1	HLTCZ11	ROB	2_HV_CentChHEff	2	1	0	3
HVAC1	LDGCZ11	ROB	1_HV_CentChBase	1	1	0.34	2.32
HVAC1	LDGCZ11	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	LGOZ11	ROB	1_HV_CentChBase	1	1	0.09	3.97
HVAC1	LGOZ11	ROB	2_HV_CentChHEff	2	1	0	3.97
HVAC1	MSCCZ11	ROB	1_HV_CentChBase	1	1	0	2.48
HVAC1	MSCCZ11	ROB	2_HV_CentChHEff	2	1	0	2.48
HVAC1	REFCZ11	ROB	1_HV_CentChBase	1	1	0	3.83
HVAC1	REFCZ11	ROB	2_HV_CentChHEff	2	1	0	3.83
HVAC1	RETCZ11	ROB	1_HV_CentChBase	1	1	0.03	2.38
HVAC1	RETCZ11	ROB	2_HV_CentChHEff	2	1	0	2.38
HVAC1	RSTCZ11	ROB	1_HV_CentChBase	1	1	0	3.87
HVAC1	RSTCZ11	ROB	2_HV_CentChHEff	2	1	0	3.87
HVAC1	SCHCZ11	ROB	1_HV_CentChBase	1	1	0.12	3.53
HVAC1	SCHCZ11	ROB	2_HV_CentChHEff	2	1	0	3.53
HVAC1	SMOCZ11	ROB	1_HV_CentChBase	1	1	0	3.57
HVAC1	SMOCZ11	ROB	2_HV_CentChHEff	2	1	0	3.57
HVAC1	WRHCZ11	ROB	1_HV_CentChBase	1	1	0	2.28
HVAC1	WRHCZ11	ROB	2_HV_CentChHEff	2	1	0	2.28

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ12	ROB	1_HV_PACge65	1	1	0.4	3.38
HVAC3	COLCZ12	ROB	2_HV_PACge6513	2	1	0	3.38
HVAC3	COLCZ12	ROB	3_HV_PACge6514	3	1	0	3.38
HVAC3	GRCCZ12	ROB	1_HV_PACge65	1	1	0.38	3.73
HVAC3	GRCCZ12	ROB	2_HV_PACge6513	2	1	0	3.73
HVAC3	GRCCZ12	ROB	3_HV_PACge6514	3	1	0	3.73
HVAC3	HLTCZ12	ROB	1_HV_PACge65	1	1	0.3	3
HVAC3	HLTCZ12	ROB	2_HV_PACge6513	2	1	0	3
HVAC3	HLTCZ12	ROB	3_HV_PACge6514	3	1	0	3
HVAC3	LDGCZ12	ROB	1_HV_PACge65	1	1	0.04	2.32
HVAC3	LDGCZ12	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	LDGCZ12	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	LGOCZ12	ROB	1_HV_PACge65	1	1	0.76	3.97
HVAC3	LGOCZ12	ROB	2_HV_PACge6513	2	1	0	3.97
HVAC3	LGOCZ12	ROB	3_HV_PACge6514	3	1	0	3.97
HVAC3	MSCCZ12	ROB	1_HV_PACge65	1	1	0.04	2.48
HVAC3	MSCCZ12	ROB	2_HV_PACge6513	2	1	0	2.48
HVAC3	MSCCZ12	ROB	3_HV_PACge6514	3	1	0	2.48
HVAC3	REFCZ12	ROB	1_HV_PACge65	1	1	0.03	3.83
HVAC3	REFCZ12	ROB	2_HV_PACge6513	2	1	0	3.83
HVAC3	REFCZ12	ROB	3_HV_PACge6514	3	1	0	3.83
HVAC3	RETCZ12	ROB	1_HV_PACge65	1	1	0.52	2.38
HVAC3	RETCZ12	ROB	2_HV_PACge6513	2	1	0	2.38
HVAC3	RETCZ12	ROB	3_HV_PACge6514	3	1	0	2.38
HVAC3	RSTCZ12	ROB	1_HV_PACge65	1	1	0.23	3.87
HVAC3	RSTCZ12	ROB	2_HV_PACge6513	2	1	0	3.87
HVAC3	RSTCZ12	ROB	3_HV_PACge6514	3	1	0	3.87
HVAC3	SCHCZ12	ROB	1_HV_PACge65	1	1	0.28	3.53
HVAC3	SCHCZ12	ROB	2_HV_PACge6513	2	1	0	3.53
HVAC3	SCHCZ12	ROB	3_HV_PACge6514	3	1	0	3.53
HVAC3	SMOCZ12	ROB	1_HV_PACge65	1	1	0.2	3.57
HVAC3	SMOCZ12	ROB	2_HV_PACge6513	2	1	0	3.57
HVAC3	SMOCZ12	ROB	3_HV_PACge6514	3	1	0	3.57
HVAC3	WRHCZ12	ROB	1_HV_PACge65	1	1	0.04	2.28
HVAC3	WRHCZ12	ROB	2_HV_PACge6513	2	1	0	2.28

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ12	ROB	3_HV_PACge6514	3	1	0	2.28
HVAC29	COLCZ12	RET	2_HV_BPipelns	1	0.95	0.15	0.03
HVAC29	GRCCZ12	RET	2_HV_BPipelns	1	0.11	0	0.06
HVAC29	HLTCZ12	RET	2_HV_BPipelns	1	0.59	0.2	0.1
HVAC29	LDGCZ12	RET	2_HV_BPipelns	1	0.74	0.31	0.08
HVAC29	LGOCZ12	RET	2_HV_BPipelns	1	0.38	0	0.05
HVAC29	MSCCZ12	RET	2_HV_BPipelns	1	0.02	0	0.08
HVAC29	REFCZ12	RET	2_HV_BPipelns	1	0.2	0	0.03
HVAC29	RETCZ12	RET	2_HV_BPipelns	1	0	0	0.05
HVAC29	RSTCZ12	RET	2_HV_BPipelns	1	0.02	0	0.22
HVAC29	SCHCZ12	RET	2_HV_BPipelns	1	0.53	0.11	0.04
HVAC29	SMOCZ12	RET	2_HV_BPipelns	1	0.01	0	0.23
HVAC29	WRHCZ12	RET	2_HV_BPipelns	1	0.04	0	0
HVAC24	COLCZ12	RET	2_HV_ChilPmpVFD	1	0.38	0	0.56
HVAC24	GRCCZ12	RET	2_HV_ChilPmpVFD	1	0.08	0	0.1
HVAC24	HLTCZ12	RET	2_HV_ChilPmpVFD	1	0.23	0.08	0.66
HVAC24	LDGCZ12	RET	2_HV_ChilPmpVFD	1	0.5	0	0.41
HVAC24	LGOCZ12	RET	2_HV_ChilPmpVFD	1	0.14	0.02	0.38
HVAC24	MSCCZ12	RET	2_HV_ChilPmpVFD	1	0.01	0	0.38
HVAC24	REFCZ12	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ12	RET	2_HV_ChilPmpVFD	1	0.02	0	0.29
HVAC24	RSTCZ12	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ12	RET	2_HV_ChilPmpVFD	1	0.21	0	0.34
HVAC24	SMOCZ12	RET	2_HV_ChilPmpVFD	1	0.01	0	0.06
HVAC24	WRHCZ12	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ12	RET	2_HV_VAV	1	0.02	0	1.7
HVAC23	GRCCZ12	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ12	RET	2_HV_VAV	1	0.19	0.06	1.15
HVAC23	LDGCZ12	RET	2_HV_VAV	1	0.2	0.01	0.14
HVAC23	LGOCZ12	RET	2_HV_VAV	1	0.24	0.17	1.2
HVAC23	MSCCZ12	RET	2_HV_VAV	1	0	0	0
HVAC23	REFCZ12	RET	2_HV_VAV	1	0	0	0
HVAC23	RETCZ12	RET	2_HV_VAV	1	0.02	0.01	0.77
HVAC23	RSTCZ12	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ12	RET	2_HV_VAV	1	0.12	0.01	0.86



PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ12	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ12	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ12	RET	2_HV_CoolRoof	1	0.61	0	206.77
HVAC22	GRCCZ12	RET	2_HV_CoolRoof	1	0.32	0	999.68
HVAC22	HLTCZ12	RET	2_HV_CoolRoof	1	0.2	0	604.61
HVAC22	LDGCZ12	RET	2_HV_CoolRoof	1	0.19	0	243.35
HVAC22	LGOCZ12	RET	2_HV_CoolRoof	1	0.01	0	801.41
HVAC22	MSCCZ12	RET	2_HV_CoolRoof	1	0.02	0	855.53
HVAC22	REFCZ12	RET	2_HV_CoolRoof	1	0.25	0	528.37
HVAC22	RETCZ12	RET	2_HV_CoolRoof	1	0.32	0.03	774.47
HVAC22	RSTCZ12	RET	2_HV_CoolRoof	1	0.14	0	1000
HVAC22	SCHCZ12	RET	2_HV_CoolRoof	1	0.42	0	577.38
HVAC22	SMOCZ12	RET	2_HV_CoolRoof	1	0.29	0	939.49
HVAC22	WRHCZ12	RET	2_HV_CoolRoof	1	0.04	0	1000
HVAC21SZG	COLCZ12	RET	2_HV_TCtIszG	1	0	0	0
HVAC21SZG	GRCCZ12	RET	2_HV_TCtIszG	1	0.14	0.11	1.02
HVAC21SZG	HLTCZ12	RET	2_HV_TCtIszG	1	0.21	0.19	0.67
HVAC21SZG	LDGCZ12	RET	2_HV_TCtIszG	1	0.06	0	2.01
HVAC21SZG	LGOCZ12	RET	2_HV_TCtIszG	1	0.06	0.04	0.61
HVAC21SZG	MSCCZ12	RET	2_HV_TCtIszG	1	0.04	0.01	0.65
HVAC21SZG	REFCZ12	RET	2_HV_TCtIszG	1	0.05	0.02	0.45
HVAC21SZG	RETCZ12	RET	2_HV_TCtIszG	1	0.32	0.12	0.41
HVAC21SZG	RSTCZ12	RET	2_HV_TCtIszG	1	0.52	0.24	0.7
HVAC21SZG	SCHCZ12	RET	2_HV_TCtIszG	1	0.48	0.43	0.59
HVAC21SZG	SMOCZ12	RET	2_HV_TCtIszG	1	0.25	0.11	0.78
HVAC21SZG	WRHCZ12	RET	2_HV_TCtIszG	1	0.05	0.05	0.73
HVAC21SZE	COLCZ12	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	GRCCZ12	RET	2_HV_TCtIszE	1	0.02	0	1
HVAC21SZE	HLTCZ12	RET	2_HV_TCtIszE	1	0.05	0.05	1.76
HVAC21SZE	LDGCZ12	RET	2_HV_TCtIszE	1	0.1	0	3.56
HVAC21SZE	LGOCZ12	RET	2_HV_TCtIszE	1	0.04	0.04	0.99
HVAC21SZE	MSCCZ12	RET	2_HV_TCtIszE	1	0	0	0.86
HVAC21SZE	REFCZ12	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	RETCZ12	RET	2_HV_TCtIszE	1	0.03	0.02	0.47
HVAC21SZE	RSTCZ12	RET	2_HV_TCtIszE	1	0	0	0

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ12	RET	2_HV_TCtIszE	1	0.13	0.13	0.35
HVAC21SZE	SMOCZ12	RET	2_HV_TCtIszE	1	0.01	0.01	1.67
HVAC21SZE	WRHCZ12	RET	2_HV_TCtIszE	1	0	0	0
HVAC20E	COLCZ12	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ12	RET	2_HV_RfISngPane	1	0.03	0	47.63
HVAC20E	HLTCZ12	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	LDGCZ12	RET	2_HV_RfISngPane	1	0.02	0	53.91
HVAC20E	LGOCZ12	RET	2_HV_RfISngPane	1	0	0	152.09
HVAC20E	MSCCZ12	RET	2_HV_RfISngPane	1	0	0	31.62
HVAC20E	REFCZ12	RET	2_HV_RfISngPane	1	0.01	0	1.12
HVAC20E	RETCZ12	RET	2_HV_RfISngPane	1	0.05	0	15.15
HVAC20E	RSTCZ12	RET	2_HV_RfISngPane	1	0.03	0	160.2
HVAC20E	SCHCZ12	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SMOCZ12	RET	2_HV_RfISngPane	1	0.24	0	90.26
HVAC20E	WRHCZ12	RET	2_HV_RfISngPane	1	0	0	0
HVAC2	COLCZ12	ROB	1_HV_PACIt65	1	1	0.05	3.38
HVAC2	COLCZ12	ROB	2_HV_PACIt6513	2	1	0	3.38
HVAC2	COLCZ12	ROB	3_HV_PACIt6514	3	1	0	3.38
HVAC2	GRCCZ12	ROB	1_HV_PACIt65	1	1	0.23	3.73
HVAC2	GRCCZ12	ROB	2_HV_PACIt6513	2	1	0	3.73
HVAC2	GRCCZ12	ROB	3_HV_PACIt6514	3	1	0	3.73
HVAC2	HLTCZ12	ROB	1_HV_PACIt65	1	1	0.44	3
HVAC2	HLTCZ12	ROB	2_HV_PACIt6513	2	1	0	3
HVAC2	HLTCZ12	ROB	3_HV_PACIt6514	3	1	0	3
HVAC2	LDGCZ12	ROB	1_HV_PACIt65	1	1	0.32	2.32
HVAC2	LDGCZ12	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	LDGCZ12	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	LGOCZ12	ROB	1_HV_PACIt65	1	1	0.05	3.97
HVAC2	LGOCZ12	ROB	2_HV_PACIt6513	2	1	0	3.97
HVAC2	LGOCZ12	ROB	3_HV_PACIt6514	3	1	0	3.97
HVAC2	MSCCZ12	ROB	1_HV_PACIt65	1	1	0.05	2.48
HVAC2	MSCCZ12	ROB	2_HV_PACIt6513	2	1	0	2.48
HVAC2	MSCCZ12	ROB	3_HV_PACIt6514	3	1	0	2.48
HVAC2	REFCZ12	ROB	1_HV_PACIt65	1	1	0.03	3.83
HVAC2	REFCZ12	ROB	2_HV_PACIt6513	2	1	0	3.83

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ12	ROB	3_HV_PACIt6514	3	1	0	3.83
HVAC2	RETCZ12	ROB	1_HV_PACIt65	1	1	0.3	2.38
HVAC2	RETCZ12	ROB	2_HV_PACIt6513	2	1	0	2.38
HVAC2	RETCZ12	ROB	3_HV_PACIt6514	3	1	0	2.38
HVAC2	RSTCZ12	ROB	1_HV_PACIt65	1	1	0.67	3.87
HVAC2	RSTCZ12	ROB	2_HV_PACIt6513	2	1	0	3.87
HVAC2	RSTCZ12	ROB	3_HV_PACIt6514	3	1	0	3.87
HVAC2	SCHCZ12	ROB	1_HV_PACIt65	1	1	0.44	3.53
HVAC2	SCHCZ12	ROB	2_HV_PACIt6513	2	1	0	3.53
HVAC2	SCHCZ12	ROB	3_HV_PACIt6514	3	1	0	3.53
HVAC2	SMOCZ12	ROB	1_HV_PACIt65	1	1	0.64	3.57
HVAC2	SMOCZ12	ROB	2_HV_PACIt6513	2	1	0	3.57
HVAC2	SMOCZ12	ROB	3_HV_PACIt6514	3	1	0	3.57
HVAC2	WRHCZ12	ROB	1_HV_PACIt65	1	1	0.17	2.28
HVAC2	WRHCZ12	ROB	2_HV_PACIt6513	2	1	0	2.28
HVAC2	WRHCZ12	ROB	3_HV_PACIt6514	3	1	0	2.28
HVAC1A	COLCZ12	ROB	1_HV_RecChBase	1	1	0	3.38
HVAC1A	COLCZ12	ROB	2_HV_RecChHEff	2	1	0.04	3.38
HVAC1A	GRCCZ12	ROB	1_HV_RecChBase	1	1	0.09	3.73
HVAC1A	GRCCZ12	ROB	2_HV_RecChHEff	2	1	0	3.73
HVAC1A	HLTCZ12	ROB	1_HV_RecChBase	1	1	0.07	3
HVAC1A	HLTCZ12	ROB	2_HV_RecChHEff	2	1	0.01	3
HVAC1A	LDGCZ12	ROB	1_HV_RecChBase	1	1	0	2.32
HVAC1A	LDGCZ12	ROB	2_HV_RecChHEff	2	1	0.04	2.32
HVAC1A	LGOCZ12	ROB	1_HV_RecChBase	1	1	0.02	3.97
HVAC1A	LGOCZ12	ROB	2_HV_RecChHEff	2	1	0.01	3.97
HVAC1A	MSCCZ12	ROB	1_HV_RecChBase	1	1	0	2.48
HVAC1A	MSCCZ12	ROB	2_HV_RecChHEff	2	1	0	2.48
HVAC1A	REFCZ12	ROB	1_HV_RecChBase	1	1	0	3.83
HVAC1A	REFCZ12	ROB	2_HV_RecChHEff	2	1	0	3.83
HVAC1A	RETCZ12	ROB	1_HV_RecChBase	1	1	0	2.38
HVAC1A	RETCZ12	ROB	2_HV_RecChHEff	2	1	0.01	2.38
HVAC1A	RSTCZ12	ROB	1_HV_RecChBase	1	1	0	3.87
HVAC1A	RSTCZ12	ROB	2_HV_RecChHEff	2	1	0	3.87
HVAC1A	SCHCZ12	ROB	1_HV_RecChBase	1	1	0.02	3.53

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ12	ROB	2_HV_RecChHEff	2	1	0.02	3.53
HVAC1A	SMOCZ12	ROB	1_HV_RecChBase	1	1	0.01	3.57
HVAC1A	SMOCZ12	ROB	2_HV_RecChHEff	2	1	0	3.57
HVAC1A	WRHCZ12	ROB	1_HV_RecChBase	1	1	0	2.28
HVAC1A	WRHCZ12	ROB	2_HV_RecChHEff	2	1	0	2.28
HVAC19	COLCZ12	RET	2_HV_SpHtBITune	1	0.02	0	0.32
HVAC19	GRCCZ12	RET	2_HV_SpHtBITune	1	0.11	0	0.03
HVAC19	HLTCZ12	RET	2_HV_SpHtBITune	1	0.17	0	0.06
HVAC19	LDGCZ12	RET	2_HV_SpHtBITune	1	0.26	0	0.02
HVAC19	LGOCZ12	RET	2_HV_SpHtBITune	1	0.35	0	0.02
HVAC19	MSCCZ12	RET	2_HV_SpHtBITune	1	0.01	0	0.03
HVAC19	REFCZ12	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ12	RET	2_HV_SpHtBITune	1	0	0	0.03
HVAC19	RSTCZ12	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	SCHCZ12	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	SMOCZ12	RET	2_HV_SpHtBITune	1	0.01	0	0.12
HVAC19	WRHCZ12	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ12	ROB	1_HV_SpHtBIBase	1	1	0.73	76.83
HVAC18	COLCZ12	ROB	2_HV_SpHtBIHEff	2	1	0	76.83
HVAC18	GRCCZ12	ROB	1_HV_SpHtBIBase	1	1	0.03	46.71
HVAC18	GRCCZ12	ROB	2_HV_SpHtBIHEff	2	1	0	46.71
HVAC18	HLTCZ12	ROB	1_HV_SpHtBIBase	1	1	0.29	49.45
HVAC18	HLTCZ12	ROB	2_HV_SpHtBIHEff	2	1	0	49.45
HVAC18	LDGCZ12	ROB	1_HV_SpHtBIBase	1	1	0.48	37.18
HVAC18	LDGCZ12	ROB	2_HV_SpHtBIHEff	2	1	0	37.18
HVAC18	LGOCZ12	ROB	1_HV_SpHtBIBase	1	1	0.17	69.09
HVAC18	LGOCZ12	ROB	2_HV_SpHtBIHEff	2	1	0.13	69.09
HVAC18	MSCCZ12	ROB	1_HV_SpHtBIBase	1	1	0.01	44.99
HVAC18	MSCCZ12	ROB	2_HV_SpHtBIHEff	2	1	0	44.99
HVAC18	REFCZ12	ROB	1_HV_SpHtBIBase	1	1	0	73.51
HVAC18	REFCZ12	ROB	2_HV_SpHtBIHEff	2	1	0	73.51
HVAC18	RETCZ12	ROB	1_HV_SpHtBIBase	1	1	0	52.45
HVAC18	RETCZ12	ROB	2_HV_SpHtBIHEff	2	1	0	52.45
HVAC18	RSTCZ12	ROB	1_HV_SpHtBIBase	1	1	0	67.85
HVAC18	RSTCZ12	ROB	2_HV_SpHtBIHEff	2	1	0	67.85

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ12	ROB	1_HV_SpHtBIBase	1	1	0.19	69.83
HVAC18	SCHCZ12	ROB	2_HV_SpHtBIHEff	2	1	0	69.83
HVAC18	SMOCZ12	ROB	1_HV_SpHtBIBase	1	1	0.01	63.43
HVAC18	SMOCZ12	ROB	2_HV_SpHtBIHEff	2	1	0	63.43
HVAC18	WRHCZ12	ROB	1_HV_SpHtBIBase	1	1	0	22.47
HVAC18	WRHCZ12	ROB	2_HV_SpHtBIHEff	2	1	0	22.47
HVAC15	COLCZ12	RET	2_HV_DXTuneUp	2	0.44	0.11	3.38
HVAC15	GRCCZ12	RET	2_HV_DXTuneUp	2	0.7	0.18	3.73
HVAC15	HLTCZ12	RET	2_HV_DXTuneUp	2	0.77	0.19	3
HVAC15	LDGCZ12	RET	2_HV_DXTuneUp	2	0.49	0.12	2.32
HVAC15	LGOCZ12	RET	2_HV_DXTuneUp	2	0.8	0.2	3.97
HVAC15	MSCCZ12	RET	2_HV_DXTuneUp	2	0.08	0.02	2.27
HVAC15	REFCZ12	RET	2_HV_DXTuneUp	2	0.09	0.02	3.83
HVAC15	RETCZ12	RET	2_HV_DXTuneUp	2	0.86	0.21	2.38
HVAC15	RSTCZ12	RET	2_HV_DXTuneUp	2	0.9	0.23	3.87
HVAC15	SCHCZ12	RET	2_HV_DXTuneUp	2	0.71	0.18	3.53
HVAC15	SMOCZ12	RET	2_HV_DXTuneUp	2	0.83	0.21	3.57
HVAC15	WRHCZ12	RET	2_HV_DXTuneUp	2	0.2	0.05	2.28
HVAC14	COLCZ12	RET	2_HV_CHTuneUp	2	0.32	0.08	3.38
HVAC14	GRCCZ12	RET	2_HV_CHTuneUp	2	0.03	0.01	3.73
HVAC14	HLTCZ12	RET	2_HV_CHTuneUp	2	0.22	0.05	3
HVAC14	LDGCZ12	RET	2_HV_CHTuneUp	2	0.47	0.12	2.32
HVAC14	LGOCZ12	RET	2_HV_CHTuneUp	2	0.15	0.04	3.97
HVAC14	MSCCZ12	RET	2_HV_CHTuneUp	2	0	0	2.27
HVAC14	REFCZ12	RET	2_HV_CHTuneUp	2	0	0	3.83
HVAC14	RETCZ12	RET	2_HV_CHTuneUp	2	0.03	0.01	2.38
HVAC14	RSTCZ12	RET	2_HV_CHTuneUp	2	0	0	3.87
HVAC14	SCHCZ12	RET	2_HV_CHTuneUp	2	0.16	0.04	3.53
HVAC14	SMOCZ12	RET	2_HV_CHTuneUp	2	0.01	0	3.57
HVAC14	WRHCZ12	RET	2_HV_CHTuneUp	2	0	0	2.28
HVAC13	COLCZ12	ROB	1_HV_PTUge24	1	1	0	3.38
HVAC13	COLCZ12	ROB	2_HV_PTUge24HE	2	1	0	3.38
HVAC13	GRCCZ12	ROB	1_HV_PTUge24	1	1	0	3.73
HVAC13	GRCCZ12	ROB	2_HV_PTUge24HE	2	1	0	3.73
HVAC13	HLTCZ12	ROB	1_HV_PTUge24	1	1	0	3

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ12	ROB	2_HV_PTUge24HE	2	1	0	3
HVAC13	LDGCZ12	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	LDGCZ12	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	LGOCZ12	ROB	1_HV_PTUge24	1	1	0	3.97
HVAC13	LGOCZ12	ROB	2_HV_PTUge24HE	2	1	0	3.97
HVAC13	MSCCZ12	ROB	1_HV_PTUge24	1	1	0	2.48
HVAC13	MSCCZ12	ROB	2_HV_PTUge24HE	2	1	0	2.48
HVAC13	REFCZ12	ROB	1_HV_PTUge24	1	1	0	3.83
HVAC13	REFCZ12	ROB	2_HV_PTUge24HE	2	1	0	3.83
HVAC13	RETCZ12	ROB	1_HV_PTUge24	1	1	0	2.38
HVAC13	RETCZ12	ROB	2_HV_PTUge24HE	2	1	0	2.38
HVAC13	RSTCZ12	ROB	1_HV_PTUge24	1	1	0	3.87
HVAC13	RSTCZ12	ROB	2_HV_PTUge24HE	2	1	0	3.87
HVAC13	SCHCZ12	ROB	1_HV_PTUge24	1	1	0.04	3.53
HVAC13	SCHCZ12	ROB	2_HV_PTUge24HE	2	1	0	3.53
HVAC13	SMOCZ12	ROB	1_HV_PTUge24	1	1	0	3.57
HVAC13	SMOCZ12	ROB	2_HV_PTUge24HE	2	1	0	3.57
HVAC13	WRHCZ12	ROB	1_HV_PTUge24	1	1	0	2.28
HVAC13	WRHCZ12	ROB	2_HV_PTUge24HE	2	1	0	2.28
HVAC10	COLCZ12	ROB	1_HV_PTUIt24	1	1	0	3.38
HVAC10	COLCZ12	ROB	2_HV_PTUIt24HE	2	1	0	3.38
HVAC10	GRCCZ12	ROB	1_HV_PTUIt24	1	1	0	3.73
HVAC10	GRCCZ12	ROB	2_HV_PTUIt24HE	2	1	0	3.73
HVAC10	HLTCZ12	ROB	1_HV_PTUIt24	1	1	0.01	3
HVAC10	HLTCZ12	ROB	2_HV_PTUIt24HE	2	1	0	3
HVAC10	LDGCZ12	ROB	1_HV_PTUIt24	1	1	0.22	2.32
HVAC10	LDGCZ12	ROB	2_HV_PTUIt24HE	2	1	0	2.32
HVAC10	LGOCZ12	ROB	1_HV_PTUIt24	1	1	0	3.97
HVAC10	LGOCZ12	ROB	2_HV_PTUIt24HE	2	1	0	3.97
HVAC10	MSCCZ12	ROB	1_HV_PTUIt24	1	1	0	2.48
HVAC10	MSCCZ12	ROB	2_HV_PTUIt24HE	2	1	0	2.48
HVAC10	REFCZ12	ROB	1_HV_PTUIt24	1	1	0	3.83
HVAC10	REFCZ12	ROB	2_HV_PTUIt24HE	2	1	0	3.83
HVAC10	RETCZ12	ROB	1_HV_PTUIt24	1	1	0	2.38
HVAC10	RETCZ12	ROB	2_HV_PTUIt24HE	2	1	0	2.38

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ12	ROB	1_HV_PTUlt24	1	1	0	3.87
HVAC10	RSTCZ12	ROB	2_HV_PTUlt24HE	2	1	0	3.87
HVAC10	SCHCZ12	ROB	1_HV_PTUlt24	1	1	0	3.53
HVAC10	SCHCZ12	ROB	2_HV_PTUlt24HE	2	1	0	3.53
HVAC10	SMOCZ12	ROB	1_HV_PTUlt24	1	1	0	3.57
HVAC10	SMOCZ12	ROB	2_HV_PTUlt24HE	2	1	0	3.57
HVAC10	WRHCZ12	ROB	1_HV_PTUlt24	1	1	0	2.28
HVAC10	WRHCZ12	ROB	2_HV_PTUlt24HE	2	1	0	2.28
HVAC1	COLCZ12	ROB	1_HV_CentChBase	1	1	0.24	3.38
HVAC1	COLCZ12	ROB	2_HV_CentChHEff	2	1	0	3.38
HVAC1	GRCCZ12	ROB	1_HV_CentChBase	1	1	0	3.73
HVAC1	GRCCZ12	ROB	2_HV_CentChHEff	2	1	0	3.73
HVAC1	HLTCZ12	ROB	1_HV_CentChBase	1	1	0.18	3
HVAC1	HLTCZ12	ROB	2_HV_CentChHEff	2	1	0	3
HVAC1	LDGCZ12	ROB	1_HV_CentChBase	1	1	0.34	2.32
HVAC1	LDGCZ12	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	LGOZ12	ROB	1_HV_CentChBase	1	1	0.09	3.97
HVAC1	LGOZ12	ROB	2_HV_CentChHEff	2	1	0	3.97
HVAC1	MSCCZ12	ROB	1_HV_CentChBase	1	1	0	2.48
HVAC1	MSCCZ12	ROB	2_HV_CentChHEff	2	1	0	2.48
HVAC1	REFCZ12	ROB	1_HV_CentChBase	1	1	0	3.83
HVAC1	REFCZ12	ROB	2_HV_CentChHEff	2	1	0	3.83
HVAC1	RETCZ12	ROB	1_HV_CentChBase	1	1	0.03	2.38
HVAC1	RETCZ12	ROB	2_HV_CentChHEff	2	1	0	2.38
HVAC1	RSTCZ12	ROB	1_HV_CentChBase	1	1	0	3.87
HVAC1	RSTCZ12	ROB	2_HV_CentChHEff	2	1	0	3.87
HVAC1	SCHCZ12	ROB	1_HV_CentChBase	1	1	0.12	3.53
HVAC1	SCHCZ12	ROB	2_HV_CentChHEff	2	1	0	3.53
HVAC1	SMOCZ12	ROB	1_HV_CentChBase	1	1	0	3.57
HVAC1	SMOCZ12	ROB	2_HV_CentChHEff	2	1	0	3.57
HVAC1	WRHCZ12	ROB	1_HV_CentChBase	1	1	0	2.28
HVAC1	WRHCZ12	ROB	2_HV_CentChHEff	2	1	0	2.28

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ13	ROB	1_HV_PACge65	1	1	0.4	3.38
HVAC3	COLCZ13	ROB	2_HV_PACge6513	2	1	0	3.38
HVAC3	COLCZ13	ROB	3_HV_PACge6514	3	1	0	3.38
HVAC3	GRCCZ13	ROB	1_HV_PACge65	1	1	0.38	3.73
HVAC3	GRCCZ13	ROB	2_HV_PACge6513	2	1	0	3.73
HVAC3	GRCCZ13	ROB	3_HV_PACge6514	3	1	0	3.73
HVAC3	HLTCZ13	ROB	1_HV_PACge65	1	1	0.3	3
HVAC3	HLTCZ13	ROB	2_HV_PACge6513	2	1	0	3
HVAC3	HLTCZ13	ROB	3_HV_PACge6514	3	1	0	3
HVAC3	LDGCZ13	ROB	1_HV_PACge65	1	1	0.04	2.32
HVAC3	LDGCZ13	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	LDGCZ13	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	LGOCZ13	ROB	1_HV_PACge65	1	1	0.76	3.97
HVAC3	LGOCZ13	ROB	2_HV_PACge6513	2	1	0	3.97
HVAC3	LGOCZ13	ROB	3_HV_PACge6514	3	1	0	3.97
HVAC3	MSCCZ13	ROB	1_HV_PACge65	1	1	0.04	2.48
HVAC3	MSCCZ13	ROB	2_HV_PACge6513	2	1	0	2.48
HVAC3	MSCCZ13	ROB	3_HV_PACge6514	3	1	0	2.48
HVAC3	REFCZ13	ROB	1_HV_PACge65	1	1	0.03	3.83
HVAC3	REFCZ13	ROB	2_HV_PACge6513	2	1	0	3.83
HVAC3	REFCZ13	ROB	3_HV_PACge6514	3	1	0	3.83
HVAC3	RETCZ13	ROB	1_HV_PACge65	1	1	0.52	2.38
HVAC3	RETCZ13	ROB	2_HV_PACge6513	2	1	0	2.38
HVAC3	RETCZ13	ROB	3_HV_PACge6514	3	1	0	2.38
HVAC3	RSTCZ13	ROB	1_HV_PACge65	1	1	0.23	3.87
HVAC3	RSTCZ13	ROB	2_HV_PACge6513	2	1	0	3.87
HVAC3	RSTCZ13	ROB	3_HV_PACge6514	3	1	0	3.87
HVAC3	SCHCZ13	ROB	1_HV_PACge65	1	1	0.28	3.53
HVAC3	SCHCZ13	ROB	2_HV_PACge6513	2	1	0	3.53
HVAC3	SCHCZ13	ROB	3_HV_PACge6514	3	1	0	3.53
HVAC3	SMOCZ13	ROB	1_HV_PACge65	1	1	0.2	3.57
HVAC3	SMOCZ13	ROB	2_HV_PACge6513	2	1	0	3.57
HVAC3	SMOCZ13	ROB	3_HV_PACge6514	3	1	0	3.57
HVAC3	WRHCZ13	ROB	1_HV_PACge65	1	1	0.04	2.28
HVAC3	WRHCZ13	ROB	2_HV_PACge6513	2	1	0	2.28



PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 13

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HVAC3	WRHCZ13	ROB	3_HV_PACge6514	3	1	0	2.28
HVAC29	COLCZ13	RET	2_HV_BPipelns	1	0.95	0.15	0.03
HVAC29	GRCCZ13	RET	2_HV_BPipelns	1	0.11	0	0.06
HVAC29	HLTCZ13	RET	2_HV_BPipelns	1	0.59	0.2	0.1
HVAC29	LDGCZ13	RET	2_HV_BPipelns	1	0.74	0.31	0.08
HVAC29	LGOCZ13	RET	2_HV_BPipelns	1	0.38	0	0.05
HVAC29	MSCCZ13	RET	2_HV_BPipelns	1	0.02	0	0.08
HVAC29	REFCZ13	RET	2_HV_BPipelns	1	0.2	0	0.03
HVAC29	RETCZ13	RET	2_HV_BPipelns	1	0	0	0.05
HVAC29	RSTCZ13	RET	2_HV_BPipelns	1	0.02	0	0.22
HVAC29	SCHCZ13	RET	2_HV_BPipelns	1	0.53	0.11	0.04
HVAC29	SMOCZ13	RET	2_HV_BPipelns	1	0.01	0	0.23
HVAC29	WRHCZ13	RET	2_HV_BPipelns	1	0.04	0	0
HVAC24	COLCZ13	RET	2_HV_ChilPmpVFD	1	0.38	0	0.56
HVAC24	GRCCZ13	RET	2_HV_ChilPmpVFD	1	0.08	0	0.1
HVAC24	HLTCZ13	RET	2_HV_ChilPmpVFD	1	0.23	0.08	0.66
HVAC24	LDGCZ13	RET	2_HV_ChilPmpVFD	1	0.5	0	0.41
HVAC24	LGOCZ13	RET	2_HV_ChilPmpVFD	1	0.14	0.02	0.38
HVAC24	MSCCZ13	RET	2_HV_ChilPmpVFD	1	0.01	0	0.38
HVAC24	REFCZ13	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ13	RET	2_HV_ChilPmpVFD	1	0.02	0	0.29
HVAC24	RSTCZ13	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ13	RET	2_HV_ChilPmpVFD	1	0.21	0	0.34
HVAC24	SMOCZ13	RET	2_HV_ChilPmpVFD	1	0.01	0	0.06
HVAC24	WRHCZ13	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ13	RET	2_HV_VAV	1	0.02	0	1.7
HVAC23	GRCCZ13	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ13	RET	2_HV_VAV	1	0.19	0.06	1.15
HVAC23	LDGCZ13	RET	2_HV_VAV	1	0.2	0.01	0.14
HVAC23	LGOCZ13	RET	2_HV_VAV	1	0.24	0.17	1.2
HVAC23	MSCCZ13	RET	2_HV_VAV	1	0	0	0
HVAC23	REFCZ13	RET	2_HV_VAV	1	0	0	0
HVAC23	RETCZ13	RET	2_HV_VAV	1	0.02	0.01	0.77
HVAC23	RSTCZ13	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ13	RET	2_HV_VAV	1	0.12	0.01	0.86

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 13

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HVAC23	SMOCZ13	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ13	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ13	RET	2_HV_CoolRoof	1	0.61	0	206.77
HVAC22	GRCCZ13	RET	2_HV_CoolRoof	1	0.32	0	999.68
HVAC22	HLTCZ13	RET	2_HV_CoolRoof	1	0.2	0	604.61
HVAC22	LDGCZ13	RET	2_HV_CoolRoof	1	0.19	0	243.35
HVAC22	LGOCZ13	RET	2_HV_CoolRoof	1	0.01	0	801.41
HVAC22	MSCCZ13	RET	2_HV_CoolRoof	1	0.02	0	855.53
HVAC22	REFCZ13	RET	2_HV_CoolRoof	1	0.25	0	528.37
HVAC22	RETCZ13	RET	2_HV_CoolRoof	1	0.32	0.03	774.47
HVAC22	RSTCZ13	RET	2_HV_CoolRoof	1	0.14	0	1000
HVAC22	SCHCZ13	RET	2_HV_CoolRoof	1	0.42	0	577.38
HVAC22	SMOCZ13	RET	2_HV_CoolRoof	1	0.29	0	939.49
HVAC22	WRHCZ13	RET	2_HV_CoolRoof	1	0.04	0	1000
HVAC21SZG	COLCZ13	RET	2_HV_TCtIszG	1	0	0	0
HVAC21SZG	GRCCZ13	RET	2_HV_TCtIszG	1	0.14	0.11	1.02
HVAC21SZG	HLTCZ13	RET	2_HV_TCtIszG	1	0.21	0.19	0.67
HVAC21SZG	LDGCZ13	RET	2_HV_TCtIszG	1	0.06	0	2.01
HVAC21SZG	LGOCZ13	RET	2_HV_TCtIszG	1	0.06	0.04	0.61
HVAC21SZG	MSCCZ13	RET	2_HV_TCtIszG	1	0.04	0.01	0.65
HVAC21SZG	REFCZ13	RET	2_HV_TCtIszG	1	0.05	0.02	0.45
HVAC21SZG	RETCZ13	RET	2_HV_TCtIszG	1	0.32	0.12	0.41
HVAC21SZG	RSTCZ13	RET	2_HV_TCtIszG	1	0.52	0.24	0.7
HVAC21SZG	SCHCZ13	RET	2_HV_TCtIszG	1	0.48	0.43	0.59
HVAC21SZG	SMOCZ13	RET	2_HV_TCtIszG	1	0.25	0.11	0.78
HVAC21SZG	WRHCZ13	RET	2_HV_TCtIszG	1	0.05	0.05	0.73
HVAC21SZE	COLCZ13	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	GRCCZ13	RET	2_HV_TCtIszE	1	0.02	0	1
HVAC21SZE	HLTCZ13	RET	2_HV_TCtIszE	1	0.05	0.05	1.76
HVAC21SZE	LDGCZ13	RET	2_HV_TCtIszE	1	0.1	0	3.56
HVAC21SZE	LGOCZ13	RET	2_HV_TCtIszE	1	0.04	0.04	0.99
HVAC21SZE	MSCCZ13	RET	2_HV_TCtIszE	1	0	0	0.86
HVAC21SZE	REFCZ13	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	RETCZ13	RET	2_HV_TCtIszE	1	0.03	0.02	0.47
HVAC21SZE	RSTCZ13	RET	2_HV_TCtIszE	1	0	0	0

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ13	RET	2_HV_TCtIszE	1	0.13	0.13	0.35
HVAC21SZE	SMOCZ13	RET	2_HV_TCtIszE	1	0.01	0.01	1.67
HVAC21SZE	WRHCZ13	RET	2_HV_TCtIszE	1	0	0	0
HVAC20E	COLCZ13	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ13	RET	2_HV_RfISngPane	1	0.03	0	47.63
HVAC20E	HLTCZ13	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	LDGCZ13	RET	2_HV_RfISngPane	1	0.02	0	53.91
HVAC20E	LGOCZ13	RET	2_HV_RfISngPane	1	0	0	152.09
HVAC20E	MSCCZ13	RET	2_HV_RfISngPane	1	0	0	31.62
HVAC20E	REFCZ13	RET	2_HV_RfISngPane	1	0.01	0	1.12
HVAC20E	RETCZ13	RET	2_HV_RfISngPane	1	0.05	0	15.15
HVAC20E	RSTCZ13	RET	2_HV_RfISngPane	1	0.03	0	160.2
HVAC20E	SCHCZ13	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SMOCZ13	RET	2_HV_RfISngPane	1	0.24	0	90.26
HVAC20E	WRHCZ13	RET	2_HV_RfISngPane	1	0	0	0
HVAC2	COLCZ13	ROB	1_HV_PACIt65	1	1	0.05	3.38
HVAC2	COLCZ13	ROB	2_HV_PACIt6513	2	1	0	3.38
HVAC2	COLCZ13	ROB	3_HV_PACIt6514	3	1	0	3.38
HVAC2	GRCCZ13	ROB	1_HV_PACIt65	1	1	0.23	3.73
HVAC2	GRCCZ13	ROB	2_HV_PACIt6513	2	1	0	3.73
HVAC2	GRCCZ13	ROB	3_HV_PACIt6514	3	1	0	3.73
HVAC2	HLTCZ13	ROB	1_HV_PACIt65	1	1	0.44	3
HVAC2	HLTCZ13	ROB	2_HV_PACIt6513	2	1	0	3
HVAC2	HLTCZ13	ROB	3_HV_PACIt6514	3	1	0	3
HVAC2	LDGCZ13	ROB	1_HV_PACIt65	1	1	0.32	2.32
HVAC2	LDGCZ13	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	LDGCZ13	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	LGOCZ13	ROB	1_HV_PACIt65	1	1	0.05	3.97
HVAC2	LGOCZ13	ROB	2_HV_PACIt6513	2	1	0	3.97
HVAC2	LGOCZ13	ROB	3_HV_PACIt6514	3	1	0	3.97
HVAC2	MSCCZ13	ROB	1_HV_PACIt65	1	1	0.05	2.48
HVAC2	MSCCZ13	ROB	2_HV_PACIt6513	2	1	0	2.48
HVAC2	MSCCZ13	ROB	3_HV_PACIt6514	3	1	0	2.48
HVAC2	REFCZ13	ROB	1_HV_PACIt65	1	1	0.03	3.83
HVAC2	REFCZ13	ROB	2_HV_PACIt6513	2	1	0	3.83

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ13	ROB	3_HV_PACIt6514	3	1	0	3.83
HVAC2	RETCZ13	ROB	1_HV_PACIt65	1	1	0.3	2.38
HVAC2	RETCZ13	ROB	2_HV_PACIt6513	2	1	0	2.38
HVAC2	RETCZ13	ROB	3_HV_PACIt6514	3	1	0	2.38
HVAC2	RSTCZ13	ROB	1_HV_PACIt65	1	1	0.67	3.87
HVAC2	RSTCZ13	ROB	2_HV_PACIt6513	2	1	0	3.87
HVAC2	RSTCZ13	ROB	3_HV_PACIt6514	3	1	0	3.87
HVAC2	SCHCZ13	ROB	1_HV_PACIt65	1	1	0.44	3.53
HVAC2	SCHCZ13	ROB	2_HV_PACIt6513	2	1	0	3.53
HVAC2	SCHCZ13	ROB	3_HV_PACIt6514	3	1	0	3.53
HVAC2	SMOCZ13	ROB	1_HV_PACIt65	1	1	0.64	3.57
HVAC2	SMOCZ13	ROB	2_HV_PACIt6513	2	1	0	3.57
HVAC2	SMOCZ13	ROB	3_HV_PACIt6514	3	1	0	3.57
HVAC2	WRHCZ13	ROB	1_HV_PACIt65	1	1	0.17	2.28
HVAC2	WRHCZ13	ROB	2_HV_PACIt6513	2	1	0	2.28
HVAC2	WRHCZ13	ROB	3_HV_PACIt6514	3	1	0	2.28
HVAC1A	COLCZ13	ROB	1_HV_RecChBase	1	1	0	3.38
HVAC1A	COLCZ13	ROB	2_HV_RecChHEff	2	1	0.04	3.38
HVAC1A	GRCCZ13	ROB	1_HV_RecChBase	1	1	0.09	3.73
HVAC1A	GRCCZ13	ROB	2_HV_RecChHEff	2	1	0	3.73
HVAC1A	HLTCZ13	ROB	1_HV_RecChBase	1	1	0.07	3
HVAC1A	HLTCZ13	ROB	2_HV_RecChHEff	2	1	0.01	3
HVAC1A	LDGCZ13	ROB	1_HV_RecChBase	1	1	0	2.32
HVAC1A	LDGCZ13	ROB	2_HV_RecChHEff	2	1	0.04	2.32
HVAC1A	LGOCZ13	ROB	1_HV_RecChBase	1	1	0.02	3.97
HVAC1A	LGOCZ13	ROB	2_HV_RecChHEff	2	1	0.01	3.97
HVAC1A	MSCCZ13	ROB	1_HV_RecChBase	1	1	0	2.48
HVAC1A	MSCCZ13	ROB	2_HV_RecChHEff	2	1	0	2.48
HVAC1A	REFCZ13	ROB	1_HV_RecChBase	1	1	0	3.83
HVAC1A	REFCZ13	ROB	2_HV_RecChHEff	2	1	0	3.83
HVAC1A	RETCZ13	ROB	1_HV_RecChBase	1	1	0	2.38
HVAC1A	RETCZ13	ROB	2_HV_RecChHEff	2	1	0.01	2.38
HVAC1A	RSTCZ13	ROB	1_HV_RecChBase	1	1	0	3.87
HVAC1A	RSTCZ13	ROB	2_HV_RecChHEff	2	1	0	3.87
HVAC1A	SCHCZ13	ROB	1_HV_RecChBase	1	1	0.02	3.53

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ13	ROB	2_HV_RecChHEff	2	1	0.02	3.53
HVAC1A	SMOCZ13	ROB	1_HV_RecChBase	1	1	0.01	3.57
HVAC1A	SMOCZ13	ROB	2_HV_RecChHEff	2	1	0	3.57
HVAC1A	WRHCZ13	ROB	1_HV_RecChBase	1	1	0	2.28
HVAC1A	WRHCZ13	ROB	2_HV_RecChHEff	2	1	0	2.28
HVAC19	COLCZ13	RET	2_HV_SpHtBITune	1	0.02	0	0.32
HVAC19	GRCCZ13	RET	2_HV_SpHtBITune	1	0.11	0	0.03
HVAC19	HLTCZ13	RET	2_HV_SpHtBITune	1	0.17	0	0.06
HVAC19	LDGCZ13	RET	2_HV_SpHtBITune	1	0.26	0	0.02
HVAC19	LGOCZ13	RET	2_HV_SpHtBITune	1	0.35	0	0.02
HVAC19	MSCCZ13	RET	2_HV_SpHtBITune	1	0.01	0	0.03
HVAC19	REFCZ13	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ13	RET	2_HV_SpHtBITune	1	0	0	0.03
HVAC19	RSTCZ13	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	SCHCZ13	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	SMOCZ13	RET	2_HV_SpHtBITune	1	0.01	0	0.12
HVAC19	WRHCZ13	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ13	ROB	1_HV_SpHtBIBase	1	1	0.73	76.83
HVAC18	COLCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	76.83
HVAC18	GRCCZ13	ROB	1_HV_SpHtBIBase	1	1	0.03	46.71
HVAC18	GRCCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	46.71
HVAC18	HLTCZ13	ROB	1_HV_SpHtBIBase	1	1	0.29	49.45
HVAC18	HLTCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	49.45
HVAC18	LDGCZ13	ROB	1_HV_SpHtBIBase	1	1	0.48	37.18
HVAC18	LDGCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	37.18
HVAC18	LGOCZ13	ROB	1_HV_SpHtBIBase	1	1	0.17	69.09
HVAC18	LGOCZ13	ROB	2_HV_SpHtBIHEff	2	1	0.13	69.09
HVAC18	MSCCZ13	ROB	1_HV_SpHtBIBase	1	1	0.01	44.99
HVAC18	MSCCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	44.99
HVAC18	REFCZ13	ROB	1_HV_SpHtBIBase	1	1	0	73.51
HVAC18	REFCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	73.51
HVAC18	RETCZ13	ROB	1_HV_SpHtBIBase	1	1	0	52.45
HVAC18	RETCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	52.45
HVAC18	RSTCZ13	ROB	1_HV_SpHtBIBase	1	1	0	67.85
HVAC18	RSTCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	67.85

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ13	ROB	1_HV_SpHtBIBase	1	1	0.19	69.83
HVAC18	SCHCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	69.83
HVAC18	SMOCZ13	ROB	1_HV_SpHtBIBase	1	1	0.01	63.43
HVAC18	SMOCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	63.43
HVAC18	WRHCZ13	ROB	1_HV_SpHtBIBase	1	1	0	22.47
HVAC18	WRHCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	22.47
HVAC15	COLCZ13	RET	2_HV_DXTuneUp	2	0.44	0.11	3.38
HVAC15	GRCCZ13	RET	2_HV_DXTuneUp	2	0.7	0.18	3.73
HVAC15	HLTCZ13	RET	2_HV_DXTuneUp	2	0.77	0.19	3
HVAC15	LDGCZ13	RET	2_HV_DXTuneUp	2	0.49	0.12	2.32
HVAC15	LGOCZ13	RET	2_HV_DXTuneUp	2	0.8	0.2	3.97
HVAC15	MSCCZ13	RET	2_HV_DXTuneUp	2	0.08	0.02	2.27
HVAC15	REFCZ13	RET	2_HV_DXTuneUp	2	0.09	0.02	3.83
HVAC15	RETCZ13	RET	2_HV_DXTuneUp	2	0.86	0.21	2.38
HVAC15	RSTCZ13	RET	2_HV_DXTuneUp	2	0.9	0.23	3.87
HVAC15	SCHCZ13	RET	2_HV_DXTuneUp	2	0.71	0.18	3.53
HVAC15	SMOCZ13	RET	2_HV_DXTuneUp	2	0.83	0.21	3.57
HVAC15	WRHCZ13	RET	2_HV_DXTuneUp	2	0.2	0.05	2.28
HVAC14	COLCZ13	RET	2_HV_CHTuneUp	2	0.32	0.08	3.38
HVAC14	GRCCZ13	RET	2_HV_CHTuneUp	2	0.03	0.01	3.73
HVAC14	HLTCZ13	RET	2_HV_CHTuneUp	2	0.22	0.05	3
HVAC14	LDGCZ13	RET	2_HV_CHTuneUp	2	0.47	0.12	2.32
HVAC14	LGOCZ13	RET	2_HV_CHTuneUp	2	0.15	0.04	3.97
HVAC14	MSCCZ13	RET	2_HV_CHTuneUp	2	0	0	2.27
HVAC14	REFCZ13	RET	2_HV_CHTuneUp	2	0	0	3.83
HVAC14	RETCZ13	RET	2_HV_CHTuneUp	2	0.03	0.01	2.38
HVAC14	RSTCZ13	RET	2_HV_CHTuneUp	2	0	0	3.87
HVAC14	SCHCZ13	RET	2_HV_CHTuneUp	2	0.16	0.04	3.53
HVAC14	SMOCZ13	RET	2_HV_CHTuneUp	2	0.01	0	3.57
HVAC14	WRHCZ13	RET	2_HV_CHTuneUp	2	0	0	2.28
HVAC13	COLCZ13	ROB	1_HV_PTUge24	1	1	0	3.38
HVAC13	COLCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.38
HVAC13	GRCCZ13	ROB	1_HV_PTUge24	1	1	0	3.73
HVAC13	GRCCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.73
HVAC13	HLTCZ13	ROB	1_HV_PTUge24	1	1	0	3

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ13	ROB	2_HV_PTUge24HE	2	1	0	3
HVAC13	LDGCZ13	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	LDGCZ13	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	LGOCZ13	ROB	1_HV_PTUge24	1	1	0	3.97
HVAC13	LGOCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.97
HVAC13	MSCCZ13	ROB	1_HV_PTUge24	1	1	0	2.48
HVAC13	MSCCZ13	ROB	2_HV_PTUge24HE	2	1	0	2.48
HVAC13	REFCZ13	ROB	1_HV_PTUge24	1	1	0	3.83
HVAC13	REFCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.83
HVAC13	RETCZ13	ROB	1_HV_PTUge24	1	1	0	2.38
HVAC13	RETCZ13	ROB	2_HV_PTUge24HE	2	1	0	2.38
HVAC13	RSTCZ13	ROB	1_HV_PTUge24	1	1	0	3.87
HVAC13	RSTCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.87
HVAC13	SCHCZ13	ROB	1_HV_PTUge24	1	1	0.04	3.53
HVAC13	SCHCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.53
HVAC13	SMOCZ13	ROB	1_HV_PTUge24	1	1	0	3.57
HVAC13	SMOCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.57
HVAC13	WRHCZ13	ROB	1_HV_PTUge24	1	1	0	2.28
HVAC13	WRHCZ13	ROB	2_HV_PTUge24HE	2	1	0	2.28
HVAC10	COLCZ13	ROB	1_HV_PTUit24	1	1	0	3.38
HVAC10	COLCZ13	ROB	2_HV_PTUit24HE	2	1	0	3.38
HVAC10	GRCCZ13	ROB	1_HV_PTUit24	1	1	0	3.73
HVAC10	GRCCZ13	ROB	2_HV_PTUit24HE	2	1	0	3.73
HVAC10	HLTCZ13	ROB	1_HV_PTUit24	1	1	0.01	3
HVAC10	HLTCZ13	ROB	2_HV_PTUit24HE	2	1	0	3
HVAC10	LDGCZ13	ROB	1_HV_PTUit24	1	1	0.22	2.32
HVAC10	LDGCZ13	ROB	2_HV_PTUit24HE	2	1	0	2.32
HVAC10	LGOCZ13	ROB	1_HV_PTUit24	1	1	0	3.97
HVAC10	LGOCZ13	ROB	2_HV_PTUit24HE	2	1	0	3.97
HVAC10	MSCCZ13	ROB	1_HV_PTUit24	1	1	0	2.48
HVAC10	MSCCZ13	ROB	2_HV_PTUit24HE	2	1	0	2.48
HVAC10	REFCZ13	ROB	1_HV_PTUit24	1	1	0	3.83
HVAC10	REFCZ13	ROB	2_HV_PTUit24HE	2	1	0	3.83
HVAC10	RETCZ13	ROB	1_HV_PTUit24	1	1	0	2.38
HVAC10	RETCZ13	ROB	2_HV_PTUit24HE	2	1	0	2.38

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ13	ROB	1_HV_PTUlt24	1	1	0	3.87
HVAC10	RSTCZ13	ROB	2_HV_PTUlt24HE	2	1	0	3.87
HVAC10	SCHCZ13	ROB	1_HV_PTUlt24	1	1	0	3.53
HVAC10	SCHCZ13	ROB	2_HV_PTUlt24HE	2	1	0	3.53
HVAC10	SMOCZ13	ROB	1_HV_PTUlt24	1	1	0	3.57
HVAC10	SMOCZ13	ROB	2_HV_PTUlt24HE	2	1	0	3.57
HVAC10	WRHCZ13	ROB	1_HV_PTUlt24	1	1	0	2.28
HVAC10	WRHCZ13	ROB	2_HV_PTUlt24HE	2	1	0	2.28
HVAC1	COLCZ13	ROB	1_HV_CentChBase	1	1	0.24	3.38
HVAC1	COLCZ13	ROB	2_HV_CentChHEff	2	1	0	3.38
HVAC1	GRCCZ13	ROB	1_HV_CentChBase	1	1	0	3.73
HVAC1	GRCCZ13	ROB	2_HV_CentChHEff	2	1	0	3.73
HVAC1	HLTCZ13	ROB	1_HV_CentChBase	1	1	0.18	3
HVAC1	HLTCZ13	ROB	2_HV_CentChHEff	2	1	0	3
HVAC1	LDGCZ13	ROB	1_HV_CentChBase	1	1	0.34	2.32
HVAC1	LDGCZ13	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	LGOCZ13	ROB	1_HV_CentChBase	1	1	0.09	3.97
HVAC1	LGOCZ13	ROB	2_HV_CentChHEff	2	1	0	3.97
HVAC1	MSCCZ13	ROB	1_HV_CentChBase	1	1	0	2.48
HVAC1	MSCCZ13	ROB	2_HV_CentChHEff	2	1	0	2.48
HVAC1	REFCZ13	ROB	1_HV_CentChBase	1	1	0	3.83
HVAC1	REFCZ13	ROB	2_HV_CentChHEff	2	1	0	3.83
HVAC1	RETCZ13	ROB	1_HV_CentChBase	1	1	0.03	2.38
HVAC1	RETCZ13	ROB	2_HV_CentChHEff	2	1	0	2.38
HVAC1	RSTCZ13	ROB	1_HV_CentChBase	1	1	0	3.87
HVAC1	RSTCZ13	ROB	2_HV_CentChHEff	2	1	0	3.87
HVAC1	SCHCZ13	ROB	1_HV_CentChBase	1	1	0.12	3.53
HVAC1	SCHCZ13	ROB	2_HV_CentChHEff	2	1	0	3.53
HVAC1	SMOCZ13	ROB	1_HV_CentChBase	1	1	0	3.57
HVAC1	SMOCZ13	ROB	2_HV_CentChHEff	2	1	0	3.57
HVAC1	WRHCZ13	ROB	1_HV_CentChBase	1	1	0	2.28
HVAC1	WRHCZ13	ROB	2_HV_CentChHEff	2	1	0	2.28



PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ16	ROB	1_HV_PACge65	1	1	0.11	3.27
HVAC3	COLCZ16	ROB	2_HV_PACge6513	2	1	0	3.27
HVAC3	COLCZ16	ROB	3_HV_PACge6514	3	1	0	3.27
HVAC3	GRCCZ16	ROB	1_HV_PACge65	1	1	0.28	2.32
HVAC3	GRCCZ16	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	GRCCZ16	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	HLTCZ16	ROB	1_HV_PACge65	1	1	0.15	2.87
HVAC3	HLTCZ16	ROB	2_HV_PACge6513	2	1	0	2.87
HVAC3	HLTCZ16	ROB	3_HV_PACge6514	3	1	0	2.87
HVAC3	LDGCZ16	ROB	1_HV_PACge65	1	1	0.02	2.27
HVAC3	LDGCZ16	ROB	2_HV_PACge6513	2	1	0	2.27
HVAC3	LDGCZ16	ROB	3_HV_PACge6514	3	1	0	2.27
HVAC3	LGOCZ16	ROB	1_HV_PACge65	1	1	0.3	2.83
HVAC3	LGOCZ16	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	LGOCZ16	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	MSCCZ16	ROB	1_HV_PACge65	1	1	0.18	3.04
HVAC3	MSCCZ16	ROB	2_HV_PACge6513	2	1	0	3.04
HVAC3	MSCCZ16	ROB	3_HV_PACge6514	3	1	0	3.04
HVAC3	REFCZ16	ROB	1_HV_PACge65	1	1	0.08	2.99
HVAC3	REFCZ16	ROB	2_HV_PACge6513	2	1	0	2.99
HVAC3	REFCZ16	ROB	3_HV_PACge6514	3	1	0	2.99
HVAC3	RETCZ16	ROB	1_HV_PACge65	1	1	0.3	2.8
HVAC3	RETCZ16	ROB	2_HV_PACge6513	2	1	0	2.8
HVAC3	RETCZ16	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC3	RSTCZ16	ROB	1_HV_PACge65	1	1	0.2	4.05
HVAC3	RSTCZ16	ROB	2_HV_PACge6513	2	1	0	4.05
HVAC3	RSTCZ16	ROB	3_HV_PACge6514	3	1	0	4.05
HVAC3	SCHCZ16	ROB	1_HV_PACge65	1	1	0.15	3.63
HVAC3	SCHCZ16	ROB	2_HV_PACge6513	2	1	0	3.63
HVAC3	SCHCZ16	ROB	3_HV_PACge6514	3	1	0	3.63
HVAC3	SMOCZ16	ROB	1_HV_PACge65	1	1	0.32	3.23
HVAC3	SMOCZ16	ROB	2_HV_PACge6513	2	1	0	3.23
HVAC3	SMOCZ16	ROB	3_HV_PACge6514	3	1	0	3.23
HVAC3	WRHCZ16	ROB	1_HV_PACge65	1	1	0.08	2.53
HVAC3	WRHCZ16	ROB	2_HV_PACge6513	2	1	0	2.53

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ16	ROB	3_HV_PACge6514	3	1	0	2.53
HVAC29	COLCZ16	RET	2_HV_BPipelns	1	0.56	0.06	0.04
HVAC29	GRCCZ16	RET	2_HV_BPipelns	1	0	0	0
HVAC29	HLTCZ16	RET	2_HV_BPipelns	1	0.61	0.07	0.05
HVAC29	LDGCZ16	RET	2_HV_BPipelns	1	0.75	0.05	0.08
HVAC29	LGOCZ16	RET	2_HV_BPipelns	1	0.76	0.06	0.03
HVAC29	MSCCZ16	RET	2_HV_BPipelns	1	0.28	0.03	0.12
HVAC29	REFCZ16	RET	2_HV_BPipelns	1	0.59	0	0.02
HVAC29	RETCZ16	RET	2_HV_BPipelns	1	0.08	0	0.03
HVAC29	RSTCZ16	RET	2_HV_BPipelns	1	0.12	0.01	0.36
HVAC29	SCHCZ16	RET	2_HV_BPipelns	1	0.38	0.01	0.06
HVAC29	SMOCZ16	RET	2_HV_BPipelns	1	0.05	0	0.21
HVAC29	WRHCZ16	RET	2_HV_BPipelns	1	0.05	0	0.06
HVAC24	COLCZ16	RET	2_HV_ChilPmpVFD	1	0.32	0.01	0.12
HVAC24	GRCCZ16	RET	2_HV_ChilPmpVFD	1	0.04	0	0.04
HVAC24	HLTCZ16	RET	2_HV_ChilPmpVFD	1	0.44	0.15	0.27
HVAC24	LDGCZ16	RET	2_HV_ChilPmpVFD	1	0.28	0.06	0.07
HVAC24	LGOCZ16	RET	2_HV_ChilPmpVFD	1	0.66	0.14	0.22
HVAC24	MSCCZ16	RET	2_HV_ChilPmpVFD	1	0.07	0.03	0.25
HVAC24	REFCZ16	RET	2_HV_ChilPmpVFD	1	0.42	0	0.02
HVAC24	RETCZ16	RET	2_HV_ChilPmpVFD	1	0.09	0	0.17
HVAC24	RSTCZ16	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ16	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SMOCZ16	RET	2_HV_ChilPmpVFD	1	0.05	0	0.16
HVAC24	WRHCZ16	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ16	RET	2_HV_VAV	1	0.48	0.01	0.96
HVAC23	GRCCZ16	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ16	RET	2_HV_VAV	1	0.4	0.13	0.99
HVAC23	LDGCZ16	RET	2_HV_VAV	1	0.18	0.06	0.34
HVAC23	LGOCZ16	RET	2_HV_VAV	1	0.69	0.39	1.04
HVAC23	MSCCZ16	RET	2_HV_VAV	1	0.05	0.01	1.51
HVAC23	REFCZ16	RET	2_HV_VAV	1	0.11	0	0.04
HVAC23	RETCZ16	RET	2_HV_VAV	1	0.02	0.02	1.38
HVAC23	RSTCZ16	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ16	RET	2_HV_VAV	1	0	0	0

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ16	RET	2_HV_VAV	1	0.05	0	1.26
HVAC23	WRHCZ16	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ16	RET	2_HV_CoolRoof	1	0.78	0	241.06
HVAC22	GRCCZ16	RET	2_HV_CoolRoof	1	0.26	0	979.73
HVAC22	HLTCZ16	RET	2_HV_CoolRoof	1	0.37	0.01	417.87
HVAC22	LDGCZ16	RET	2_HV_CoolRoof	1	0.32	0	236.07
HVAC22	LGOCZ16	RET	2_HV_CoolRoof	1	0.3	0.01	434.35
HVAC22	MSCCZ16	RET	2_HV_CoolRoof	1	0.23	0	631.84
HVAC22	REFCZ16	RET	2_HV_CoolRoof	1	0.35	0	787.51
HVAC22	RETCZ16	RET	2_HV_CoolRoof	1	0.33	0.07	811.23
HVAC22	RSTCZ16	RET	2_HV_CoolRoof	1	0.13	0	985.43
HVAC22	SCHCZ16	RET	2_HV_CoolRoof	1	0.23	0	412.32
HVAC22	SMOCZ16	RET	2_HV_CoolRoof	1	0.69	0	706.33
HVAC22	WRHCZ16	RET	2_HV_CoolRoof	1	0.5	0.04	749.05
HVAC21SZG	COLCZ16	RET	2_HV_TCtIszG	1	0.11	0.05	0.15
HVAC21SZG	GRCCZ16	RET	2_HV_TCtIszG	1	0.12	0.11	0.25
HVAC21SZG	HLTCZ16	RET	2_HV_TCtIszG	1	0.28	0.17	1.12
HVAC21SZG	LDGCZ16	RET	2_HV_TCtIszG	1	0.08	0.05	1.27
HVAC21SZG	LGOCZ16	RET	2_HV_TCtIszG	1	0.07	0.06	0.39
HVAC21SZG	MSCCZ16	RET	2_HV_TCtIszG	1	0.16	0.05	0.49
HVAC21SZG	REFCZ16	RET	2_HV_TCtIszG	1	0.05	0.04	0.04
HVAC21SZG	RETCZ16	RET	2_HV_TCtIszG	1	0.15	0.1	0.27
HVAC21SZG	RSTCZ16	RET	2_HV_TCtIszG	1	0.19	0.08	0.79
HVAC21SZG	SCHCZ16	RET	2_HV_TCtIszG	1	0.34	0.11	0.65
HVAC21SZG	SMOCZ16	RET	2_HV_TCtIszG	1	0.28	0	0.38
HVAC21SZG	WRHCZ16	RET	2_HV_TCtIszG	1	0.05	0.04	0.42
HVAC21SZE	COLCZ16	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	GRCCZ16	RET	2_HV_TCtIszE	1	0.01	0	1.38
HVAC21SZE	HLTCZ16	RET	2_HV_TCtIszE	1	0.07	0.06	0.59
HVAC21SZE	LDGCZ16	RET	2_HV_TCtIszE	1	0.22	0	2.15
HVAC21SZE	LGOCZ16	RET	2_HV_TCtIszE	1	0.03	0.03	0.32
HVAC21SZE	MSCCZ16	RET	2_HV_TCtIszE	1	0.02	0.01	1.22
HVAC21SZE	REFCZ16	RET	2_HV_TCtIszE	1	0.01	0	3.58
HVAC21SZE	RETCZ16	RET	2_HV_TCtIszE	1	0.11	0.02	0.69
HVAC21SZE	RSTCZ16	RET	2_HV_TCtIszE	1	0.03	0	1.11

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 16

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HVAC21SZE	SCHCZ16	RET	2_HV_TCtIszE	1	0.03	0.02	1.21
HVAC21SZE	SMOCZ16	RET	2_HV_TCtIszE	1	0.07	0.07	0.7
HVAC21SZE	WRHCZ16	RET	2_HV_TCtIszE	1	0	0	1.69
HVAC20E	COLCZ16	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ16	RET	2_HV_RfISngPane	1	0.02	0	202.2
HVAC20E	HLTCZ16	RET	2_HV_RfISngPane	1	0.03	0.01	464.06
HVAC20E	LDGCZ16	RET	2_HV_RfISngPane	1	0.08	0	58.85
HVAC20E	LGOCZ16	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	MSCCZ16	RET	2_HV_RfISngPane	1	0.01	0	36.04
HVAC20E	REFCZ16	RET	2_HV_RfISngPane	1	0.15	0	10.73
HVAC20E	RETCZ16	RET	2_HV_RfISngPane	1	0.06	0	45.3
HVAC20E	RSTCZ16	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SCHCZ16	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SMOCZ16	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	WRHCZ16	RET	2_HV_RfISngPane	1	0	0	9.37
HVAC2	COLCZ16	ROB	1_HV_PACIt65	1	1	0.54	3.27
HVAC2	COLCZ16	ROB	2_HV_PACIt6513	2	1	0	3.27
HVAC2	COLCZ16	ROB	3_HV_PACIt6514	3	1	0	3.27
HVAC2	GRCCZ16	ROB	1_HV_PACIt65	1	1	0.16	2.32
HVAC2	GRCCZ16	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	GRCCZ16	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	HLTCZ16	ROB	1_HV_PACIt65	1	1	0.27	2.87
HVAC2	HLTCZ16	ROB	2_HV_PACIt6513	2	1	0	2.87
HVAC2	HLTCZ16	ROB	3_HV_PACIt6514	3	1	0	2.87
HVAC2	LDGCZ16	ROB	1_HV_PACIt65	1	1	0.4	2.27
HVAC2	LDGCZ16	ROB	2_HV_PACIt6513	2	1	0	2.27
HVAC2	LDGCZ16	ROB	3_HV_PACIt6514	3	1	0	2.27
HVAC2	LGOCZ16	ROB	1_HV_PACIt65	1	1	0.07	2.83
HVAC2	LGOCZ16	ROB	2_HV_PACIt6513	2	1	0	2.83
HVAC2	LGOCZ16	ROB	3_HV_PACIt6514	3	1	0	2.83
HVAC2	MSCCZ16	ROB	1_HV_PACIt65	1	1	0.12	3.04
HVAC2	MSCCZ16	ROB	2_HV_PACIt6513	2	1	0	3.04
HVAC2	MSCCZ16	ROB	3_HV_PACIt6514	3	1	0	3.04
HVAC2	REFCZ16	ROB	1_HV_PACIt65	1	1	0.03	2.99
HVAC2	REFCZ16	ROB	2_HV_PACIt6513	2	1	0	2.99

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ16	ROB	3_HV_PACIt6514	3	1	0	2.99
HVAC2	RETCZ16	ROB	1_HV_PACIt65	1	1	0.2	2.8
HVAC2	RETCZ16	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	RETCZ16	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC2	RSTCZ16	ROB	1_HV_PACIt65	1	1	0.17	4.05
HVAC2	RSTCZ16	ROB	2_HV_PACIt6513	2	1	0	4.05
HVAC2	RSTCZ16	ROB	3_HV_PACIt6514	3	1	0	4.05
HVAC2	SCHCZ16	ROB	1_HV_PACIt65	1	1	0.32	3.63
HVAC2	SCHCZ16	ROB	2_HV_PACIt6513	2	1	0	3.63
HVAC2	SCHCZ16	ROB	3_HV_PACIt6514	3	1	0	3.63
HVAC2	SMOCZ16	ROB	1_HV_PACIt65	1	1	0.6	3.23
HVAC2	SMOCZ16	ROB	2_HV_PACIt6513	2	1	0	3.23
HVAC2	SMOCZ16	ROB	3_HV_PACIt6514	3	1	0	3.23
HVAC2	WRHCZ16	ROB	1_HV_PACIt65	1	1	0.08	2.53
HVAC2	WRHCZ16	ROB	2_HV_PACIt6513	2	1	0	2.53
HVAC2	WRHCZ16	ROB	3_HV_PACIt6514	3	1	0	2.53
HVAC1A	COLCZ16	ROB	1_HV_RecChBase	1	1	0.06	3.27
HVAC1A	COLCZ16	ROB	2_HV_RecChHEff	2	1	0.01	3.27
HVAC1A	GRCCZ16	ROB	1_HV_RecChBase	1	1	0.06	2.32
HVAC1A	GRCCZ16	ROB	2_HV_RecChHEff	2	1	0	2.32
HVAC1A	HLTCZ16	ROB	1_HV_RecChBase	1	1	0.05	2.87
HVAC1A	HLTCZ16	ROB	2_HV_RecChHEff	2	1	0.07	2.87
HVAC1A	LDGCZ16	ROB	1_HV_RecChBase	1	1	0.04	2.27
HVAC1A	LDGCZ16	ROB	2_HV_RecChHEff	2	1	0.01	2.27
HVAC1A	LGOCZ16	ROB	1_HV_RecChBase	1	1	0.1	2.83
HVAC1A	LGOCZ16	ROB	2_HV_RecChHEff	2	1	0.08	2.83
HVAC1A	MSCCZ16	ROB	1_HV_RecChBase	1	1	0.01	3.04
HVAC1A	MSCCZ16	ROB	2_HV_RecChHEff	2	1	0	3.04
HVAC1A	REFCZ16	ROB	1_HV_RecChBase	1	1	0.01	2.99
HVAC1A	REFCZ16	ROB	2_HV_RecChHEff	2	1	0	2.99
HVAC1A	RETCZ16	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	RETCZ16	ROB	2_HV_RecChHEff	2	1	0.01	2.8
HVAC1A	RSTCZ16	ROB	1_HV_RecChBase	1	1	0	4.05
HVAC1A	RSTCZ16	ROB	2_HV_RecChHEff	2	1	0	4.05
HVAC1A	SCHCZ16	ROB	1_HV_RecChBase	1	1	0	3.63

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ16	ROB	2_HV_RecChHEff	2	1	0	3.63
HVAC1A	SMOCZ16	ROB	1_HV_RecChBase	1	1	0.03	3.23
HVAC1A	SMOCZ16	ROB	2_HV_RecChHEff	2	1	0	3.23
HVAC1A	WRHCZ16	ROB	1_HV_RecChBase	1	1	0	2.53
HVAC1A	WRHCZ16	ROB	2_HV_RecChHEff	2	1	0	2.53
HVAC19	COLCZ16	RET	2_HV_SpHtBITune	1	0.3	0	0.02
HVAC19	GRCCZ16	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ16	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	LDGCZ16	RET	2_HV_SpHtBITune	1	0.37	0	0.01
HVAC19	LGOCZ16	RET	2_HV_SpHtBITune	1	0.55	0	0.01
HVAC19	MSCCZ16	RET	2_HV_SpHtBITune	1	0.11	0	0.05
HVAC19	REFCZ16	RET	2_HV_SpHtBITune	1	0.17	0	0
HVAC19	RETCZ16	RET	2_HV_SpHtBITune	1	0.06	0	0.01
HVAC19	RSTCZ16	RET	2_HV_SpHtBITune	1	0.06	0	0.28
HVAC19	SCHCZ16	RET	2_HV_SpHtBITune	1	0.04	0	0.07
HVAC19	SMOCZ16	RET	2_HV_SpHtBITune	1	0.05	0	0.1
HVAC19	WRHCZ16	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ16	ROB	1_HV_SpHtBIBase	1	1	0.21	50.63
HVAC18	COLCZ16	ROB	2_HV_SpHtBIHEff	2	1	0.18	50.63
HVAC18	GRCCZ16	ROB	1_HV_SpHtBIBase	1	1	0	36.23
HVAC18	GRCCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	36.23
HVAC18	HLTCZ16	ROB	1_HV_SpHtBIBase	1	1	0.48	55.54
HVAC18	HLTCZ16	ROB	2_HV_SpHtBIHEff	2	1	0.03	55.54
HVAC18	LDGCZ16	ROB	1_HV_SpHtBIBase	1	1	0.11	47.44
HVAC18	LDGCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	47.44
HVAC18	LGOCZ16	ROB	1_HV_SpHtBIBase	1	1	0.58	35.92
HVAC18	LGOCZ16	ROB	2_HV_SpHtBIHEff	2	1	0.05	35.92
HVAC18	MSCCZ16	ROB	1_HV_SpHtBIBase	1	1	0.1	54.67
HVAC18	MSCCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	54.67
HVAC18	REFCZ16	ROB	1_HV_SpHtBIBase	1	1	0.02	38.42
HVAC18	REFCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	38.42
HVAC18	RETCZ16	ROB	1_HV_SpHtBIBase	1	1	0.03	40.77
HVAC18	RETCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	40.77
HVAC18	RSTCZ16	ROB	1_HV_SpHtBIBase	1	1	0.04	56.57
HVAC18	RSTCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	56.57

PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 16

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HVAC18	SCHCZ16	ROB	1_HV_SpHtBIBase	1	1	0.14	75.55
HVAC18	SCHCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	75.55
HVAC18	SMOCZ16	ROB	1_HV_SpHtBIBase	1	1	0.04	71.33
HVAC18	SMOCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	71.33
HVAC18	WRHCZ16	ROB	1_HV_SpHtBIBase	1	1	0	28.62
HVAC18	WRHCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	28.62
HVAC15	COLCZ16	RET	2_HV_DXTuneUp	2	0.49	0.12	3.27
HVAC15	GRCCZ16	RET	2_HV_DXTuneUp	2	0.56	0.14	2.32
HVAC15	HLTCZ16	RET	2_HV_DXTuneUp	2	0.43	0.11	2.87
HVAC15	LDGCZ16	RET	2_HV_DXTuneUp	2	0.45	0.11	2.27
HVAC15	LGOCZ16	RET	2_HV_DXTuneUp	2	0.29	0.07	2.83
HVAC15	MSCCZ16	RET	2_HV_DXTuneUp	2	0.35	0.09	3.04
HVAC15	REFCZ16	RET	2_HV_DXTuneUp	2	0.1	0.03	2.99
HVAC15	RETCZ16	RET	2_HV_DXTuneUp	2	0.51	0.13	2.8
HVAC15	RSTCZ16	RET	2_HV_DXTuneUp	2	0.41	0.1	4.05
HVAC15	SCHCZ16	RET	2_HV_DXTuneUp	2	0.47	0.12	3.63
HVAC15	SMOCZ16	RET	2_HV_DXTuneUp	2	0.91	0.23	3.23
HVAC15	WRHCZ16	RET	2_HV_DXTuneUp	2	0.16	0.04	2.53
HVAC14	COLCZ16	RET	2_HV_CHTuneUp	2	0.3	0.07	3.27
HVAC14	GRCCZ16	RET	2_HV_CHTuneUp	2	0.03	0.01	2.32
HVAC14	HLTCZ16	RET	2_HV_CHTuneUp	2	0.36	0.09	2.87
HVAC14	LDGCZ16	RET	2_HV_CHTuneUp	2	0.14	0.04	2.27
HVAC14	LGOCZ16	RET	2_HV_CHTuneUp	2	0.58	0.14	2.83
HVAC14	MSCCZ16	RET	2_HV_CHTuneUp	2	0.02	0	3.04
HVAC14	REFCZ16	RET	2_HV_CHTuneUp	2	0.01	0	2.99
HVAC14	RETCZ16	RET	2_HV_CHTuneUp	2	0.06	0.02	2.8
HVAC14	RSTCZ16	RET	2_HV_CHTuneUp	2	0	0	4.05
HVAC14	SCHCZ16	RET	2_HV_CHTuneUp	2	0	0	3.63
HVAC14	SMOCZ16	RET	2_HV_CHTuneUp	2	0.04	0.01	3.23
HVAC14	WRHCZ16	RET	2_HV_CHTuneUp	2	0	0	2.53
HVAC13	COLCZ16	ROB	1_HV_PTUge24	1	1	0	3.27
HVAC13	COLCZ16	ROB	2_HV_PTUge24HE	2	1	0	3.27
HVAC13	GRCCZ16	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	GRCCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	HLTCZ16	ROB	1_HV_PTUge24	1	1	0	2.87

PG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.87
HVAC13	LDGCZ16	ROB	1_HV_PTUge24	1	1	0	2.27
HVAC13	LDGCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.27
HVAC13	LGOCZ16	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	LGOCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	MSCCZ16	ROB	1_HV_PTUge24	1	1	0	3.04
HVAC13	MSCCZ16	ROB	2_HV_PTUge24HE	2	1	0	3.04
HVAC13	REFCZ16	ROB	1_HV_PTUge24	1	1	0	2.99
HVAC13	REFCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.99
HVAC13	RETCZ16	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	RETCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC13	RSTCZ16	ROB	1_HV_PTUge24	1	1	0.02	4.05
HVAC13	RSTCZ16	ROB	2_HV_PTUge24HE	2	1	0	4.05
HVAC13	SCHCZ16	ROB	1_HV_PTUge24	1	1	0	3.63
HVAC13	SCHCZ16	ROB	2_HV_PTUge24HE	2	1	0	3.63
HVAC13	SMOCZ16	ROB	1_HV_PTUge24	1	1	0	3.23
HVAC13	SMOCZ16	ROB	2_HV_PTUge24HE	2	1	0	3.23
HVAC13	WRHCZ16	ROB	1_HV_PTUge24	1	1	0	2.53
HVAC13	WRHCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.53
HVAC10	COLCZ16	ROB	1_HV_PTUIt24	1	1	0	3.27
HVAC10	COLCZ16	ROB	2_HV_PTUIt24HE	2	1	0	3.27
HVAC10	GRCCZ16	ROB	1_HV_PTUIt24	1	1	0	2.32
HVAC10	GRCCZ16	ROB	2_HV_PTUIt24HE	2	1	0	2.32
HVAC10	HLTCZ16	ROB	1_HV_PTUIt24	1	1	0.01	2.87
HVAC10	HLTCZ16	ROB	2_HV_PTUIt24HE	2	1	0	2.87
HVAC10	LDGCZ16	ROB	1_HV_PTUIt24	1	1	0.15	2.27
HVAC10	LDGCZ16	ROB	2_HV_PTUIt24HE	2	1	0	2.27
HVAC10	LGOCZ16	ROB	1_HV_PTUIt24	1	1	0	2.83
HVAC10	LGOCZ16	ROB	2_HV_PTUIt24HE	2	1	0	2.83
HVAC10	MSCCZ16	ROB	1_HV_PTUIt24	1	1	0.01	3.04
HVAC10	MSCCZ16	ROB	2_HV_PTUIt24HE	2	1	0	3.04
HVAC10	REFCZ16	ROB	1_HV_PTUIt24	1	1	0	2.99
HVAC10	REFCZ16	ROB	2_HV_PTUIt24HE	2	1	0	2.99
HVAC10	RETCZ16	ROB	1_HV_PTUIt24	1	1	0.02	2.8
HVAC10	RETCZ16	ROB	2_HV_PTUIt24HE	2	1	0	2.8



PG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ16	ROB	1_HV_PTUlt24	1	1	0	4.05
HVAC10	RSTCZ16	ROB	2_HV_PTUlt24HE	2	1	0	4.05
HVAC10	SCHCZ16	ROB	1_HV_PTUlt24	1	1	0	3.63
HVAC10	SCHCZ16	ROB	2_HV_PTUlt24HE	2	1	0	3.63
HVAC10	SMOCZ16	ROB	1_HV_PTUlt24	1	1	0	3.23
HVAC10	SMOCZ16	ROB	2_HV_PTUlt24HE	2	1	0	3.23
HVAC10	WRHCZ16	ROB	1_HV_PTUlt24	1	1	0	2.53
HVAC10	WRHCZ16	ROB	2_HV_PTUlt24HE	2	1	0	2.53
HVAC1	COLCZ16	ROB	1_HV_CentChBase	1	1	0.07	3.27
HVAC1	COLCZ16	ROB	2_HV_CentChHEff	2	1	0	3.27
HVAC1	GRCCZ16	ROB	1_HV_CentChBase	1	1	0	2.32
HVAC1	GRCCZ16	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	HLTCZ16	ROB	1_HV_CentChBase	1	1	0.28	2.87
HVAC1	HLTCZ16	ROB	2_HV_CentChHEff	2	1	0	2.87
HVAC1	LDGCZ16	ROB	1_HV_CentChBase	1	1	0.05	2.27
HVAC1	LDGCZ16	ROB	2_HV_CentChHEff	2	1	0	2.27
HVAC1	LGOZ16	ROB	1_HV_CentChBase	1	1	0.34	2.83
HVAC1	LGOZ16	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	MSCCZ16	ROB	1_HV_CentChBase	1	1	0.04	3.04
HVAC1	MSCCZ16	ROB	2_HV_CentChHEff	2	1	0	3.04
HVAC1	REFCZ16	ROB	1_HV_CentChBase	1	1	0	2.99
HVAC1	REFCZ16	ROB	2_HV_CentChHEff	2	1	0	2.99
HVAC1	RETCZ16	ROB	1_HV_CentChBase	1	1	0.05	2.8
HVAC1	RETCZ16	ROB	2_HV_CentChHEff	2	1	0	2.8
HVAC1	RSTCZ16	ROB	1_HV_CentChBase	1	1	0	4.05
HVAC1	RSTCZ16	ROB	2_HV_CentChHEff	2	1	0	4.05
HVAC1	SCHCZ16	ROB	1_HV_CentChBase	1	1	0	3.63
HVAC1	SCHCZ16	ROB	2_HV_CentChHEff	2	1	0	3.63
HVAC1	SMOCZ16	ROB	1_HV_CentChBase	1	1	0	3.23
HVAC1	SMOCZ16	ROB	2_HV_CentChHEff	2	1	0	3.23
HVAC1	WRHCZ16	ROB	1_HV_CentChBase	1	1	0	2.53
HVAC1	WRHCZ16	ROB	2_HV_CentChHEff	2	1	0	2.53

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ06	ROB	1_HV_PACge65	1	1	0.1	2.29
HVAC3	COLCZ06	ROB	2_HV_PACge6513	2	1	0	2.29
HVAC3	COLCZ06	ROB	3_HV_PACge6514	3	1	0	2.29
HVAC3	GRCCZ06	ROB	1_HV_PACge65	1	1	0.33	2.32
HVAC3	GRCCZ06	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	GRCCZ06	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	HLTCZ06	ROB	1_HV_PACge65	1	1	0.3	2.67
HVAC3	HLTCZ06	ROB	2_HV_PACge6513	2	1	0	2.67
HVAC3	HLTCZ06	ROB	3_HV_PACge6514	3	1	0	2.67
HVAC3	LDGCZ06	ROB	1_HV_PACge65	1	1	0.05	2.38
HVAC3	LDGCZ06	ROB	2_HV_PACge6513	2	1	0	2.38
HVAC3	LDGCZ06	ROB	3_HV_PACge6514	3	1	0	2.38
HVAC3	LGOZ06	ROB	1_HV_PACge65	1	1	0.41	2.61
HVAC3	LGOZ06	ROB	2_HV_PACge6513	2	1	0	2.61
HVAC3	LGOZ06	ROB	3_HV_PACge6514	3	1	0	2.61
HVAC3	MSCCZ06	ROB	1_HV_PACge65	1	1	0.12	2.71
HVAC3	MSCCZ06	ROB	2_HV_PACge6513	2	1	0	2.71
HVAC3	MSCCZ06	ROB	3_HV_PACge6514	3	1	0	2.71
HVAC3	REFCZ06	ROB	1_HV_PACge65	1	1	0	2.38
HVAC3	REFCZ06	ROB	2_HV_PACge6513	2	1	0	2.38
HVAC3	REFCZ06	ROB	3_HV_PACge6514	3	1	0	2.38
HVAC3	RETCZ06	ROB	1_HV_PACge65	1	1	0.36	2.5
HVAC3	RETCZ06	ROB	2_HV_PACge6513	2	1	0	2.5
HVAC3	RETCZ06	ROB	3_HV_PACge6514	3	1	0	2.5
HVAC3	RSTCZ06	ROB	1_HV_PACge65	1	1	0.25	4.57
HVAC3	RSTCZ06	ROB	2_HV_PACge6513	2	1	0	4.57
HVAC3	RSTCZ06	ROB	3_HV_PACge6514	3	1	0	4.57
HVAC3	SCHCZ06	ROB	1_HV_PACge65	1	1	0.29	3.4
HVAC3	SCHCZ06	ROB	2_HV_PACge6513	2	1	0	3.4
HVAC3	SCHCZ06	ROB	3_HV_PACge6514	3	1	0	3.4
HVAC3	SMOCZ06	ROB	1_HV_PACge65	1	1	0.16	3.2
HVAC3	SMOCZ06	ROB	2_HV_PACge6513	2	1	0	3.2
HVAC3	SMOCZ06	ROB	3_HV_PACge6514	3	1	0	3.2
HVAC3	WRHCZ06	ROB	1_HV_PACge65	1	1	0.1	3.33
HVAC3	WRHCZ06	ROB	2_HV_PACge6513	2	1	0	3.33

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ06	ROB	3_HV_PACge6514	3	1	0	3.33
HVAC24	COLCZ06	RET	2_HV_ChilPmpVFD	1	0.76	0	0.02
HVAC24	GRCCZ06	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	HLTCZ06	RET	2_HV_ChilPmpVFD	1	0.31	0	0.22
HVAC24	LDGCZ06	RET	2_HV_ChilPmpVFD	1	0.41	0.03	0.13
HVAC24	LGOCZ06	RET	2_HV_ChilPmpVFD	1	0.42	0.1	0.25
HVAC24	MSCCZ06	RET	2_HV_ChilPmpVFD	1	0.04	0	0.23
HVAC24	REFCZ06	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ06	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RSTCZ06	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ06	RET	2_HV_ChilPmpVFD	1	0.16	0	0.08
HVAC24	SMOCZ06	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	WRHCZ06	RET	2_HV_ChilPmpVFD	1	0.17	0	0.09
HVAC23	COLCZ06	RET	2_HV_VAV	1	0.76	0	0.22
HVAC23	GRCCZ06	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ06	RET	2_HV_VAV	1	0.19	0.03	1.01
HVAC23	LDGCZ06	RET	2_HV_VAV	1	0.16	0.06	0.41
HVAC23	LGOCZ06	RET	2_HV_VAV	1	0.49	0.3	1.43
HVAC23	MSCCZ06	RET	2_HV_VAV	1	0	0	3.37
HVAC23	REFCZ06	RET	2_HV_VAV	1	0	0	0
HVAC23	RETCZ06	RET	2_HV_VAV	1	0.02	0	1.12
HVAC23	RSTCZ06	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ06	RET	2_HV_VAV	1	0.01	0.01	0.27
HVAC23	SMOCZ06	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ06	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ06	RET	2_HV_CoolRoof	1	0	0	0
HVAC22	GRCCZ06	RET	2_HV_CoolRoof	1	0.16	0	1000
HVAC22	HLTCZ06	RET	2_HV_CoolRoof	1	0.26	0	832.91
HVAC22	LDGCZ06	RET	2_HV_CoolRoof	1	0.21	0	273.74
HVAC22	LGOCZ06	RET	2_HV_CoolRoof	1	0.16	0	354.76
HVAC22	MSCCZ06	RET	2_HV_CoolRoof	1	0.06	0	486.77
HVAC22	REFCZ06	RET	2_HV_CoolRoof	1	0	0	0
HVAC22	RETCZ06	RET	2_HV_CoolRoof	1	0.1	0.03	656.45
HVAC22	RSTCZ06	RET	2_HV_CoolRoof	1	0.01	0	1000
HVAC22	SCHCZ06	RET	2_HV_CoolRoof	1	0.2	0	699.27

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC22	SMOCZ06	RET	2_HV_CoolRoof	1	0.07	0	1000
HVAC22	WRHCZ06	RET	2_HV_CoolRoof	1	0.15	0	1000
HVAC21SZE	COLCZ06	RET	2_HV_TCtIszE	1	0.1	0.1	0.5
HVAC21SZE	GRCCZ06	RET	2_HV_TCtIszE	1	0.01	0.01	1.2
HVAC21SZE	HLTCZ06	RET	2_HV_TCtIszE	1	0.03	0	0.59
HVAC21SZE	LDGCZ06	RET	2_HV_TCtIszE	1	0.22	0	1.6
HVAC21SZE	LGOCZ06	RET	2_HV_TCtIszE	1	0.07	0.01	0.65
HVAC21SZE	MSCCZ06	RET	2_HV_TCtIszE	1	0.05	0.01	0.73
HVAC21SZE	REFCZ06	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	RETCZ06	RET	2_HV_TCtIszE	1	0.06	0	1.17
HVAC21SZE	RSTCZ06	RET	2_HV_TCtIszE	1	0.24	0.13	0.82
HVAC21SZE	SCHCZ06	RET	2_HV_TCtIszE	1	0.17	0.08	0.62
HVAC21SZE	SMOCZ06	RET	2_HV_TCtIszE	1	0.15	0.04	0.9
HVAC21SZE	WRHCZ06	RET	2_HV_TCtIszE	1	0	0	1.05
HVAC20E	COLCZ06	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	GRCCZ06	RET	2_HV_RflSngPane	1	0.01	0	67.08
HVAC20E	HLTCZ06	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	LDGCZ06	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	LGOCZ06	RET	2_HV_RflSngPane	1	0.04	0.02	74.28
HVAC20E	MSCCZ06	RET	2_HV_RflSngPane	1	0.02	0.01	63.72
HVAC20E	REFCZ06	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	RETCZ06	RET	2_HV_RflSngPane	1	0.22	0	17.87
HVAC20E	RSTCZ06	RET	2_HV_RflSngPane	1	0.15	0	47.89
HVAC20E	SCHCZ06	RET	2_HV_RflSngPane	1	0.05	0	32.57
HVAC20E	SMOCZ06	RET	2_HV_RflSngPane	1	0.01	0	52.14
HVAC20E	WRHCZ06	RET	2_HV_RflSngPane	1	0	0	0
HVAC2	COLCZ06	ROB	1_HV_PACIt65	1	1	0.12	2.29
HVAC2	COLCZ06	ROB	2_HV_PACIt6513	2	1	0	2.29
HVAC2	COLCZ06	ROB	3_HV_PACIt6514	3	1	0	2.29
HVAC2	GRCCZ06	ROB	1_HV_PACIt65	1	1	0.1	2.32
HVAC2	GRCCZ06	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	GRCCZ06	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	HLTCZ06	ROB	1_HV_PACIt65	1	1	0.37	2.67
HVAC2	HLTCZ06	ROB	2_HV_PACIt6513	2	1	0	2.67
HVAC2	HLTCZ06	ROB	3_HV_PACIt6514	3	1	0	2.67

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	LDGCZ06	ROB	1_HV_PACIt65	1	1	0.33	2.38
HVAC2	LDGCZ06	ROB	2_HV_PACIt6513	2	1	0	2.38
HVAC2	LDGCZ06	ROB	3_HV_PACIt6514	3	1	0	2.38
HVAC2	LGOCZ06	ROB	1_HV_PACIt65	1	1	0.13	2.61
HVAC2	LGOCZ06	ROB	2_HV_PACIt6513	2	1	0	2.61
HVAC2	LGOCZ06	ROB	3_HV_PACIt6514	3	1	0	2.61
HVAC2	MSCCZ06	ROB	1_HV_PACIt65	1	1	0.22	2.71
HVAC2	MSCCZ06	ROB	2_HV_PACIt6513	2	1	0	2.71
HVAC2	MSCCZ06	ROB	3_HV_PACIt6514	3	1	0	2.71
HVAC2	REFCZ06	ROB	1_HV_PACIt65	1	1	0.07	2.38
HVAC2	REFCZ06	ROB	2_HV_PACIt6513	2	1	0	2.38
HVAC2	REFCZ06	ROB	3_HV_PACIt6514	3	1	0	2.38
HVAC2	RETCZ06	ROB	1_HV_PACIt65	1	1	0.2	2.5
HVAC2	RETCZ06	ROB	2_HV_PACIt6513	2	1	0	2.5
HVAC2	RETCZ06	ROB	3_HV_PACIt6514	3	1	0	2.5
HVAC2	RSTCZ06	ROB	1_HV_PACIt65	1	1	0.43	4.57
HVAC2	RSTCZ06	ROB	2_HV_PACIt6513	2	1	0	4.57
HVAC2	RSTCZ06	ROB	3_HV_PACIt6514	3	1	0	4.57
HVAC2	SCHCZ06	ROB	1_HV_PACIt65	1	1	0.19	3.4
HVAC2	SCHCZ06	ROB	2_HV_PACIt6513	2	1	0	3.4
HVAC2	SCHCZ06	ROB	3_HV_PACIt6514	3	1	0	3.4
HVAC2	SMOCZ06	ROB	1_HV_PACIt65	1	1	0.74	3.2
HVAC2	SMOCZ06	ROB	2_HV_PACIt6513	2	1	0	3.2
HVAC2	SMOCZ06	ROB	3_HV_PACIt6514	3	1	0	3.2
HVAC2	WRHCZ06	ROB	1_HV_PACIt65	1	1	0.08	3.33
HVAC2	WRHCZ06	ROB	2_HV_PACIt6513	2	1	0	3.33
HVAC2	WRHCZ06	ROB	3_HV_PACIt6514	3	1	0	3.33
HVAC1A	COLCZ06	ROB	1_HV_RecChBase	1	1	0	2.29
HVAC1A	COLCZ06	ROB	2_HV_RecChHEff	2	1	0.14	2.29
HVAC1A	GRCCZ06	ROB	1_HV_RecChBase	1	1	0	2.32
HVAC1A	GRCCZ06	ROB	2_HV_RecChHEff	2	1	0	2.32
HVAC1A	HLTCZ06	ROB	1_HV_RecChBase	1	1	0.04	2.67
HVAC1A	HLTCZ06	ROB	2_HV_RecChHEff	2	1	0.01	2.67
HVAC1A	LDGCZ06	ROB	1_HV_RecChBase	1	1	0.04	2.38
HVAC1A	LDGCZ06	ROB	2_HV_RecChHEff	2	1	0.05	2.38

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	LGOCZ06	ROB	1_HV_RecChBase	1	1	0.08	2.61
HVAC1A	LGOCZ06	ROB	2_HV_RecChHEff	2	1	0.04	2.61
HVAC1A	MSCCZ06	ROB	1_HV_RecChBase	1	1	0.04	2.71
HVAC1A	MSCCZ06	ROB	2_HV_RecChHEff	2	1	0	2.71
HVAC1A	REFCZ06	ROB	1_HV_RecChBase	1	1	0	2.38
HVAC1A	REFCZ06	ROB	2_HV_RecChHEff	2	1	0	2.38
HVAC1A	RETCZ06	ROB	1_HV_RecChBase	1	1	0	2.5
HVAC1A	RETCZ06	ROB	2_HV_RecChHEff	2	1	0	2.5
HVAC1A	RSTCZ06	ROB	1_HV_RecChBase	1	1	0	4.57
HVAC1A	RSTCZ06	ROB	2_HV_RecChHEff	2	1	0	4.57
HVAC1A	SCHCZ06	ROB	1_HV_RecChBase	1	1	0.05	3.4
HVAC1A	SCHCZ06	ROB	2_HV_RecChHEff	2	1	0	3.4
HVAC1A	SMOCZ06	ROB	1_HV_RecChBase	1	1	0	3.2
HVAC1A	SMOCZ06	ROB	2_HV_RecChHEff	2	1	0	3.2
HVAC1A	WRHCZ06	ROB	1_HV_RecChBase	1	1	0.11	3.33
HVAC1A	WRHCZ06	ROB	2_HV_RecChHEff	2	1	0	3.33
HVAC15	COLCZ06	RET	2_HV_DXTuneUp	2	0.2	0.05	2.29
HVAC15	GRCCZ06	RET	2_HV_DXTuneUp	2	0.66	0.17	2.32
HVAC15	HLTCZ06	RET	2_HV_DXTuneUp	2	0.67	0.17	2.67
HVAC15	LDGCZ06	RET	2_HV_DXTuneUp	2	0.48	0.12	2.38
HVAC15	LGOCZ06	RET	2_HV_DXTuneUp	2	0.56	0.14	2.61
HVAC15	MSCCZ06	RET	2_HV_DXTuneUp	2	0.37	0.09	2.71
HVAC15	REFCZ06	RET	2_HV_DXTuneUp	2	0.07	0.02	2.38
HVAC15	RETCZ06	RET	2_HV_DXTuneUp	2	0.57	0.14	2.5
HVAC15	RSTCZ06	RET	2_HV_DXTuneUp	2	0.66	0.17	4.57
HVAC15	SCHCZ06	RET	2_HV_DXTuneUp	2	0.33	0.08	3.4
HVAC15	SMOCZ06	RET	2_HV_DXTuneUp	2	0.91	0.23	3.2
HVAC15	WRHCZ06	RET	2_HV_DXTuneUp	2	0.25	0.06	3.33
HVAC14	COLCZ06	RET	2_HV_CHTuneUp	2	0.12	0.03	2.29
HVAC14	GRCCZ06	RET	2_HV_CHTuneUp	2	0	0	2.32
HVAC14	HLTCZ06	RET	2_HV_CHTuneUp	2	0.23	0.06	2.67
HVAC14	LDGCZ06	RET	2_HV_CHTuneUp	2	0.43	0.11	2.38
HVAC14	LGOCZ06	RET	2_HV_CHTuneUp	2	0.31	0.08	2.61
HVAC14	MSCCZ06	RET	2_HV_CHTuneUp	2	0.03	0.01	2.71
HVAC14	REFCZ06	RET	2_HV_CHTuneUp	2	0	0	2.38

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC14	RETCZ06	RET	2_HV_CHTuneUp	2	0	0	2.5
HVAC14	RSTCZ06	RET	2_HV_CHTuneUp	2	0	0	4.57
HVAC14	SCHCZ06	RET	2_HV_CHTuneUp	2	0.04	0.01	3.4
HVAC14	SMOCZ06	RET	2_HV_CHTuneUp	2	0	0	3.2
HVAC14	WRHCZ06	RET	2_HV_CHTuneUp	2	0.04	0.01	3.33
HVAC13	COLCZ06	ROB	1_HV_PTUge24	1	1	0	2.29
HVAC13	COLCZ06	ROB	2_HV_PTUge24HE	2	1	0	2.29
HVAC13	GRCCZ06	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	GRCCZ06	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	HLTCZ06	ROB	1_HV_PTUge24	1	1	0.01	2.67
HVAC13	HLTCZ06	ROB	2_HV_PTUge24HE	2	1	0	2.67
HVAC13	LDGCZ06	ROB	1_HV_PTUge24	1	1	0	2.38
HVAC13	LDGCZ06	ROB	2_HV_PTUge24HE	2	1	0	2.38
HVAC13	LGOCZ06	ROB	1_HV_PTUge24	1	1	0	2.61
HVAC13	LGOCZ06	ROB	2_HV_PTUge24HE	2	1	0	2.61
HVAC13	MSCCZ06	ROB	1_HV_PTUge24	1	1	0.01	2.71
HVAC13	MSCCZ06	ROB	2_HV_PTUge24HE	2	1	0	2.71
HVAC13	REFCZ06	ROB	1_HV_PTUge24	1	1	0	2.38
HVAC13	REFCZ06	ROB	2_HV_PTUge24HE	2	1	0	2.38
HVAC13	RETCZ06	ROB	1_HV_PTUge24	1	1	0.03	2.5
HVAC13	RETCZ06	ROB	2_HV_PTUge24HE	2	1	0	2.5
HVAC13	RSTCZ06	ROB	1_HV_PTUge24	1	1	0	4.57
HVAC13	RSTCZ06	ROB	2_HV_PTUge24HE	2	1	0	4.57
HVAC13	SCHCZ06	ROB	1_HV_PTUge24	1	1	0	3.4
HVAC13	SCHCZ06	ROB	2_HV_PTUge24HE	2	1	0	3.4
HVAC13	SMOCZ06	ROB	1_HV_PTUge24	1	1	0	3.2
HVAC13	SMOCZ06	ROB	2_HV_PTUge24HE	2	1	0	3.2
HVAC13	WRHCZ06	ROB	1_HV_PTUge24	1	1	0	3.33
HVAC13	WRHCZ06	ROB	2_HV_PTUge24HE	2	1	0	3.33
HVAC10	COLCZ06	ROB	1_HV_PTUit24	1	1	0	2.29
HVAC10	COLCZ06	ROB	2_HV_PTUit24HE	2	1	0	2.29
HVAC10	GRCCZ06	ROB	1_HV_PTUit24	1	1	0	2.32
HVAC10	GRCCZ06	ROB	2_HV_PTUit24HE	2	1	0	2.32
HVAC10	HLTCZ06	ROB	1_HV_PTUit24	1	1	0.01	2.67
HVAC10	HLTCZ06	ROB	2_HV_PTUit24HE	2	1	0	2.67

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	LDGCZ06	ROB	1_HV_PTUIt24	1	1	0.09	2.38
HVAC10	LDGCZ06	ROB	2_HV_PTUIt24HE	2	1	0	2.38
HVAC10	LGOCZ06	ROB	1_HV_PTUIt24	1	1	0	2.61
HVAC10	LGOCZ06	ROB	2_HV_PTUIt24HE	2	1	0	2.61
HVAC10	MSCCZ06	ROB	1_HV_PTUIt24	1	1	0	2.71
HVAC10	MSCCZ06	ROB	2_HV_PTUIt24HE	2	1	0	2.71
HVAC10	REFCZ06	ROB	1_HV_PTUIt24	1	1	0	2.38
HVAC10	REFCZ06	ROB	2_HV_PTUIt24HE	2	1	0	2.38
HVAC10	RETCZ06	ROB	1_HV_PTUIt24	1	1	0	2.5
HVAC10	RETCZ06	ROB	2_HV_PTUIt24HE	2	1	0	2.5
HVAC10	RSTCZ06	ROB	1_HV_PTUIt24	1	1	0	4.57
HVAC10	RSTCZ06	ROB	2_HV_PTUIt24HE	2	1	0	4.57
HVAC10	SCHCZ06	ROB	1_HV_PTUIt24	1	1	0	3.4
HVAC10	SCHCZ06	ROB	2_HV_PTUIt24HE	2	1	0	3.4
HVAC10	SMOCZ06	ROB	1_HV_PTUIt24	1	1	0	3.2
HVAC10	SMOCZ06	ROB	2_HV_PTUIt24HE	2	1	0	3.2
HVAC10	WRHCZ06	ROB	1_HV_PTUIt24	1	1	0	3.33
HVAC10	WRHCZ06	ROB	2_HV_PTUIt24HE	2	1	0	3.33
HVAC1	COLCZ06	ROB	1_HV_CentChBase	1	1	0	2.29
HVAC1	COLCZ06	ROB	2_HV_CentChHEff	2	1	0	2.29
HVAC1	GRCCZ06	ROB	1_HV_CentChBase	1	1	0	2.32
HVAC1	GRCCZ06	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	HLTCZ06	ROB	1_HV_CentChBase	1	1	0.16	2.67
HVAC1	HLTCZ06	ROB	2_HV_CentChHEff	2	1	0	2.67
HVAC1	LDGCZ06	ROB	1_HV_CentChBase	1	1	0.3	2.38
HVAC1	LDGCZ06	ROB	2_HV_CentChHEff	2	1	0	2.38
HVAC1	LGOCZ06	ROB	1_HV_CentChBase	1	1	0.18	2.61
HVAC1	LGOCZ06	ROB	2_HV_CentChHEff	2	1	0	2.61
HVAC1	MSCCZ06	ROB	1_HV_CentChBase	1	1	0.01	2.71
HVAC1	MSCCZ06	ROB	2_HV_CentChHEff	2	1	0	2.71
HVAC1	REFCZ06	ROB	1_HV_CentChBase	1	1	0	2.38
HVAC1	REFCZ06	ROB	2_HV_CentChHEff	2	1	0	2.38
HVAC1	RETCZ06	ROB	1_HV_CentChBase	1	1	0	2.5
HVAC1	RETCZ06	ROB	2_HV_CentChHEff	2	1	0	2.5
HVAC1	RSTCZ06	ROB	1_HV_CentChBase	1	1	0	4.57



SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1	RSTCZ06	ROB	2_HV_CentChHEff	2	1	0	4.57
HVAC1	SCHCZ06	ROB	1_HV_CentChBase	1	1	0	3.4
HVAC1	SCHCZ06	ROB	2_HV_CentChHEff	2	1	0	3.4
HVAC1	SMOCZ06	ROB	1_HV_CentChBase	1	1	0	3.2
HVAC1	SMOCZ06	ROB	2_HV_CentChHEff	2	1	0	3.2
HVAC1	WRHCZ06	ROB	1_HV_CentChBase	1	1	0	3.33
HVAC1	WRHCZ06	ROB	2_HV_CentChHEff	2	1	0	3.33

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ08	ROB	1_HV_PACge65	1	1	0.24	2.6
HVAC3	COLCZ08	ROB	2_HV_PACge6513	2	1	0	2.6
HVAC3	COLCZ08	ROB	3_HV_PACge6514	3	1	0	2.6
HVAC3	GRCCZ08	ROB	1_HV_PACge65	1	1	0.26	2.83
HVAC3	GRCCZ08	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	GRCCZ08	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	HLTCZ08	ROB	1_HV_PACge65	1	1	0.09	2.81
HVAC3	HLTCZ08	ROB	2_HV_PACge6513	2	1	0	2.81
HVAC3	HLTCZ08	ROB	3_HV_PACge6514	3	1	0	2.81
HVAC3	LDGCZ08	ROB	1_HV_PACge65	1	1	0	2.11
HVAC3	LDGCZ08	ROB	2_HV_PACge6513	2	1	0	2.11
HVAC3	LDGCZ08	ROB	3_HV_PACge6514	3	1	0	2.11
HVAC3	LGOZ08	ROB	1_HV_PACge65	1	1	0.43	2.95
HVAC3	LGOZ08	ROB	2_HV_PACge6513	2	1	0	2.95
HVAC3	LGOZ08	ROB	3_HV_PACge6514	3	1	0	2.95
HVAC3	MSCCZ08	ROB	1_HV_PACge65	1	1	0.04	3.1
HVAC3	MSCCZ08	ROB	2_HV_PACge6513	2	1	0	3.1
HVAC3	MSCCZ08	ROB	3_HV_PACge6514	3	1	0	3.1
HVAC3	REFCZ08	ROB	1_HV_PACge65	1	1	0.13	2.43
HVAC3	REFCZ08	ROB	2_HV_PACge6513	2	1	0	2.43
HVAC3	REFCZ08	ROB	3_HV_PACge6514	3	1	0	2.43
HVAC3	RETCZ08	ROB	1_HV_PACge65	1	1	0.29	3.02
HVAC3	RETCZ08	ROB	2_HV_PACge6513	2	1	0	3.02
HVAC3	RETCZ08	ROB	3_HV_PACge6514	3	1	0	3.02
HVAC3	RSTCZ08	ROB	1_HV_PACge65	1	1	0.3	4.74
HVAC3	RSTCZ08	ROB	2_HV_PACge6513	2	1	0	4.74
HVAC3	RSTCZ08	ROB	3_HV_PACge6514	3	1	0	4.74
HVAC3	SCHCZ08	ROB	1_HV_PACge65	1	1	0.16	3.54
HVAC3	SCHCZ08	ROB	2_HV_PACge6513	2	1	0	3.54
HVAC3	SCHCZ08	ROB	3_HV_PACge6514	3	1	0	3.54
HVAC3	SMOCZ08	ROB	1_HV_PACge65	1	1	0.24	3.01
HVAC3	SMOCZ08	ROB	2_HV_PACge6513	2	1	0	3.01
HVAC3	SMOCZ08	ROB	3_HV_PACge6514	3	1	0	3.01
HVAC3	WRHCZ08	ROB	1_HV_PACge65	1	1	0.05	2.8
HVAC3	WRHCZ08	ROB	2_HV_PACge6513	2	1	0	2.8

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ08	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC24	COLCZ08	RET	2_HV_ChilPmpVFD	1	0.65	0.29	0.23
HVAC24	GRCCZ08	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	HLTCZ08	RET	2_HV_ChilPmpVFD	1	0.6	0	0.38
HVAC24	LDGCZ08	RET	2_HV_ChilPmpVFD	1	0.07	0.01	0.24
HVAC24	LGOCZ08	RET	2_HV_ChilPmpVFD	1	0.14	0	0.41
HVAC24	MSCCZ08	RET	2_HV_ChilPmpVFD	1	0.01	0	0.19
HVAC24	REFCZ08	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ08	RET	2_HV_ChilPmpVFD	1	0.11	0.02	0.34
HVAC24	RSTCZ08	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ08	RET	2_HV_ChilPmpVFD	1	0.26	0	0.11
HVAC24	SMOCZ08	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	WRHCZ08	RET	2_HV_ChilPmpVFD	1	0.05	0	0.11
HVAC23	COLCZ08	RET	2_HV_VAV	1	0.41	0.27	0.98
HVAC23	GRCCZ08	RET	2_HV_VAV	1	0.05	0	0.5
HVAC23	HLTCZ08	RET	2_HV_VAV	1	0.56	0.01	1.17
HVAC23	LDGCZ08	RET	2_HV_VAV	1	0.06	0	0.3
HVAC23	LGOCZ08	RET	2_HV_VAV	1	0.39	0.11	1.19
HVAC23	MSCCZ08	RET	2_HV_VAV	1	0.01	0	0.67
HVAC23	REFCZ08	RET	2_HV_VAV	1	0.03	0.03	0.26
HVAC23	RETCZ08	RET	2_HV_VAV	1	0.06	0.03	0.92
HVAC23	RSTCZ08	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ08	RET	2_HV_VAV	1	0.18	0	0.15
HVAC23	SMOCZ08	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ08	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ08	RET	2_HV_CoolRoof	1	0.18	0	960.46
HVAC22	GRCCZ08	RET	2_HV_CoolRoof	1	0.16	0	1000
HVAC22	HLTCZ08	RET	2_HV_CoolRoof	1	0.16	0	531.22
HVAC22	LDGCZ08	RET	2_HV_CoolRoof	1	0.05	0	485.93
HVAC22	LGOCZ08	RET	2_HV_CoolRoof	1	0.16	0	572.21
HVAC22	MSCCZ08	RET	2_HV_CoolRoof	1	0.04	0	656.38
HVAC22	REFCZ08	RET	2_HV_CoolRoof	1	0.26	0	771.34
HVAC22	RETCZ08	RET	2_HV_CoolRoof	1	0.22	0.06	943.79
HVAC22	RSTCZ08	RET	2_HV_CoolRoof	1	0.06	0	1000
HVAC22	SCHCZ08	RET	2_HV_CoolRoof	1	0.26	0	571.99

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC22	SMOCZ08	RET	2_HV_CoolRoof	1	0.22	0	1000
HVAC22	WRHCZ08	RET	2_HV_CoolRoof	1	0.22	0	653.34
HVAC21SZE	COLCZ08	RET	2_HV_TCtIszE	1	0.03	0	1.46
HVAC21SZE	GRCCZ08	RET	2_HV_TCtIszE	1	0.04	0.02	0.8
HVAC21SZE	HLTCZ08	RET	2_HV_TCtIszE	1	0.1	0.04	1.12
HVAC21SZE	LDGCZ08	RET	2_HV_TCtIszE	1	0.26	0.05	2.43
HVAC21SZE	LGOCZ08	RET	2_HV_TCtIszE	1	0.1	0.04	0.61
HVAC21SZE	MSCCZ08	RET	2_HV_TCtIszE	1	0.01	0	0.93
HVAC21SZE	REFCZ08	RET	2_HV_TCtIszE	1	0	0	0.96
HVAC21SZE	RETCZ08	RET	2_HV_TCtIszE	1	0.17	0.04	0.63
HVAC21SZE	RSTCZ08	RET	2_HV_TCtIszE	1	0.06	0.03	1.1
HVAC21SZE	SCHCZ08	RET	2_HV_TCtIszE	1	0.18	0.09	0.96
HVAC21SZE	SMOCZ08	RET	2_HV_TCtIszE	1	0.11	0.11	0.26
HVAC21SZE	WRHCZ08	RET	2_HV_TCtIszE	1	0.02	0.01	0.94
HVAC20E	COLCZ08	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	GRCCZ08	RET	2_HV_RflSngPane	1	0.09	0	63.19
HVAC20E	HLTCZ08	RET	2_HV_RflSngPane	1	0.03	0	89.83
HVAC20E	LDGCZ08	RET	2_HV_RflSngPane	1	0.18	0	47.34
HVAC20E	LGOCZ08	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	MSCCZ08	RET	2_HV_RflSngPane	1	0.01	0	22.15
HVAC20E	REFCZ08	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	RETCZ08	RET	2_HV_RflSngPane	1	0.04	0	47.78
HVAC20E	RSTCZ08	RET	2_HV_RflSngPane	1	0.04	0	102.44
HVAC20E	SCHCZ08	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	SMOCZ08	RET	2_HV_RflSngPane	1	0.14	0	74.31
HVAC20E	WRHCZ08	RET	2_HV_RflSngPane	1	0.27	0.16	14.38
HVAC2	COLCZ08	ROB	1_HV_PACIt65	1	1	0.26	2.6
HVAC2	COLCZ08	ROB	2_HV_PACIt6513	2	1	0	2.6
HVAC2	COLCZ08	ROB	3_HV_PACIt6514	3	1	0	2.6
HVAC2	GRCCZ08	ROB	1_HV_PACIt65	1	1	0.32	2.83
HVAC2	GRCCZ08	ROB	2_HV_PACIt6513	2	1	0	2.83
HVAC2	GRCCZ08	ROB	3_HV_PACIt6514	3	1	0	2.83
HVAC2	HLTCZ08	ROB	1_HV_PACIt65	1	1	0.34	2.81
HVAC2	HLTCZ08	ROB	2_HV_PACIt6513	2	1	0	2.81
HVAC2	HLTCZ08	ROB	3_HV_PACIt6514	3	1	0	2.81

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	LDGCZ08	ROB	1_HV_PACIt65	1	1	0.19	2.11
HVAC2	LDGCZ08	ROB	2_HV_PACIt6513	2	1	0	2.11
HVAC2	LDGCZ08	ROB	3_HV_PACIt6514	3	1	0	2.11
HVAC2	LGOCZ08	ROB	1_HV_PACIt65	1	1	0.3	2.95
HVAC2	LGOCZ08	ROB	2_HV_PACIt6513	2	1	0	2.95
HVAC2	LGOCZ08	ROB	3_HV_PACIt6514	3	1	0	2.95
HVAC2	MSCCZ08	ROB	1_HV_PACIt65	1	1	0.04	3.1
HVAC2	MSCCZ08	ROB	2_HV_PACIt6513	2	1	0	3.1
HVAC2	MSCCZ08	ROB	3_HV_PACIt6514	3	1	0	3.1
HVAC2	REFCZ08	ROB	1_HV_PACIt65	1	1	0.03	2.43
HVAC2	REFCZ08	ROB	2_HV_PACIt6513	2	1	0	2.43
HVAC2	REFCZ08	ROB	3_HV_PACIt6514	3	1	0	2.43
HVAC2	RETCZ08	ROB	1_HV_PACIt65	1	1	0.36	3.02
HVAC2	RETCZ08	ROB	2_HV_PACIt6513	2	1	0	3.02
HVAC2	RETCZ08	ROB	3_HV_PACIt6514	3	1	0	3.02
HVAC2	RSTCZ08	ROB	1_HV_PACIt65	1	1	0.45	4.74
HVAC2	RSTCZ08	ROB	2_HV_PACIt6513	2	1	0	4.74
HVAC2	RSTCZ08	ROB	3_HV_PACIt6514	3	1	0	4.74
HVAC2	SCHCZ08	ROB	1_HV_PACIt65	1	1	0.43	3.54
HVAC2	SCHCZ08	ROB	2_HV_PACIt6513	2	1	0	3.54
HVAC2	SCHCZ08	ROB	3_HV_PACIt6514	3	1	0	3.54
HVAC2	SMOCZ08	ROB	1_HV_PACIt65	1	1	0.67	3.01
HVAC2	SMOCZ08	ROB	2_HV_PACIt6513	2	1	0	3.01
HVAC2	SMOCZ08	ROB	3_HV_PACIt6514	3	1	0	3.01
HVAC2	WRHCZ08	ROB	1_HV_PACIt65	1	1	0.07	2.8
HVAC2	WRHCZ08	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	WRHCZ08	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC1A	COLCZ08	ROB	1_HV_RecChBase	1	1	0.08	2.6
HVAC1A	COLCZ08	ROB	2_HV_RecChHEff	2	1	0.01	2.6
HVAC1A	GRCCZ08	ROB	1_HV_RecChBase	1	1	0	2.83
HVAC1A	GRCCZ08	ROB	2_HV_RecChHEff	2	1	0	2.83
HVAC1A	HLTCZ08	ROB	1_HV_RecChBase	1	1	0.02	2.81
HVAC1A	HLTCZ08	ROB	2_HV_RecChHEff	2	1	0.08	2.81
HVAC1A	LDGCZ08	ROB	1_HV_RecChBase	1	1	0	2.11
HVAC1A	LDGCZ08	ROB	2_HV_RecChHEff	2	1	0.03	2.11

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	LGOCZ08	ROB	1_HV_RecChBase	1	1	0.13	2.95
HVAC1A	LGOCZ08	ROB	2_HV_RecChHEff	2	1	0	2.95
HVAC1A	MSCCZ08	ROB	1_HV_RecChBase	1	1	0	3.1
HVAC1A	MSCCZ08	ROB	2_HV_RecChHEff	2	1	0	3.1
HVAC1A	REFCZ08	ROB	1_HV_RecChBase	1	1	0	2.43
HVAC1A	REFCZ08	ROB	2_HV_RecChHEff	2	1	0	2.43
HVAC1A	RETCZ08	ROB	1_HV_RecChBase	1	1	0.02	3.02
HVAC1A	RETCZ08	ROB	2_HV_RecChHEff	2	1	0.04	3.02
HVAC1A	RSTCZ08	ROB	1_HV_RecChBase	1	1	0	4.74
HVAC1A	RSTCZ08	ROB	2_HV_RecChHEff	2	1	0	4.74
HVAC1A	SCHCZ08	ROB	1_HV_RecChBase	1	1	0.05	3.54
HVAC1A	SCHCZ08	ROB	2_HV_RecChHEff	2	1	0.04	3.54
HVAC1A	SMOCZ08	ROB	1_HV_RecChBase	1	1	0	3.01
HVAC1A	SMOCZ08	ROB	2_HV_RecChHEff	2	1	0	3.01
HVAC1A	WRHCZ08	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	WRHCZ08	ROB	2_HV_RecChHEff	2	1	0	2.8
HVAC15	COLCZ08	RET	2_HV_DXTuneUp	2	0.38	0.09	2.6
HVAC15	GRCCZ08	RET	2_HV_DXTuneUp	2	0.6	0.15	2.83
HVAC15	HLTCZ08	RET	2_HV_DXTuneUp	2	0.4	0.1	2.81
HVAC15	LDGCZ08	RET	2_HV_DXTuneUp	2	0.58	0.15	2.11
HVAC15	LGOCZ08	RET	2_HV_DXTuneUp	2	0.75	0.19	2.95
HVAC15	MSCCZ08	RET	2_HV_DXTuneUp	2	0.89	0.22	2.73
HVAC15	REFCZ08	RET	2_HV_DXTuneUp	2	0.16	0.04	2.43
HVAC15	RETCZ08	RET	2_HV_DXTuneUp	2	0.65	0.16	3.02
HVAC15	RSTCZ08	RET	2_HV_DXTuneUp	2	0.72	0.18	4.74
HVAC15	SCHCZ08	RET	2_HV_DXTuneUp	2	0.57	0.14	3.54
HVAC15	SMOCZ08	RET	2_HV_DXTuneUp	2	0.95	0.24	3.01
HVAC15	WRHCZ08	RET	2_HV_DXTuneUp	2	0.12	0.03	2.8
HVAC14	COLCZ08	RET	2_HV_CHTuneUp	2	0.28	0.07	2.6
HVAC14	GRCCZ08	RET	2_HV_CHTuneUp	2	0	0	2.83
HVAC14	HLTCZ08	RET	2_HV_CHTuneUp	2	0.52	0.13	2.81
HVAC14	LDGCZ08	RET	2_HV_CHTuneUp	2	0.11	0.03	2.11
HVAC14	LGOCZ08	RET	2_HV_CHTuneUp	2	0.2	0.05	2.95
HVAC14	MSCCZ08	RET	2_HV_CHTuneUp	2	0.01	0	2.73
HVAC14	REFCZ08	RET	2_HV_CHTuneUp	2	0	0	2.43

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC14	RETCZ08	RET	2_HV_CHTuneUp	2	0.1	0.03	3.02
HVAC14	RSTCZ08	RET	2_HV_CHTuneUp	2	0	0	4.74
HVAC14	SCHCZ08	RET	2_HV_CHTuneUp	2	0.16	0.04	3.54
HVAC14	SMOCZ08	RET	2_HV_CHTuneUp	2	0	0	3.01
HVAC14	WRHCZ08	RET	2_HV_CHTuneUp	2	0	0	2.8
HVAC13	COLCZ08	ROB	1_HV_PTUge24	1	1	0	2.6
HVAC13	COLCZ08	ROB	2_HV_PTUge24HE	2	1	0	2.6
HVAC13	GRCCZ08	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	GRCCZ08	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	HLTCZ08	ROB	1_HV_PTUge24	1	1	0	2.81
HVAC13	HLTCZ08	ROB	2_HV_PTUge24HE	2	1	0	2.81
HVAC13	LDGCZ08	ROB	1_HV_PTUge24	1	1	0	2.11
HVAC13	LDGCZ08	ROB	2_HV_PTUge24HE	2	1	0	2.11
HVAC13	LGOCZ08	ROB	1_HV_PTUge24	1	1	0	2.95
HVAC13	LGOCZ08	ROB	2_HV_PTUge24HE	2	1	0	2.95
HVAC13	MSCCZ08	ROB	1_HV_PTUge24	1	1	0	3.1
HVAC13	MSCCZ08	ROB	2_HV_PTUge24HE	2	1	0	3.1
HVAC13	REFCZ08	ROB	1_HV_PTUge24	1	1	0	2.43
HVAC13	REFCZ08	ROB	2_HV_PTUge24HE	2	1	0	2.43
HVAC13	RETCZ08	ROB	1_HV_PTUge24	1	1	0	3.02
HVAC13	RETCZ08	ROB	2_HV_PTUge24HE	2	1	0	3.02
HVAC13	RSTCZ08	ROB	1_HV_PTUge24	1	1	0	4.74
HVAC13	RSTCZ08	ROB	2_HV_PTUge24HE	2	1	0	4.74
HVAC13	SCHCZ08	ROB	1_HV_PTUge24	1	1	0	3.54
HVAC13	SCHCZ08	ROB	2_HV_PTUge24HE	2	1	0	3.54
HVAC13	SMOCZ08	ROB	1_HV_PTUge24	1	1	0	3.01
HVAC13	SMOCZ08	ROB	2_HV_PTUge24HE	2	1	0	3.01
HVAC13	WRHCZ08	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	WRHCZ08	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC10	COLCZ08	ROB	1_HV_PTUit24	1	1	0.03	2.6
HVAC10	COLCZ08	ROB	2_HV_PTUit24HE	2	1	0	2.6
HVAC10	GRCCZ08	ROB	1_HV_PTUit24	1	1	0.01	2.83
HVAC10	GRCCZ08	ROB	2_HV_PTUit24HE	2	1	0	2.83
HVAC10	HLTCZ08	ROB	1_HV_PTUit24	1	1	0.02	2.81
HVAC10	HLTCZ08	ROB	2_HV_PTUit24HE	2	1	0	2.81

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	LDGCZ08	ROB	1_HV_PTUIt24	1	1	0.43	2.11
HVAC10	LDGCZ08	ROB	2_HV_PTUIt24HE	2	1	0	2.11
HVAC10	LGOCZ08	ROB	1_HV_PTUIt24	1	1	0	2.95
HVAC10	LGOCZ08	ROB	2_HV_PTUIt24HE	2	1	0	2.95
HVAC10	MSCCZ08	ROB	1_HV_PTUIt24	1	1	0	3.1
HVAC10	MSCCZ08	ROB	2_HV_PTUIt24HE	2	1	0	3.1
HVAC10	REFCZ08	ROB	1_HV_PTUIt24	1	1	0	2.43
HVAC10	REFCZ08	ROB	2_HV_PTUIt24HE	2	1	0	2.43
HVAC10	RETCZ08	ROB	1_HV_PTUIt24	1	1	0	3.02
HVAC10	RETCZ08	ROB	2_HV_PTUIt24HE	2	1	0	3.02
HVAC10	RSTCZ08	ROB	1_HV_PTUIt24	1	1	0	4.74
HVAC10	RSTCZ08	ROB	2_HV_PTUIt24HE	2	1	0	4.74
HVAC10	SCHCZ08	ROB	1_HV_PTUIt24	1	1	0	3.54
HVAC10	SCHCZ08	ROB	2_HV_PTUIt24HE	2	1	0	3.54
HVAC10	SMOCZ08	ROB	1_HV_PTUIt24	1	1	0.04	3.01
HVAC10	SMOCZ08	ROB	2_HV_PTUIt24HE	2	1	0	3.01
HVAC10	WRHCZ08	ROB	1_HV_PTUIt24	1	1	0	2.8
HVAC10	WRHCZ08	ROB	2_HV_PTUIt24HE	2	1	0	2.8
HVAC1	COLCZ08	ROB	1_HV_CentChBase	1	1	0.21	2.6
HVAC1	COLCZ08	ROB	2_HV_CentChHEff	2	1	0	2.6
HVAC1	GRCCZ08	ROB	1_HV_CentChBase	1	1	0	2.83
HVAC1	GRCCZ08	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	HLTCZ08	ROB	1_HV_CentChBase	1	1	0.41	2.81
HVAC1	HLTCZ08	ROB	2_HV_CentChHEff	2	1	0	2.81
HVAC1	LDGCZ08	ROB	1_HV_CentChBase	1	1	0.04	2.11
HVAC1	LDGCZ08	ROB	2_HV_CentChHEff	2	1	0	2.11
HVAC1	LGOCZ08	ROB	1_HV_CentChBase	1	1	0.05	2.95
HVAC1	LGOCZ08	ROB	2_HV_CentChHEff	2	1	0	2.95
HVAC1	MSCCZ08	ROB	1_HV_CentChBase	1	1	0	3.1
HVAC1	MSCCZ08	ROB	2_HV_CentChHEff	2	1	0	3.1
HVAC1	REFCZ08	ROB	1_HV_CentChBase	1	1	0	2.43
HVAC1	REFCZ08	ROB	2_HV_CentChHEff	2	1	0	2.43
HVAC1	RETCZ08	ROB	1_HV_CentChBase	1	1	0.04	3.02
HVAC1	RETCZ08	ROB	2_HV_CentChHEff	2	1	0	3.02
HVAC1	RSTCZ08	ROB	1_HV_CentChBase	1	1	0	4.74



SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1	RSTCZ08	ROB	2_HV_CentChHEff	2	1	0	4.74
HVAC1	SCHCZ08	ROB	1_HV_CentChBase	1	1	0.08	3.54
HVAC1	SCHCZ08	ROB	2_HV_CentChHEff	2	1	0	3.54
HVAC1	SMOCZ08	ROB	1_HV_CentChBase	1	1	0	3.01
HVAC1	SMOCZ08	ROB	2_HV_CentChHEff	2	1	0	3.01
HVAC1	WRHCZ08	ROB	1_HV_CentChBase	1	1	0.01	2.8
HVAC1	WRHCZ08	ROB	2_HV_CentChHEff	2	1	0	2.8

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ09	ROB	1_HV_PACge65	1	1	0.24	2.6
HVAC3	COLCZ09	ROB	2_HV_PACge6513	2	1	0	2.6
HVAC3	COLCZ09	ROB	3_HV_PACge6514	3	1	0	2.6
HVAC3	GRCCZ09	ROB	1_HV_PACge65	1	1	0.26	2.83
HVAC3	GRCCZ09	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	GRCCZ09	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	HLTCZ09	ROB	1_HV_PACge65	1	1	0.09	2.81
HVAC3	HLTCZ09	ROB	2_HV_PACge6513	2	1	0	2.81
HVAC3	HLTCZ09	ROB	3_HV_PACge6514	3	1	0	2.81
HVAC3	LDGCZ09	ROB	1_HV_PACge65	1	1	0	2.11
HVAC3	LDGCZ09	ROB	2_HV_PACge6513	2	1	0	2.11
HVAC3	LDGCZ09	ROB	3_HV_PACge6514	3	1	0	2.11
HVAC3	LGOZ09	ROB	1_HV_PACge65	1	1	0.43	2.95
HVAC3	LGOZ09	ROB	2_HV_PACge6513	2	1	0	2.95
HVAC3	LGOZ09	ROB	3_HV_PACge6514	3	1	0	2.95
HVAC3	MSCCZ09	ROB	1_HV_PACge65	1	1	0.04	3.1
HVAC3	MSCCZ09	ROB	2_HV_PACge6513	2	1	0	3.1
HVAC3	MSCCZ09	ROB	3_HV_PACge6514	3	1	0	3.1
HVAC3	REFCZ09	ROB	1_HV_PACge65	1	1	0.13	2.43
HVAC3	REFCZ09	ROB	2_HV_PACge6513	2	1	0	2.43
HVAC3	REFCZ09	ROB	3_HV_PACge6514	3	1	0	2.43
HVAC3	RETCZ09	ROB	1_HV_PACge65	1	1	0.29	3.02
HVAC3	RETCZ09	ROB	2_HV_PACge6513	2	1	0	3.02
HVAC3	RETCZ09	ROB	3_HV_PACge6514	3	1	0	3.02
HVAC3	RSTCZ09	ROB	1_HV_PACge65	1	1	0.3	4.74
HVAC3	RSTCZ09	ROB	2_HV_PACge6513	2	1	0	4.74
HVAC3	RSTCZ09	ROB	3_HV_PACge6514	3	1	0	4.74
HVAC3	SCHCZ09	ROB	1_HV_PACge65	1	1	0.16	3.54
HVAC3	SCHCZ09	ROB	2_HV_PACge6513	2	1	0	3.54
HVAC3	SCHCZ09	ROB	3_HV_PACge6514	3	1	0	3.54
HVAC3	SMOCZ09	ROB	1_HV_PACge65	1	1	0.24	3.01
HVAC3	SMOCZ09	ROB	2_HV_PACge6513	2	1	0	3.01
HVAC3	SMOCZ09	ROB	3_HV_PACge6514	3	1	0	3.01
HVAC3	WRHCZ09	ROB	1_HV_PACge65	1	1	0.05	2.8
HVAC3	WRHCZ09	ROB	2_HV_PACge6513	2	1	0	2.8

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ09	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC24	COLCZ09	RET	2_HV_ChilPmpVFD	1	0.65	0.29	0.23
HVAC24	GRCCZ09	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	HLTCZ09	RET	2_HV_ChilPmpVFD	1	0.6	0	0.38
HVAC24	LDGCZ09	RET	2_HV_ChilPmpVFD	1	0.07	0.01	0.24
HVAC24	LGOCZ09	RET	2_HV_ChilPmpVFD	1	0.14	0	0.41
HVAC24	MSCCZ09	RET	2_HV_ChilPmpVFD	1	0.01	0	0.19
HVAC24	REFCZ09	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ09	RET	2_HV_ChilPmpVFD	1	0.11	0.02	0.34
HVAC24	RSTCZ09	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ09	RET	2_HV_ChilPmpVFD	1	0.26	0	0.11
HVAC24	SMOCZ09	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	WRHCZ09	RET	2_HV_ChilPmpVFD	1	0.05	0	0.11
HVAC23	COLCZ09	RET	2_HV_VAV	1	0.41	0.27	0.98
HVAC23	GRCCZ09	RET	2_HV_VAV	1	0.05	0	0.5
HVAC23	HLTCZ09	RET	2_HV_VAV	1	0.56	0.01	1.17
HVAC23	LDGCZ09	RET	2_HV_VAV	1	0.06	0	0.3
HVAC23	LGOCZ09	RET	2_HV_VAV	1	0.39	0.11	1.19
HVAC23	MSCCZ09	RET	2_HV_VAV	1	0.01	0	0.67
HVAC23	REFCZ09	RET	2_HV_VAV	1	0.03	0.03	0.26
HVAC23	RETCZ09	RET	2_HV_VAV	1	0.06	0.03	0.92
HVAC23	RSTCZ09	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ09	RET	2_HV_VAV	1	0.18	0	0.15
HVAC23	SMOCZ09	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ09	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ09	RET	2_HV_CoolRoof	1	0.18	0	960.46
HVAC22	GRCCZ09	RET	2_HV_CoolRoof	1	0.16	0	1000
HVAC22	HLTCZ09	RET	2_HV_CoolRoof	1	0.16	0	531.22
HVAC22	LDGCZ09	RET	2_HV_CoolRoof	1	0.05	0	485.93
HVAC22	LGOCZ09	RET	2_HV_CoolRoof	1	0.16	0	572.21
HVAC22	MSCCZ09	RET	2_HV_CoolRoof	1	0.04	0	656.38
HVAC22	REFCZ09	RET	2_HV_CoolRoof	1	0.26	0	771.34
HVAC22	RETCZ09	RET	2_HV_CoolRoof	1	0.22	0.06	943.79
HVAC22	RSTCZ09	RET	2_HV_CoolRoof	1	0.06	0	1000
HVAC22	SCHCZ09	RET	2_HV_CoolRoof	1	0.26	0	571.99

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC22	SMOCZ09	RET	2_HV_CoolRoof	1	0.22	0	1000
HVAC22	WRHCZ09	RET	2_HV_CoolRoof	1	0.22	0	653.34
HVAC21SZE	COLCZ09	RET	2_HV_TCtIszE	1	0.03	0	1.46
HVAC21SZE	GRCCZ09	RET	2_HV_TCtIszE	1	0.04	0.02	0.8
HVAC21SZE	HLTCZ09	RET	2_HV_TCtIszE	1	0.1	0.04	1.12
HVAC21SZE	LDGCZ09	RET	2_HV_TCtIszE	1	0.26	0.05	2.43
HVAC21SZE	LGOCZ09	RET	2_HV_TCtIszE	1	0.1	0.04	0.61
HVAC21SZE	MSCCZ09	RET	2_HV_TCtIszE	1	0.01	0	0.93
HVAC21SZE	REFCZ09	RET	2_HV_TCtIszE	1	0	0	0.96
HVAC21SZE	RETCZ09	RET	2_HV_TCtIszE	1	0.17	0.04	0.63
HVAC21SZE	RSTCZ09	RET	2_HV_TCtIszE	1	0.06	0.03	1.1
HVAC21SZE	SCHCZ09	RET	2_HV_TCtIszE	1	0.18	0.09	0.96
HVAC21SZE	SMOCZ09	RET	2_HV_TCtIszE	1	0.11	0.11	0.26
HVAC21SZE	WRHCZ09	RET	2_HV_TCtIszE	1	0.02	0.01	0.94
HVAC20E	COLCZ09	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	GRCCZ09	RET	2_HV_RflSngPane	1	0.09	0	63.19
HVAC20E	HLTCZ09	RET	2_HV_RflSngPane	1	0.03	0	89.83
HVAC20E	LDGCZ09	RET	2_HV_RflSngPane	1	0.18	0	47.34
HVAC20E	LGOCZ09	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	MSCCZ09	RET	2_HV_RflSngPane	1	0.01	0	22.15
HVAC20E	REFCZ09	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	RETCZ09	RET	2_HV_RflSngPane	1	0.04	0	47.78
HVAC20E	RSTCZ09	RET	2_HV_RflSngPane	1	0.04	0	102.44
HVAC20E	SCHCZ09	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	SMOCZ09	RET	2_HV_RflSngPane	1	0.14	0	74.31
HVAC20E	WRHCZ09	RET	2_HV_RflSngPane	1	0.27	0.16	14.38
HVAC2	COLCZ09	ROB	1_HV_PACIt65	1	1	0.26	2.6
HVAC2	COLCZ09	ROB	2_HV_PACIt6513	2	1	0	2.6
HVAC2	COLCZ09	ROB	3_HV_PACIt6514	3	1	0	2.6
HVAC2	GRCCZ09	ROB	1_HV_PACIt65	1	1	0.32	2.83
HVAC2	GRCCZ09	ROB	2_HV_PACIt6513	2	1	0	2.83
HVAC2	GRCCZ09	ROB	3_HV_PACIt6514	3	1	0	2.83
HVAC2	HLTCZ09	ROB	1_HV_PACIt65	1	1	0.34	2.81
HVAC2	HLTCZ09	ROB	2_HV_PACIt6513	2	1	0	2.81
HVAC2	HLTCZ09	ROB	3_HV_PACIt6514	3	1	0	2.81

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	LDGCZ09	ROB	1_HV_PACIt65	1	1	0.19	2.11
HVAC2	LDGCZ09	ROB	2_HV_PACIt6513	2	1	0	2.11
HVAC2	LDGCZ09	ROB	3_HV_PACIt6514	3	1	0	2.11
HVAC2	LGOCZ09	ROB	1_HV_PACIt65	1	1	0.3	2.95
HVAC2	LGOCZ09	ROB	2_HV_PACIt6513	2	1	0	2.95
HVAC2	LGOCZ09	ROB	3_HV_PACIt6514	3	1	0	2.95
HVAC2	MSCCZ09	ROB	1_HV_PACIt65	1	1	0.04	3.1
HVAC2	MSCCZ09	ROB	2_HV_PACIt6513	2	1	0	3.1
HVAC2	MSCCZ09	ROB	3_HV_PACIt6514	3	1	0	3.1
HVAC2	REFCZ09	ROB	1_HV_PACIt65	1	1	0.03	2.43
HVAC2	REFCZ09	ROB	2_HV_PACIt6513	2	1	0	2.43
HVAC2	REFCZ09	ROB	3_HV_PACIt6514	3	1	0	2.43
HVAC2	RETCZ09	ROB	1_HV_PACIt65	1	1	0.36	3.02
HVAC2	RETCZ09	ROB	2_HV_PACIt6513	2	1	0	3.02
HVAC2	RETCZ09	ROB	3_HV_PACIt6514	3	1	0	3.02
HVAC2	RSTCZ09	ROB	1_HV_PACIt65	1	1	0.45	4.74
HVAC2	RSTCZ09	ROB	2_HV_PACIt6513	2	1	0	4.74
HVAC2	RSTCZ09	ROB	3_HV_PACIt6514	3	1	0	4.74
HVAC2	SCHCZ09	ROB	1_HV_PACIt65	1	1	0.43	3.54
HVAC2	SCHCZ09	ROB	2_HV_PACIt6513	2	1	0	3.54
HVAC2	SCHCZ09	ROB	3_HV_PACIt6514	3	1	0	3.54
HVAC2	SMOCZ09	ROB	1_HV_PACIt65	1	1	0.67	3.01
HVAC2	SMOCZ09	ROB	2_HV_PACIt6513	2	1	0	3.01
HVAC2	SMOCZ09	ROB	3_HV_PACIt6514	3	1	0	3.01
HVAC2	WRHCZ09	ROB	1_HV_PACIt65	1	1	0.07	2.8
HVAC2	WRHCZ09	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	WRHCZ09	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC1A	COLCZ09	ROB	1_HV_RecChBase	1	1	0.08	2.6
HVAC1A	COLCZ09	ROB	2_HV_RecChHEff	2	1	0.01	2.6
HVAC1A	GRCCZ09	ROB	1_HV_RecChBase	1	1	0	2.83
HVAC1A	GRCCZ09	ROB	2_HV_RecChHEff	2	1	0	2.83
HVAC1A	HLTCZ09	ROB	1_HV_RecChBase	1	1	0.02	2.81
HVAC1A	HLTCZ09	ROB	2_HV_RecChHEff	2	1	0.08	2.81
HVAC1A	LDGCZ09	ROB	1_HV_RecChBase	1	1	0	2.11
HVAC1A	LDGCZ09	ROB	2_HV_RecChHEff	2	1	0.03	2.11

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	LGOCZ09	ROB	1_HV_RecChBase	1	1	0.13	2.95
HVAC1A	LGOCZ09	ROB	2_HV_RecChHEff	2	1	0	2.95
HVAC1A	MSCCZ09	ROB	1_HV_RecChBase	1	1	0	3.1
HVAC1A	MSCCZ09	ROB	2_HV_RecChHEff	2	1	0	3.1
HVAC1A	REFCZ09	ROB	1_HV_RecChBase	1	1	0	2.43
HVAC1A	REFCZ09	ROB	2_HV_RecChHEff	2	1	0	2.43
HVAC1A	RETCZ09	ROB	1_HV_RecChBase	1	1	0.02	3.02
HVAC1A	RETCZ09	ROB	2_HV_RecChHEff	2	1	0.04	3.02
HVAC1A	RSTCZ09	ROB	1_HV_RecChBase	1	1	0	4.74
HVAC1A	RSTCZ09	ROB	2_HV_RecChHEff	2	1	0	4.74
HVAC1A	SCHCZ09	ROB	1_HV_RecChBase	1	1	0.05	3.54
HVAC1A	SCHCZ09	ROB	2_HV_RecChHEff	2	1	0.04	3.54
HVAC1A	SMOCZ09	ROB	1_HV_RecChBase	1	1	0	3.01
HVAC1A	SMOCZ09	ROB	2_HV_RecChHEff	2	1	0	3.01
HVAC1A	WRHCZ09	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	WRHCZ09	ROB	2_HV_RecChHEff	2	1	0	2.8
HVAC15	COLCZ09	RET	2_HV_DXTuneUp	2	0.38	0.09	2.6
HVAC15	GRCCZ09	RET	2_HV_DXTuneUp	2	0.6	0.15	2.83
HVAC15	HLTCZ09	RET	2_HV_DXTuneUp	2	0.4	0.1	2.81
HVAC15	LDGCZ09	RET	2_HV_DXTuneUp	2	0.58	0.15	2.11
HVAC15	LGOCZ09	RET	2_HV_DXTuneUp	2	0.75	0.19	2.95
HVAC15	MSCCZ09	RET	2_HV_DXTuneUp	2	0.89	0.22	2.73
HVAC15	REFCZ09	RET	2_HV_DXTuneUp	2	0.16	0.04	2.43
HVAC15	RETCZ09	RET	2_HV_DXTuneUp	2	0.65	0.16	3.02
HVAC15	RSTCZ09	RET	2_HV_DXTuneUp	2	0.72	0.18	4.74
HVAC15	SCHCZ09	RET	2_HV_DXTuneUp	2	0.57	0.14	3.54
HVAC15	SMOCZ09	RET	2_HV_DXTuneUp	2	0.95	0.24	3.01
HVAC15	WRHCZ09	RET	2_HV_DXTuneUp	2	0.12	0.03	2.8
HVAC14	COLCZ09	RET	2_HV_CHTuneUp	2	0.28	0.07	2.6
HVAC14	GRCCZ09	RET	2_HV_CHTuneUp	2	0	0	2.83
HVAC14	HLTCZ09	RET	2_HV_CHTuneUp	2	0.52	0.13	2.81
HVAC14	LDGCZ09	RET	2_HV_CHTuneUp	2	0.11	0.03	2.11
HVAC14	LGOCZ09	RET	2_HV_CHTuneUp	2	0.2	0.05	2.95
HVAC14	MSCCZ09	RET	2_HV_CHTuneUp	2	0.01	0	2.73
HVAC14	REFCZ09	RET	2_HV_CHTuneUp	2	0	0	2.43

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC14	RETCZ09	RET	2_HV_CHTuneUp	2	0.1	0.03	3.02
HVAC14	RSTCZ09	RET	2_HV_CHTuneUp	2	0	0	4.74
HVAC14	SCHCZ09	RET	2_HV_CHTuneUp	2	0.16	0.04	3.54
HVAC14	SMOCZ09	RET	2_HV_CHTuneUp	2	0	0	3.01
HVAC14	WRHCZ09	RET	2_HV_CHTuneUp	2	0	0	2.8
HVAC13	COLCZ09	ROB	1_HV_PTUge24	1	1	0	2.6
HVAC13	COLCZ09	ROB	2_HV_PTUge24HE	2	1	0	2.6
HVAC13	GRCCZ09	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	GRCCZ09	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	HLTCZ09	ROB	1_HV_PTUge24	1	1	0	2.81
HVAC13	HLTCZ09	ROB	2_HV_PTUge24HE	2	1	0	2.81
HVAC13	LDGCZ09	ROB	1_HV_PTUge24	1	1	0	2.11
HVAC13	LDGCZ09	ROB	2_HV_PTUge24HE	2	1	0	2.11
HVAC13	LGOCZ09	ROB	1_HV_PTUge24	1	1	0	2.95
HVAC13	LGOCZ09	ROB	2_HV_PTUge24HE	2	1	0	2.95
HVAC13	MSCCZ09	ROB	1_HV_PTUge24	1	1	0	3.1
HVAC13	MSCCZ09	ROB	2_HV_PTUge24HE	2	1	0	3.1
HVAC13	REFCZ09	ROB	1_HV_PTUge24	1	1	0	2.43
HVAC13	REFCZ09	ROB	2_HV_PTUge24HE	2	1	0	2.43
HVAC13	RETCZ09	ROB	1_HV_PTUge24	1	1	0	3.02
HVAC13	RETCZ09	ROB	2_HV_PTUge24HE	2	1	0	3.02
HVAC13	RSTCZ09	ROB	1_HV_PTUge24	1	1	0	4.74
HVAC13	RSTCZ09	ROB	2_HV_PTUge24HE	2	1	0	4.74
HVAC13	SCHCZ09	ROB	1_HV_PTUge24	1	1	0	3.54
HVAC13	SCHCZ09	ROB	2_HV_PTUge24HE	2	1	0	3.54
HVAC13	SMOCZ09	ROB	1_HV_PTUge24	1	1	0	3.01
HVAC13	SMOCZ09	ROB	2_HV_PTUge24HE	2	1	0	3.01
HVAC13	WRHCZ09	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	WRHCZ09	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC10	COLCZ09	ROB	1_HV_PTUit24	1	1	0.03	2.6
HVAC10	COLCZ09	ROB	2_HV_PTUit24HE	2	1	0	2.6
HVAC10	GRCCZ09	ROB	1_HV_PTUit24	1	1	0.01	2.83
HVAC10	GRCCZ09	ROB	2_HV_PTUit24HE	2	1	0	2.83
HVAC10	HLTCZ09	ROB	1_HV_PTUit24	1	1	0.02	2.81
HVAC10	HLTCZ09	ROB	2_HV_PTUit24HE	2	1	0	2.81

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	LDGCZ09	ROB	1_HV_PTUIt24	1	1	0.43	2.11
HVAC10	LDGCZ09	ROB	2_HV_PTUIt24HE	2	1	0	2.11
HVAC10	LGOCZ09	ROB	1_HV_PTUIt24	1	1	0	2.95
HVAC10	LGOCZ09	ROB	2_HV_PTUIt24HE	2	1	0	2.95
HVAC10	MSCCZ09	ROB	1_HV_PTUIt24	1	1	0	3.1
HVAC10	MSCCZ09	ROB	2_HV_PTUIt24HE	2	1	0	3.1
HVAC10	REFCZ09	ROB	1_HV_PTUIt24	1	1	0	2.43
HVAC10	REFCZ09	ROB	2_HV_PTUIt24HE	2	1	0	2.43
HVAC10	RETCZ09	ROB	1_HV_PTUIt24	1	1	0	3.02
HVAC10	RETCZ09	ROB	2_HV_PTUIt24HE	2	1	0	3.02
HVAC10	RSTCZ09	ROB	1_HV_PTUIt24	1	1	0	4.74
HVAC10	RSTCZ09	ROB	2_HV_PTUIt24HE	2	1	0	4.74
HVAC10	SCHCZ09	ROB	1_HV_PTUIt24	1	1	0	3.54
HVAC10	SCHCZ09	ROB	2_HV_PTUIt24HE	2	1	0	3.54
HVAC10	SMOCZ09	ROB	1_HV_PTUIt24	1	1	0.04	3.01
HVAC10	SMOCZ09	ROB	2_HV_PTUIt24HE	2	1	0	3.01
HVAC10	WRHCZ09	ROB	1_HV_PTUIt24	1	1	0	2.8
HVAC10	WRHCZ09	ROB	2_HV_PTUIt24HE	2	1	0	2.8
HVAC1	COLCZ09	ROB	1_HV_CentChBase	1	1	0.21	2.6
HVAC1	COLCZ09	ROB	2_HV_CentChHEff	2	1	0	2.6
HVAC1	GRCCZ09	ROB	1_HV_CentChBase	1	1	0	2.83
HVAC1	GRCCZ09	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	HLTCZ09	ROB	1_HV_CentChBase	1	1	0.41	2.81
HVAC1	HLTCZ09	ROB	2_HV_CentChHEff	2	1	0	2.81
HVAC1	LDGCZ09	ROB	1_HV_CentChBase	1	1	0.04	2.11
HVAC1	LDGCZ09	ROB	2_HV_CentChHEff	2	1	0	2.11
HVAC1	LGOCZ09	ROB	1_HV_CentChBase	1	1	0.05	2.95
HVAC1	LGOCZ09	ROB	2_HV_CentChHEff	2	1	0	2.95
HVAC1	MSCCZ09	ROB	1_HV_CentChBase	1	1	0	3.1
HVAC1	MSCCZ09	ROB	2_HV_CentChHEff	2	1	0	3.1
HVAC1	REFCZ09	ROB	1_HV_CentChBase	1	1	0	2.43
HVAC1	REFCZ09	ROB	2_HV_CentChHEff	2	1	0	2.43
HVAC1	RETCZ09	ROB	1_HV_CentChBase	1	1	0.04	3.02
HVAC1	RETCZ09	ROB	2_HV_CentChHEff	2	1	0	3.02
HVAC1	RSTCZ09	ROB	1_HV_CentChBase	1	1	0	4.74



SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1	RSTCZ09	ROB	2_HV_CentChHEff	2	1	0	4.74
HVAC1	SCHCZ09	ROB	1_HV_CentChBase	1	1	0.08	3.54
HVAC1	SCHCZ09	ROB	2_HV_CentChHEff	2	1	0	3.54
HVAC1	SMOCZ09	ROB	1_HV_CentChBase	1	1	0	3.01
HVAC1	SMOCZ09	ROB	2_HV_CentChHEff	2	1	0	3.01
HVAC1	WRHCZ09	ROB	1_HV_CentChBase	1	1	0.01	2.8
HVAC1	WRHCZ09	ROB	2_HV_CentChHEff	2	1	0	2.8

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ10	ROB	1_HV_PACge65	1	1	0.24	2.6
HVAC3	COLCZ10	ROB	2_HV_PACge6513	2	1	0	2.6
HVAC3	COLCZ10	ROB	3_HV_PACge6514	3	1	0	2.6
HVAC3	GRCCZ10	ROB	1_HV_PACge65	1	1	0.26	2.83
HVAC3	GRCCZ10	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	GRCCZ10	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	HLTCZ10	ROB	1_HV_PACge65	1	1	0.09	2.81
HVAC3	HLTCZ10	ROB	2_HV_PACge6513	2	1	0	2.81
HVAC3	HLTCZ10	ROB	3_HV_PACge6514	3	1	0	2.81
HVAC3	LDGCZ10	ROB	1_HV_PACge65	1	1	0	2.11
HVAC3	LDGCZ10	ROB	2_HV_PACge6513	2	1	0	2.11
HVAC3	LDGCZ10	ROB	3_HV_PACge6514	3	1	0	2.11
HVAC3	LGOZ10	ROB	1_HV_PACge65	1	1	0.43	2.95
HVAC3	LGOZ10	ROB	2_HV_PACge6513	2	1	0	2.95
HVAC3	LGOZ10	ROB	3_HV_PACge6514	3	1	0	2.95
HVAC3	MSCCZ10	ROB	1_HV_PACge65	1	1	0.04	3.1
HVAC3	MSCCZ10	ROB	2_HV_PACge6513	2	1	0	3.1
HVAC3	MSCCZ10	ROB	3_HV_PACge6514	3	1	0	3.1
HVAC3	REFCZ10	ROB	1_HV_PACge65	1	1	0.13	2.43
HVAC3	REFCZ10	ROB	2_HV_PACge6513	2	1	0	2.43
HVAC3	REFCZ10	ROB	3_HV_PACge6514	3	1	0	2.43
HVAC3	RETCZ10	ROB	1_HV_PACge65	1	1	0.29	3.02
HVAC3	RETCZ10	ROB	2_HV_PACge6513	2	1	0	3.02
HVAC3	RETCZ10	ROB	3_HV_PACge6514	3	1	0	3.02
HVAC3	RSTCZ10	ROB	1_HV_PACge65	1	1	0.3	4.74
HVAC3	RSTCZ10	ROB	2_HV_PACge6513	2	1	0	4.74
HVAC3	RSTCZ10	ROB	3_HV_PACge6514	3	1	0	4.74
HVAC3	SCHCZ10	ROB	1_HV_PACge65	1	1	0.16	3.54
HVAC3	SCHCZ10	ROB	2_HV_PACge6513	2	1	0	3.54
HVAC3	SCHCZ10	ROB	3_HV_PACge6514	3	1	0	3.54
HVAC3	SMOCZ10	ROB	1_HV_PACge65	1	1	0.24	3.01
HVAC3	SMOCZ10	ROB	2_HV_PACge6513	2	1	0	3.01
HVAC3	SMOCZ10	ROB	3_HV_PACge6514	3	1	0	3.01
HVAC3	WRHCZ10	ROB	1_HV_PACge65	1	1	0.05	2.8
HVAC3	WRHCZ10	ROB	2_HV_PACge6513	2	1	0	2.8

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ10	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC24	COLCZ10	RET	2_HV_ChilPmpVFD	1	0.65	0.29	0.23
HVAC24	GRCCZ10	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	HLTCZ10	RET	2_HV_ChilPmpVFD	1	0.6	0	0.38
HVAC24	LDGCZ10	RET	2_HV_ChilPmpVFD	1	0.07	0.01	0.24
HVAC24	LGOCZ10	RET	2_HV_ChilPmpVFD	1	0.14	0	0.41
HVAC24	MSCCZ10	RET	2_HV_ChilPmpVFD	1	0.01	0	0.19
HVAC24	REFCZ10	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ10	RET	2_HV_ChilPmpVFD	1	0.11	0.02	0.34
HVAC24	RSTCZ10	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ10	RET	2_HV_ChilPmpVFD	1	0.26	0	0.11
HVAC24	SMOCZ10	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	WRHCZ10	RET	2_HV_ChilPmpVFD	1	0.05	0	0.11
HVAC23	COLCZ10	RET	2_HV_VAV	1	0.41	0.27	0.98
HVAC23	GRCCZ10	RET	2_HV_VAV	1	0.05	0	0.5
HVAC23	HLTCZ10	RET	2_HV_VAV	1	0.56	0.01	1.17
HVAC23	LDGCZ10	RET	2_HV_VAV	1	0.06	0	0.3
HVAC23	LGOCZ10	RET	2_HV_VAV	1	0.39	0.11	1.19
HVAC23	MSCCZ10	RET	2_HV_VAV	1	0.01	0	0.67
HVAC23	REFCZ10	RET	2_HV_VAV	1	0.03	0.03	0.26
HVAC23	RETCZ10	RET	2_HV_VAV	1	0.06	0.03	0.92
HVAC23	RSTCZ10	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ10	RET	2_HV_VAV	1	0.18	0	0.15
HVAC23	SMOCZ10	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ10	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ10	RET	2_HV_CoolRoof	1	0.18	0	960.46
HVAC22	GRCCZ10	RET	2_HV_CoolRoof	1	0.16	0	1000
HVAC22	HLTCZ10	RET	2_HV_CoolRoof	1	0.16	0	531.22
HVAC22	LDGCZ10	RET	2_HV_CoolRoof	1	0.05	0	485.93
HVAC22	LGOCZ10	RET	2_HV_CoolRoof	1	0.16	0	572.21
HVAC22	MSCCZ10	RET	2_HV_CoolRoof	1	0.04	0	656.38
HVAC22	REFCZ10	RET	2_HV_CoolRoof	1	0.26	0	771.34
HVAC22	RETCZ10	RET	2_HV_CoolRoof	1	0.22	0.06	943.79
HVAC22	RSTCZ10	RET	2_HV_CoolRoof	1	0.06	0	1000
HVAC22	SCHCZ10	RET	2_HV_CoolRoof	1	0.26	0	571.99

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC22	SMOCZ10	RET	2_HV_CoolRoof	1	0.22	0	1000
HVAC22	WRHCZ10	RET	2_HV_CoolRoof	1	0.22	0	653.34
HVAC21SZE	COLCZ10	RET	2_HV_TCtIszE	1	0.03	0	1.46
HVAC21SZE	GRCCZ10	RET	2_HV_TCtIszE	1	0.04	0.02	0.8
HVAC21SZE	HLTCZ10	RET	2_HV_TCtIszE	1	0.1	0.04	1.12
HVAC21SZE	LDGCZ10	RET	2_HV_TCtIszE	1	0.26	0.05	2.43
HVAC21SZE	LGOCZ10	RET	2_HV_TCtIszE	1	0.1	0.04	0.61
HVAC21SZE	MSCCZ10	RET	2_HV_TCtIszE	1	0.01	0	0.93
HVAC21SZE	REFCZ10	RET	2_HV_TCtIszE	1	0	0	0.96
HVAC21SZE	RETCZ10	RET	2_HV_TCtIszE	1	0.17	0.04	0.63
HVAC21SZE	RSTCZ10	RET	2_HV_TCtIszE	1	0.06	0.03	1.1
HVAC21SZE	SCHCZ10	RET	2_HV_TCtIszE	1	0.18	0.09	0.96
HVAC21SZE	SMOCZ10	RET	2_HV_TCtIszE	1	0.11	0.11	0.26
HVAC21SZE	WRHCZ10	RET	2_HV_TCtIszE	1	0.02	0.01	0.94
HVAC20E	COLCZ10	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	GRCCZ10	RET	2_HV_RflSngPane	1	0.09	0	63.19
HVAC20E	HLTCZ10	RET	2_HV_RflSngPane	1	0.03	0	89.83
HVAC20E	LDGCZ10	RET	2_HV_RflSngPane	1	0.18	0	47.34
HVAC20E	LGOCZ10	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	MSCCZ10	RET	2_HV_RflSngPane	1	0.01	0	22.15
HVAC20E	REFCZ10	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	RETCZ10	RET	2_HV_RflSngPane	1	0.04	0	47.78
HVAC20E	RSTCZ10	RET	2_HV_RflSngPane	1	0.04	0	102.44
HVAC20E	SCHCZ10	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	SMOCZ10	RET	2_HV_RflSngPane	1	0.14	0	74.31
HVAC20E	WRHCZ10	RET	2_HV_RflSngPane	1	0.27	0.16	14.38
HVAC2	COLCZ10	ROB	1_HV_PACIt65	1	1	0.26	2.6
HVAC2	COLCZ10	ROB	2_HV_PACIt6513	2	1	0	2.6
HVAC2	COLCZ10	ROB	3_HV_PACIt6514	3	1	0	2.6
HVAC2	GRCCZ10	ROB	1_HV_PACIt65	1	1	0.32	2.83
HVAC2	GRCCZ10	ROB	2_HV_PACIt6513	2	1	0	2.83
HVAC2	GRCCZ10	ROB	3_HV_PACIt6514	3	1	0	2.83
HVAC2	HLTCZ10	ROB	1_HV_PACIt65	1	1	0.34	2.81
HVAC2	HLTCZ10	ROB	2_HV_PACIt6513	2	1	0	2.81
HVAC2	HLTCZ10	ROB	3_HV_PACIt6514	3	1	0	2.81

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	LDGCZ10	ROB	1_HV_PACIt65	1	1	0.19	2.11
HVAC2	LDGCZ10	ROB	2_HV_PACIt6513	2	1	0	2.11
HVAC2	LDGCZ10	ROB	3_HV_PACIt6514	3	1	0	2.11
HVAC2	LGOCZ10	ROB	1_HV_PACIt65	1	1	0.3	2.95
HVAC2	LGOCZ10	ROB	2_HV_PACIt6513	2	1	0	2.95
HVAC2	LGOCZ10	ROB	3_HV_PACIt6514	3	1	0	2.95
HVAC2	MSCCZ10	ROB	1_HV_PACIt65	1	1	0.04	3.1
HVAC2	MSCCZ10	ROB	2_HV_PACIt6513	2	1	0	3.1
HVAC2	MSCCZ10	ROB	3_HV_PACIt6514	3	1	0	3.1
HVAC2	REFCZ10	ROB	1_HV_PACIt65	1	1	0.03	2.43
HVAC2	REFCZ10	ROB	2_HV_PACIt6513	2	1	0	2.43
HVAC2	REFCZ10	ROB	3_HV_PACIt6514	3	1	0	2.43
HVAC2	RETCZ10	ROB	1_HV_PACIt65	1	1	0.36	3.02
HVAC2	RETCZ10	ROB	2_HV_PACIt6513	2	1	0	3.02
HVAC2	RETCZ10	ROB	3_HV_PACIt6514	3	1	0	3.02
HVAC2	RSTCZ10	ROB	1_HV_PACIt65	1	1	0.45	4.74
HVAC2	RSTCZ10	ROB	2_HV_PACIt6513	2	1	0	4.74
HVAC2	RSTCZ10	ROB	3_HV_PACIt6514	3	1	0	4.74
HVAC2	SCHCZ10	ROB	1_HV_PACIt65	1	1	0.43	3.54
HVAC2	SCHCZ10	ROB	2_HV_PACIt6513	2	1	0	3.54
HVAC2	SCHCZ10	ROB	3_HV_PACIt6514	3	1	0	3.54
HVAC2	SMOCZ10	ROB	1_HV_PACIt65	1	1	0.67	3.01
HVAC2	SMOCZ10	ROB	2_HV_PACIt6513	2	1	0	3.01
HVAC2	SMOCZ10	ROB	3_HV_PACIt6514	3	1	0	3.01
HVAC2	WRHCZ10	ROB	1_HV_PACIt65	1	1	0.07	2.8
HVAC2	WRHCZ10	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	WRHCZ10	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC1A	COLCZ10	ROB	1_HV_RecChBase	1	1	0.08	2.6
HVAC1A	COLCZ10	ROB	2_HV_RecChHEff	2	1	0.01	2.6
HVAC1A	GRCCZ10	ROB	1_HV_RecChBase	1	1	0	2.83
HVAC1A	GRCCZ10	ROB	2_HV_RecChHEff	2	1	0	2.83
HVAC1A	HLTCZ10	ROB	1_HV_RecChBase	1	1	0.02	2.81
HVAC1A	HLTCZ10	ROB	2_HV_RecChHEff	2	1	0.08	2.81
HVAC1A	LDGCZ10	ROB	1_HV_RecChBase	1	1	0	2.11
HVAC1A	LDGCZ10	ROB	2_HV_RecChHEff	2	1	0.03	2.11

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	LGOCZ10	ROB	1_HV_RecChBase	1	1	0.13	2.95
HVAC1A	LGOCZ10	ROB	2_HV_RecChHEff	2	1	0	2.95
HVAC1A	MSCCZ10	ROB	1_HV_RecChBase	1	1	0	3.1
HVAC1A	MSCCZ10	ROB	2_HV_RecChHEff	2	1	0	3.1
HVAC1A	REFCZ10	ROB	1_HV_RecChBase	1	1	0	2.43
HVAC1A	REFCZ10	ROB	2_HV_RecChHEff	2	1	0	2.43
HVAC1A	RETCZ10	ROB	1_HV_RecChBase	1	1	0.02	3.02
HVAC1A	RETCZ10	ROB	2_HV_RecChHEff	2	1	0.04	3.02
HVAC1A	RSTCZ10	ROB	1_HV_RecChBase	1	1	0	4.74
HVAC1A	RSTCZ10	ROB	2_HV_RecChHEff	2	1	0	4.74
HVAC1A	SCHCZ10	ROB	1_HV_RecChBase	1	1	0.05	3.54
HVAC1A	SCHCZ10	ROB	2_HV_RecChHEff	2	1	0.04	3.54
HVAC1A	SMOCZ10	ROB	1_HV_RecChBase	1	1	0	3.01
HVAC1A	SMOCZ10	ROB	2_HV_RecChHEff	2	1	0	3.01
HVAC1A	WRHCZ10	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	WRHCZ10	ROB	2_HV_RecChHEff	2	1	0	2.8
HVAC15	COLCZ10	RET	2_HV_DXTuneUp	2	0.38	0.09	2.6
HVAC15	GRCCZ10	RET	2_HV_DXTuneUp	2	0.6	0.15	2.83
HVAC15	HLTCZ10	RET	2_HV_DXTuneUp	2	0.4	0.1	2.81
HVAC15	LDGCZ10	RET	2_HV_DXTuneUp	2	0.58	0.15	2.11
HVAC15	LGOCZ10	RET	2_HV_DXTuneUp	2	0.75	0.19	2.95
HVAC15	MSCCZ10	RET	2_HV_DXTuneUp	2	0.89	0.22	2.73
HVAC15	REFCZ10	RET	2_HV_DXTuneUp	2	0.16	0.04	2.43
HVAC15	RETCZ10	RET	2_HV_DXTuneUp	2	0.65	0.16	3.02
HVAC15	RSTCZ10	RET	2_HV_DXTuneUp	2	0.72	0.18	4.74
HVAC15	SCHCZ10	RET	2_HV_DXTuneUp	2	0.57	0.14	3.54
HVAC15	SMOCZ10	RET	2_HV_DXTuneUp	2	0.95	0.24	3.01
HVAC15	WRHCZ10	RET	2_HV_DXTuneUp	2	0.12	0.03	2.8
HVAC14	COLCZ10	RET	2_HV_CHTuneUp	2	0.28	0.07	2.6
HVAC14	GRCCZ10	RET	2_HV_CHTuneUp	2	0	0	2.83
HVAC14	HLTCZ10	RET	2_HV_CHTuneUp	2	0.52	0.13	2.81
HVAC14	LDGCZ10	RET	2_HV_CHTuneUp	2	0.11	0.03	2.11
HVAC14	LGOCZ10	RET	2_HV_CHTuneUp	2	0.2	0.05	2.95
HVAC14	MSCCZ10	RET	2_HV_CHTuneUp	2	0.01	0	2.73
HVAC14	REFCZ10	RET	2_HV_CHTuneUp	2	0	0	2.43

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC14	RETCZ10	RET	2_HV_CHTuneUp	2	0.1	0.03	3.02
HVAC14	RSTCZ10	RET	2_HV_CHTuneUp	2	0	0	4.74
HVAC14	SCHCZ10	RET	2_HV_CHTuneUp	2	0.16	0.04	3.54
HVAC14	SMOCZ10	RET	2_HV_CHTuneUp	2	0	0	3.01
HVAC14	WRHCZ10	RET	2_HV_CHTuneUp	2	0	0	2.8
HVAC13	COLCZ10	ROB	1_HV_PTUge24	1	1	0	2.6
HVAC13	COLCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.6
HVAC13	GRCCZ10	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	GRCCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	HLTCZ10	ROB	1_HV_PTUge24	1	1	0	2.81
HVAC13	HLTCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.81
HVAC13	LDGCZ10	ROB	1_HV_PTUge24	1	1	0	2.11
HVAC13	LDGCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.11
HVAC13	LGOCZ10	ROB	1_HV_PTUge24	1	1	0	2.95
HVAC13	LGOCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.95
HVAC13	MSCCZ10	ROB	1_HV_PTUge24	1	1	0	3.1
HVAC13	MSCCZ10	ROB	2_HV_PTUge24HE	2	1	0	3.1
HVAC13	REFCZ10	ROB	1_HV_PTUge24	1	1	0	2.43
HVAC13	REFCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.43
HVAC13	RETCZ10	ROB	1_HV_PTUge24	1	1	0	3.02
HVAC13	RETCZ10	ROB	2_HV_PTUge24HE	2	1	0	3.02
HVAC13	RSTCZ10	ROB	1_HV_PTUge24	1	1	0	4.74
HVAC13	RSTCZ10	ROB	2_HV_PTUge24HE	2	1	0	4.74
HVAC13	SCHCZ10	ROB	1_HV_PTUge24	1	1	0	3.54
HVAC13	SCHCZ10	ROB	2_HV_PTUge24HE	2	1	0	3.54
HVAC13	SMOCZ10	ROB	1_HV_PTUge24	1	1	0	3.01
HVAC13	SMOCZ10	ROB	2_HV_PTUge24HE	2	1	0	3.01
HVAC13	WRHCZ10	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	WRHCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC10	COLCZ10	ROB	1_HV_PTUIt24	1	1	0.03	2.6
HVAC10	COLCZ10	ROB	2_HV_PTUIt24HE	2	1	0	2.6
HVAC10	GRCCZ10	ROB	1_HV_PTUIt24	1	1	0.01	2.83
HVAC10	GRCCZ10	ROB	2_HV_PTUIt24HE	2	1	0	2.83
HVAC10	HLTCZ10	ROB	1_HV_PTUIt24	1	1	0.02	2.81
HVAC10	HLTCZ10	ROB	2_HV_PTUIt24HE	2	1	0	2.81

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	LDGCZ10	ROB	1_HV_PTUlt24	1	1	0.43	2.11
HVAC10	LDGCZ10	ROB	2_HV_PTUlt24HE	2	1	0	2.11
HVAC10	LGOCZ10	ROB	1_HV_PTUlt24	1	1	0	2.95
HVAC10	LGOCZ10	ROB	2_HV_PTUlt24HE	2	1	0	2.95
HVAC10	MSCCZ10	ROB	1_HV_PTUlt24	1	1	0	3.1
HVAC10	MSCCZ10	ROB	2_HV_PTUlt24HE	2	1	0	3.1
HVAC10	REFCZ10	ROB	1_HV_PTUlt24	1	1	0	2.43
HVAC10	REFCZ10	ROB	2_HV_PTUlt24HE	2	1	0	2.43
HVAC10	RETCZ10	ROB	1_HV_PTUlt24	1	1	0	3.02
HVAC10	RETCZ10	ROB	2_HV_PTUlt24HE	2	1	0	3.02
HVAC10	RSTCZ10	ROB	1_HV_PTUlt24	1	1	0	4.74
HVAC10	RSTCZ10	ROB	2_HV_PTUlt24HE	2	1	0	4.74
HVAC10	SCHCZ10	ROB	1_HV_PTUlt24	1	1	0	3.54
HVAC10	SCHCZ10	ROB	2_HV_PTUlt24HE	2	1	0	3.54
HVAC10	SMOCZ10	ROB	1_HV_PTUlt24	1	1	0.04	3.01
HVAC10	SMOCZ10	ROB	2_HV_PTUlt24HE	2	1	0	3.01
HVAC10	WRHCZ10	ROB	1_HV_PTUlt24	1	1	0	2.8
HVAC10	WRHCZ10	ROB	2_HV_PTUlt24HE	2	1	0	2.8
HVAC1	COLCZ10	ROB	1_HV_CentChBase	1	1	0.21	2.6
HVAC1	COLCZ10	ROB	2_HV_CentChHEff	2	1	0	2.6
HVAC1	GRCCZ10	ROB	1_HV_CentChBase	1	1	0	2.83
HVAC1	GRCCZ10	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	HLTCZ10	ROB	1_HV_CentChBase	1	1	0.41	2.81
HVAC1	HLTCZ10	ROB	2_HV_CentChHEff	2	1	0	2.81
HVAC1	LDGCZ10	ROB	1_HV_CentChBase	1	1	0.04	2.11
HVAC1	LDGCZ10	ROB	2_HV_CentChHEff	2	1	0	2.11
HVAC1	LGOCZ10	ROB	1_HV_CentChBase	1	1	0.05	2.95
HVAC1	LGOCZ10	ROB	2_HV_CentChHEff	2	1	0	2.95
HVAC1	MSCCZ10	ROB	1_HV_CentChBase	1	1	0	3.1
HVAC1	MSCCZ10	ROB	2_HV_CentChHEff	2	1	0	3.1
HVAC1	REFCZ10	ROB	1_HV_CentChBase	1	1	0	2.43
HVAC1	REFCZ10	ROB	2_HV_CentChHEff	2	1	0	2.43
HVAC1	RETCZ10	ROB	1_HV_CentChBase	1	1	0.04	3.02
HVAC1	RETCZ10	ROB	2_HV_CentChHEff	2	1	0	3.02
HVAC1	RSTCZ10	ROB	1_HV_CentChBase	1	1	0	4.74



SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1	RSTCZ10	ROB	2_HV_CentChHEff	2	1	0	4.74
HVAC1	SCHCZ10	ROB	1_HV_CentChBase	1	1	0.08	3.54
HVAC1	SCHCZ10	ROB	2_HV_CentChHEff	2	1	0	3.54
HVAC1	SMOCZ10	ROB	1_HV_CentChBase	1	1	0	3.01
HVAC1	SMOCZ10	ROB	2_HV_CentChHEff	2	1	0	3.01
HVAC1	WRHCZ10	ROB	1_HV_CentChBase	1	1	0.01	2.8
HVAC1	WRHCZ10	ROB	2_HV_CentChHEff	2	1	0	2.8

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ13	ROB	1_HV_PACge65	1	1	0.4	3.38
HVAC3	COLCZ13	ROB	2_HV_PACge6513	2	1	0	3.38
HVAC3	COLCZ13	ROB	3_HV_PACge6514	3	1	0	3.38
HVAC3	GRCCZ13	ROB	1_HV_PACge65	1	1	0.38	3.73
HVAC3	GRCCZ13	ROB	2_HV_PACge6513	2	1	0	3.73
HVAC3	GRCCZ13	ROB	3_HV_PACge6514	3	1	0	3.73
HVAC3	HLTCZ13	ROB	1_HV_PACge65	1	1	0.3	3
HVAC3	HLTCZ13	ROB	2_HV_PACge6513	2	1	0	3
HVAC3	HLTCZ13	ROB	3_HV_PACge6514	3	1	0	3
HVAC3	LDGCZ13	ROB	1_HV_PACge65	1	1	0.04	2.32
HVAC3	LDGCZ13	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	LDGCZ13	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	LGOZ13	ROB	1_HV_PACge65	1	1	0.76	3.97
HVAC3	LGOZ13	ROB	2_HV_PACge6513	2	1	0	3.97
HVAC3	LGOZ13	ROB	3_HV_PACge6514	3	1	0	3.97
HVAC3	MSCCZ13	ROB	1_HV_PACge65	1	1	0.04	2.48
HVAC3	MSCCZ13	ROB	2_HV_PACge6513	2	1	0	2.48
HVAC3	MSCCZ13	ROB	3_HV_PACge6514	3	1	0	2.48
HVAC3	REFCZ13	ROB	1_HV_PACge65	1	1	0.03	3.83
HVAC3	REFCZ13	ROB	2_HV_PACge6513	2	1	0	3.83
HVAC3	REFCZ13	ROB	3_HV_PACge6514	3	1	0	3.83
HVAC3	RETCZ13	ROB	1_HV_PACge65	1	1	0.52	2.38
HVAC3	RETCZ13	ROB	2_HV_PACge6513	2	1	0	2.38
HVAC3	RETCZ13	ROB	3_HV_PACge6514	3	1	0	2.38
HVAC3	RSTCZ13	ROB	1_HV_PACge65	1	1	0.23	3.87
HVAC3	RSTCZ13	ROB	2_HV_PACge6513	2	1	0	3.87
HVAC3	RSTCZ13	ROB	3_HV_PACge6514	3	1	0	3.87
HVAC3	SCHCZ13	ROB	1_HV_PACge65	1	1	0.28	3.53
HVAC3	SCHCZ13	ROB	2_HV_PACge6513	2	1	0	3.53
HVAC3	SCHCZ13	ROB	3_HV_PACge6514	3	1	0	3.53
HVAC3	SMOCZ13	ROB	1_HV_PACge65	1	1	0.2	3.57
HVAC3	SMOCZ13	ROB	2_HV_PACge6513	2	1	0	3.57
HVAC3	SMOCZ13	ROB	3_HV_PACge6514	3	1	0	3.57
HVAC3	WRHCZ13	ROB	1_HV_PACge65	1	1	0.04	2.28
HVAC3	WRHCZ13	ROB	2_HV_PACge6513	2	1	0	2.28

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ13	ROB	3_HV_PACge6514	3	1	0	2.28
HVAC24	COLCZ13	RET	2_HV_ChilPmpVFD	1	0.38	0	0.56
HVAC24	GRCCZ13	RET	2_HV_ChilPmpVFD	1	0.08	0	0.1
HVAC24	HLTCZ13	RET	2_HV_ChilPmpVFD	1	0.23	0.08	0.66
HVAC24	LDGCZ13	RET	2_HV_ChilPmpVFD	1	0.5	0	0.41
HVAC24	LGOCZ13	RET	2_HV_ChilPmpVFD	1	0.14	0.02	0.38
HVAC24	MSCCZ13	RET	2_HV_ChilPmpVFD	1	0.01	0	0.38
HVAC24	REFCZ13	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ13	RET	2_HV_ChilPmpVFD	1	0.02	0	0.29
HVAC24	RSTCZ13	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ13	RET	2_HV_ChilPmpVFD	1	0.21	0	0.34
HVAC24	SMOCZ13	RET	2_HV_ChilPmpVFD	1	0.01	0	0.06
HVAC24	WRHCZ13	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ13	RET	2_HV_VAV	1	0.02	0	1.7
HVAC23	GRCCZ13	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ13	RET	2_HV_VAV	1	0.19	0.06	1.15
HVAC23	LDGCZ13	RET	2_HV_VAV	1	0.2	0.01	0.14
HVAC23	LGOCZ13	RET	2_HV_VAV	1	0.24	0.17	1.2
HVAC23	MSCCZ13	RET	2_HV_VAV	1	0	0	0
HVAC23	REFCZ13	RET	2_HV_VAV	1	0	0	0
HVAC23	RETCZ13	RET	2_HV_VAV	1	0.02	0.01	0.77
HVAC23	RSTCZ13	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ13	RET	2_HV_VAV	1	0.12	0.01	0.86
HVAC23	SMOCZ13	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ13	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ13	RET	2_HV_CoolRoof	1	0.61	0	206.77
HVAC22	GRCCZ13	RET	2_HV_CoolRoof	1	0.32	0	999.68
HVAC22	HLTCZ13	RET	2_HV_CoolRoof	1	0.2	0	604.61
HVAC22	LDGCZ13	RET	2_HV_CoolRoof	1	0.19	0	243.35
HVAC22	LGOCZ13	RET	2_HV_CoolRoof	1	0.01	0	801.41
HVAC22	MSCCZ13	RET	2_HV_CoolRoof	1	0.02	0	855.53
HVAC22	REFCZ13	RET	2_HV_CoolRoof	1	0.25	0	528.37
HVAC22	RETCZ13	RET	2_HV_CoolRoof	1	0.32	0.03	774.47
HVAC22	RSTCZ13	RET	2_HV_CoolRoof	1	0.14	0	1000
HVAC22	SCHCZ13	RET	2_HV_CoolRoof	1	0.42	0	577.38

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC22	SMOCZ13	RET	2_HV_CoolRoof	1	0.29	0	939.49
HVAC22	WRHCZ13	RET	2_HV_CoolRoof	1	0.04	0	1000
HVAC21SZE	COLCZ13	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	GRCCZ13	RET	2_HV_TCtIszE	1	0.02	0	1
HVAC21SZE	HLTCZ13	RET	2_HV_TCtIszE	1	0.05	0.05	1.76
HVAC21SZE	LDGCZ13	RET	2_HV_TCtIszE	1	0.1	0	3.56
HVAC21SZE	LGOCZ13	RET	2_HV_TCtIszE	1	0.04	0.04	0.99
HVAC21SZE	MSCCZ13	RET	2_HV_TCtIszE	1	0	0	0.86
HVAC21SZE	REFCZ13	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	RETCZ13	RET	2_HV_TCtIszE	1	0.03	0.02	0.47
HVAC21SZE	RSTCZ13	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	SCHCZ13	RET	2_HV_TCtIszE	1	0.13	0.13	0.35
HVAC21SZE	SMOCZ13	RET	2_HV_TCtIszE	1	0.01	0.01	1.67
HVAC21SZE	WRHCZ13	RET	2_HV_TCtIszE	1	0	0	0
HVAC20E	COLCZ13	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ13	RET	2_HV_RfISngPane	1	0.03	0	47.63
HVAC20E	HLTCZ13	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	LDGCZ13	RET	2_HV_RfISngPane	1	0.02	0	53.91
HVAC20E	LGOCZ13	RET	2_HV_RfISngPane	1	0	0	152.09
HVAC20E	MSCCZ13	RET	2_HV_RfISngPane	1	0	0	31.62
HVAC20E	REFCZ13	RET	2_HV_RfISngPane	1	0.01	0	1.12
HVAC20E	RETCZ13	RET	2_HV_RfISngPane	1	0.05	0	15.15
HVAC20E	RSTCZ13	RET	2_HV_RfISngPane	1	0.03	0	160.2
HVAC20E	SCHCZ13	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SMOCZ13	RET	2_HV_RfISngPane	1	0.24	0	90.26
HVAC20E	WRHCZ13	RET	2_HV_RfISngPane	1	0	0	0
HVAC2	COLCZ13	ROB	1_HV_PACIt65	1	1	0.05	3.38
HVAC2	COLCZ13	ROB	2_HV_PACIt6513	2	1	0	3.38
HVAC2	COLCZ13	ROB	3_HV_PACIt6514	3	1	0	3.38
HVAC2	GRCCZ13	ROB	1_HV_PACIt65	1	1	0.23	3.73
HVAC2	GRCCZ13	ROB	2_HV_PACIt6513	2	1	0	3.73
HVAC2	GRCCZ13	ROB	3_HV_PACIt6514	3	1	0	3.73
HVAC2	HLTCZ13	ROB	1_HV_PACIt65	1	1	0.44	3
HVAC2	HLTCZ13	ROB	2_HV_PACIt6513	2	1	0	3
HVAC2	HLTCZ13	ROB	3_HV_PACIt6514	3	1	0	3

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	LDGCZ13	ROB	1_HV_PACIt65	1	1	0.32	2.32
HVAC2	LDGCZ13	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	LDGCZ13	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	LGOCZ13	ROB	1_HV_PACIt65	1	1	0.05	3.97
HVAC2	LGOCZ13	ROB	2_HV_PACIt6513	2	1	0	3.97
HVAC2	LGOCZ13	ROB	3_HV_PACIt6514	3	1	0	3.97
HVAC2	MSCCZ13	ROB	1_HV_PACIt65	1	1	0.05	2.48
HVAC2	MSCCZ13	ROB	2_HV_PACIt6513	2	1	0	2.48
HVAC2	MSCCZ13	ROB	3_HV_PACIt6514	3	1	0	2.48
HVAC2	REFCZ13	ROB	1_HV_PACIt65	1	1	0.03	3.83
HVAC2	REFCZ13	ROB	2_HV_PACIt6513	2	1	0	3.83
HVAC2	REFCZ13	ROB	3_HV_PACIt6514	3	1	0	3.83
HVAC2	RETCZ13	ROB	1_HV_PACIt65	1	1	0.3	2.38
HVAC2	RETCZ13	ROB	2_HV_PACIt6513	2	1	0	2.38
HVAC2	RETCZ13	ROB	3_HV_PACIt6514	3	1	0	2.38
HVAC2	RSTCZ13	ROB	1_HV_PACIt65	1	1	0.67	3.87
HVAC2	RSTCZ13	ROB	2_HV_PACIt6513	2	1	0	3.87
HVAC2	RSTCZ13	ROB	3_HV_PACIt6514	3	1	0	3.87
HVAC2	SCHCZ13	ROB	1_HV_PACIt65	1	1	0.44	3.53
HVAC2	SCHCZ13	ROB	2_HV_PACIt6513	2	1	0	3.53
HVAC2	SCHCZ13	ROB	3_HV_PACIt6514	3	1	0	3.53
HVAC2	SMOCZ13	ROB	1_HV_PACIt65	1	1	0.64	3.57
HVAC2	SMOCZ13	ROB	2_HV_PACIt6513	2	1	0	3.57
HVAC2	SMOCZ13	ROB	3_HV_PACIt6514	3	1	0	3.57
HVAC2	WRHCZ13	ROB	1_HV_PACIt65	1	1	0.17	2.28
HVAC2	WRHCZ13	ROB	2_HV_PACIt6513	2	1	0	2.28
HVAC2	WRHCZ13	ROB	3_HV_PACIt6514	3	1	0	2.28
HVAC1A	COLCZ13	ROB	1_HV_RecChBase	1	1	0	3.38
HVAC1A	COLCZ13	ROB	2_HV_RecChHEff	2	1	0.04	3.38
HVAC1A	GRCCZ13	ROB	1_HV_RecChBase	1	1	0.09	3.73
HVAC1A	GRCCZ13	ROB	2_HV_RecChHEff	2	1	0	3.73
HVAC1A	HLTCZ13	ROB	1_HV_RecChBase	1	1	0.07	3
HVAC1A	HLTCZ13	ROB	2_HV_RecChHEff	2	1	0.01	3
HVAC1A	LDGCZ13	ROB	1_HV_RecChBase	1	1	0	2.32
HVAC1A	LDGCZ13	ROB	2_HV_RecChHEff	2	1	0.04	2.32

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	LGOCZ13	ROB	1_HV_RecChBase	1	1	0.02	3.97
HVAC1A	LGOCZ13	ROB	2_HV_RecChHEff	2	1	0.01	3.97
HVAC1A	MSCCZ13	ROB	1_HV_RecChBase	1	1	0	2.48
HVAC1A	MSCCZ13	ROB	2_HV_RecChHEff	2	1	0	2.48
HVAC1A	REFCZ13	ROB	1_HV_RecChBase	1	1	0	3.83
HVAC1A	REFCZ13	ROB	2_HV_RecChHEff	2	1	0	3.83
HVAC1A	RETCZ13	ROB	1_HV_RecChBase	1	1	0	2.38
HVAC1A	RETCZ13	ROB	2_HV_RecChHEff	2	1	0.01	2.38
HVAC1A	RSTCZ13	ROB	1_HV_RecChBase	1	1	0	3.87
HVAC1A	RSTCZ13	ROB	2_HV_RecChHEff	2	1	0	3.87
HVAC1A	SCHCZ13	ROB	1_HV_RecChBase	1	1	0.02	3.53
HVAC1A	SCHCZ13	ROB	2_HV_RecChHEff	2	1	0.02	3.53
HVAC1A	SMOCZ13	ROB	1_HV_RecChBase	1	1	0.01	3.57
HVAC1A	SMOCZ13	ROB	2_HV_RecChHEff	2	1	0	3.57
HVAC1A	WRHCZ13	ROB	1_HV_RecChBase	1	1	0	2.28
HVAC1A	WRHCZ13	ROB	2_HV_RecChHEff	2	1	0	2.28
HVAC15	COLCZ13	RET	2_HV_DXTuneUp	2	0.44	0.11	3.38
HVAC15	GRCCZ13	RET	2_HV_DXTuneUp	2	0.7	0.18	3.73
HVAC15	HLTCZ13	RET	2_HV_DXTuneUp	2	0.77	0.19	3
HVAC15	LDGCZ13	RET	2_HV_DXTuneUp	2	0.49	0.12	2.32
HVAC15	LGOCZ13	RET	2_HV_DXTuneUp	2	0.8	0.2	3.97
HVAC15	MSCCZ13	RET	2_HV_DXTuneUp	2	0.08	0.02	2.27
HVAC15	REFCZ13	RET	2_HV_DXTuneUp	2	0.09	0.02	3.83
HVAC15	RETCZ13	RET	2_HV_DXTuneUp	2	0.86	0.21	2.38
HVAC15	RSTCZ13	RET	2_HV_DXTuneUp	2	0.9	0.23	3.87
HVAC15	SCHCZ13	RET	2_HV_DXTuneUp	2	0.71	0.18	3.53
HVAC15	SMOCZ13	RET	2_HV_DXTuneUp	2	0.83	0.21	3.57
HVAC15	WRHCZ13	RET	2_HV_DXTuneUp	2	0.2	0.05	2.28
HVAC14	COLCZ13	RET	2_HV_CHTuneUp	2	0.32	0.08	3.38
HVAC14	GRCCZ13	RET	2_HV_CHTuneUp	2	0.03	0.01	3.73
HVAC14	HLTCZ13	RET	2_HV_CHTuneUp	2	0.22	0.05	3
HVAC14	LDGCZ13	RET	2_HV_CHTuneUp	2	0.47	0.12	2.32
HVAC14	LGOCZ13	RET	2_HV_CHTuneUp	2	0.15	0.04	3.97
HVAC14	MSCCZ13	RET	2_HV_CHTuneUp	2	0	0	2.27
HVAC14	REFCZ13	RET	2_HV_CHTuneUp	2	0	0	3.83

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC14	RETCZ13	RET	2_HV_CHTuneUp	2	0.03	0.01	2.38
HVAC14	RSTCZ13	RET	2_HV_CHTuneUp	2	0	0	3.87
HVAC14	SCHCZ13	RET	2_HV_CHTuneUp	2	0.16	0.04	3.53
HVAC14	SMOCZ13	RET	2_HV_CHTuneUp	2	0.01	0	3.57
HVAC14	WRHCZ13	RET	2_HV_CHTuneUp	2	0	0	2.28
HVAC13	COLCZ13	ROB	1_HV_PTUge24	1	1	0	3.38
HVAC13	COLCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.38
HVAC13	GRCCZ13	ROB	1_HV_PTUge24	1	1	0	3.73
HVAC13	GRCCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.73
HVAC13	HLTCZ13	ROB	1_HV_PTUge24	1	1	0	3
HVAC13	HLTCZ13	ROB	2_HV_PTUge24HE	2	1	0	3
HVAC13	LDGCZ13	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	LDGCZ13	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	LGOCZ13	ROB	1_HV_PTUge24	1	1	0	3.97
HVAC13	LGOCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.97
HVAC13	MSCCZ13	ROB	1_HV_PTUge24	1	1	0	2.48
HVAC13	MSCCZ13	ROB	2_HV_PTUge24HE	2	1	0	2.48
HVAC13	REFCZ13	ROB	1_HV_PTUge24	1	1	0	3.83
HVAC13	REFCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.83
HVAC13	RETCZ13	ROB	1_HV_PTUge24	1	1	0	2.38
HVAC13	RETCZ13	ROB	2_HV_PTUge24HE	2	1	0	2.38
HVAC13	RSTCZ13	ROB	1_HV_PTUge24	1	1	0	3.87
HVAC13	RSTCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.87
HVAC13	SCHCZ13	ROB	1_HV_PTUge24	1	1	0.04	3.53
HVAC13	SCHCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.53
HVAC13	SMOCZ13	ROB	1_HV_PTUge24	1	1	0	3.57
HVAC13	SMOCZ13	ROB	2_HV_PTUge24HE	2	1	0	3.57
HVAC13	WRHCZ13	ROB	1_HV_PTUge24	1	1	0	2.28
HVAC13	WRHCZ13	ROB	2_HV_PTUge24HE	2	1	0	2.28
HVAC10	COLCZ13	ROB	1_HV_PTUIt24	1	1	0	3.38
HVAC10	COLCZ13	ROB	2_HV_PTUIt24HE	2	1	0	3.38
HVAC10	GRCCZ13	ROB	1_HV_PTUIt24	1	1	0	3.73
HVAC10	GRCCZ13	ROB	2_HV_PTUIt24HE	2	1	0	3.73
HVAC10	HLTCZ13	ROB	1_HV_PTUIt24	1	1	0.01	3
HVAC10	HLTCZ13	ROB	2_HV_PTUIt24HE	2	1	0	3

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	LDGCZ13	ROB	1_HV_PTUlt24	1	1	0.22	2.32
HVAC10	LDGCZ13	ROB	2_HV_PTUlt24HE	2	1	0	2.32
HVAC10	LGOCZ13	ROB	1_HV_PTUlt24	1	1	0	3.97
HVAC10	LGOCZ13	ROB	2_HV_PTUlt24HE	2	1	0	3.97
HVAC10	MSCCZ13	ROB	1_HV_PTUlt24	1	1	0	2.48
HVAC10	MSCCZ13	ROB	2_HV_PTUlt24HE	2	1	0	2.48
HVAC10	REFCZ13	ROB	1_HV_PTUlt24	1	1	0	3.83
HVAC10	REFCZ13	ROB	2_HV_PTUlt24HE	2	1	0	3.83
HVAC10	RETCZ13	ROB	1_HV_PTUlt24	1	1	0	2.38
HVAC10	RETCZ13	ROB	2_HV_PTUlt24HE	2	1	0	2.38
HVAC10	RSTCZ13	ROB	1_HV_PTUlt24	1	1	0	3.87
HVAC10	RSTCZ13	ROB	2_HV_PTUlt24HE	2	1	0	3.87
HVAC10	SCHCZ13	ROB	1_HV_PTUlt24	1	1	0	3.53
HVAC10	SCHCZ13	ROB	2_HV_PTUlt24HE	2	1	0	3.53
HVAC10	SMOCZ13	ROB	1_HV_PTUlt24	1	1	0	3.57
HVAC10	SMOCZ13	ROB	2_HV_PTUlt24HE	2	1	0	3.57
HVAC10	WRHCZ13	ROB	1_HV_PTUlt24	1	1	0	2.28
HVAC10	WRHCZ13	ROB	2_HV_PTUlt24HE	2	1	0	2.28
HVAC1	COLCZ13	ROB	1_HV_CentChBase	1	1	0.24	3.38
HVAC1	COLCZ13	ROB	2_HV_CentChHEff	2	1	0	3.38
HVAC1	GRCCZ13	ROB	1_HV_CentChBase	1	1	0	3.73
HVAC1	GRCCZ13	ROB	2_HV_CentChHEff	2	1	0	3.73
HVAC1	HLTCZ13	ROB	1_HV_CentChBase	1	1	0.18	3
HVAC1	HLTCZ13	ROB	2_HV_CentChHEff	2	1	0	3
HVAC1	LDGCZ13	ROB	1_HV_CentChBase	1	1	0.34	2.32
HVAC1	LDGCZ13	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	LGOCZ13	ROB	1_HV_CentChBase	1	1	0.09	3.97
HVAC1	LGOCZ13	ROB	2_HV_CentChHEff	2	1	0	3.97
HVAC1	MSCCZ13	ROB	1_HV_CentChBase	1	1	0	2.48
HVAC1	MSCCZ13	ROB	2_HV_CentChHEff	2	1	0	2.48
HVAC1	REFCZ13	ROB	1_HV_CentChBase	1	1	0	3.83
HVAC1	REFCZ13	ROB	2_HV_CentChHEff	2	1	0	3.83
HVAC1	RETCZ13	ROB	1_HV_CentChBase	1	1	0.03	2.38
HVAC1	RETCZ13	ROB	2_HV_CentChHEff	2	1	0	2.38
HVAC1	RSTCZ13	ROB	1_HV_CentChBase	1	1	0	3.87



SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1	RSTCZ13	ROB	2_HV_CentChHEff	2	1	0	3.87
HVAC1	SCHCZ13	ROB	1_HV_CentChBase	1	1	0.12	3.53
HVAC1	SCHCZ13	ROB	2_HV_CentChHEff	2	1	0	3.53
HVAC1	SMOCZ13	ROB	1_HV_CentChBase	1	1	0	3.57
HVAC1	SMOCZ13	ROB	2_HV_CentChHEff	2	1	0	3.57
HVAC1	WRHCZ13	ROB	1_HV_CentChBase	1	1	0	2.28
HVAC1	WRHCZ13	ROB	2_HV_CentChHEff	2	1	0	2.28

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ14	ROB	1_HV_PACge65	1	1	0.4	3.38
HVAC3	COLCZ14	ROB	2_HV_PACge6513	2	1	0	3.38
HVAC3	COLCZ14	ROB	3_HV_PACge6514	3	1	0	3.38
HVAC3	GRCCZ14	ROB	1_HV_PACge65	1	1	0.38	3.73
HVAC3	GRCCZ14	ROB	2_HV_PACge6513	2	1	0	3.73
HVAC3	GRCCZ14	ROB	3_HV_PACge6514	3	1	0	3.73
HVAC3	HLTCZ14	ROB	1_HV_PACge65	1	1	0.3	3
HVAC3	HLTCZ14	ROB	2_HV_PACge6513	2	1	0	3
HVAC3	HLTCZ14	ROB	3_HV_PACge6514	3	1	0	3
HVAC3	LDGCZ14	ROB	1_HV_PACge65	1	1	0.04	2.32
HVAC3	LDGCZ14	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	LDGCZ14	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	LGOZ14	ROB	1_HV_PACge65	1	1	0.76	3.97
HVAC3	LGOZ14	ROB	2_HV_PACge6513	2	1	0	3.97
HVAC3	LGOZ14	ROB	3_HV_PACge6514	3	1	0	3.97
HVAC3	MSCCZ14	ROB	1_HV_PACge65	1	1	0.04	2.48
HVAC3	MSCCZ14	ROB	2_HV_PACge6513	2	1	0	2.48
HVAC3	MSCCZ14	ROB	3_HV_PACge6514	3	1	0	2.48
HVAC3	REFCZ14	ROB	1_HV_PACge65	1	1	0.03	3.83
HVAC3	REFCZ14	ROB	2_HV_PACge6513	2	1	0	3.83
HVAC3	REFCZ14	ROB	3_HV_PACge6514	3	1	0	3.83
HVAC3	RETCZ14	ROB	1_HV_PACge65	1	1	0.52	2.38
HVAC3	RETCZ14	ROB	2_HV_PACge6513	2	1	0	2.38
HVAC3	RETCZ14	ROB	3_HV_PACge6514	3	1	0	2.38
HVAC3	RSTCZ14	ROB	1_HV_PACge65	1	1	0.23	3.87
HVAC3	RSTCZ14	ROB	2_HV_PACge6513	2	1	0	3.87
HVAC3	RSTCZ14	ROB	3_HV_PACge6514	3	1	0	3.87
HVAC3	SCHCZ14	ROB	1_HV_PACge65	1	1	0.28	3.53
HVAC3	SCHCZ14	ROB	2_HV_PACge6513	2	1	0	3.53
HVAC3	SCHCZ14	ROB	3_HV_PACge6514	3	1	0	3.53
HVAC3	SMOCZ14	ROB	1_HV_PACge65	1	1	0.2	3.57
HVAC3	SMOCZ14	ROB	2_HV_PACge6513	2	1	0	3.57
HVAC3	SMOCZ14	ROB	3_HV_PACge6514	3	1	0	3.57
HVAC3	WRHCZ14	ROB	1_HV_PACge65	1	1	0.04	2.28
HVAC3	WRHCZ14	ROB	2_HV_PACge6513	2	1	0	2.28

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ14	ROB	3_HV_PACge6514	3	1	0	2.28
HVAC24	COLCZ14	RET	2_HV_ChilPmpVFD	1	0.38	0	0.56
HVAC24	GRCCZ14	RET	2_HV_ChilPmpVFD	1	0.08	0	0.1
HVAC24	HLTCZ14	RET	2_HV_ChilPmpVFD	1	0.23	0.08	0.66
HVAC24	LDGCZ14	RET	2_HV_ChilPmpVFD	1	0.5	0	0.41
HVAC24	LGOCZ14	RET	2_HV_ChilPmpVFD	1	0.14	0.02	0.38
HVAC24	MSCCZ14	RET	2_HV_ChilPmpVFD	1	0.01	0	0.38
HVAC24	REFCZ14	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ14	RET	2_HV_ChilPmpVFD	1	0.02	0	0.29
HVAC24	RSTCZ14	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ14	RET	2_HV_ChilPmpVFD	1	0.21	0	0.34
HVAC24	SMOCZ14	RET	2_HV_ChilPmpVFD	1	0.01	0	0.06
HVAC24	WRHCZ14	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ14	RET	2_HV_VAV	1	0.02	0	1.7
HVAC23	GRCCZ14	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ14	RET	2_HV_VAV	1	0.19	0.06	1.15
HVAC23	LDGCZ14	RET	2_HV_VAV	1	0.2	0.01	0.14
HVAC23	LGOCZ14	RET	2_HV_VAV	1	0.24	0.17	1.2
HVAC23	MSCCZ14	RET	2_HV_VAV	1	0	0	0
HVAC23	REFCZ14	RET	2_HV_VAV	1	0	0	0
HVAC23	RETCZ14	RET	2_HV_VAV	1	0.02	0.01	0.77
HVAC23	RSTCZ14	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ14	RET	2_HV_VAV	1	0.12	0.01	0.86
HVAC23	SMOCZ14	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ14	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ14	RET	2_HV_CoolRoof	1	0.61	0	206.77
HVAC22	GRCCZ14	RET	2_HV_CoolRoof	1	0.32	0	999.68
HVAC22	HLTCZ14	RET	2_HV_CoolRoof	1	0.2	0	604.61
HVAC22	LDGCZ14	RET	2_HV_CoolRoof	1	0.19	0	243.35
HVAC22	LGOCZ14	RET	2_HV_CoolRoof	1	0.01	0	801.41
HVAC22	MSCCZ14	RET	2_HV_CoolRoof	1	0.02	0	855.53
HVAC22	REFCZ14	RET	2_HV_CoolRoof	1	0.25	0	528.37
HVAC22	RETCZ14	RET	2_HV_CoolRoof	1	0.32	0.03	774.47
HVAC22	RSTCZ14	RET	2_HV_CoolRoof	1	0.14	0	1000
HVAC22	SCHCZ14	RET	2_HV_CoolRoof	1	0.42	0	577.38

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC22	SMOCZ14	RET	2_HV_CoolRoof	1	0.29	0	939.49
HVAC22	WRHCZ14	RET	2_HV_CoolRoof	1	0.04	0	1000
HVAC21SZE	COLCZ14	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	GRCCZ14	RET	2_HV_TCtIszE	1	0.02	0	1
HVAC21SZE	HLTCZ14	RET	2_HV_TCtIszE	1	0.05	0.05	1.76
HVAC21SZE	LDGCZ14	RET	2_HV_TCtIszE	1	0.1	0	3.56
HVAC21SZE	LGOCZ14	RET	2_HV_TCtIszE	1	0.04	0.04	0.99
HVAC21SZE	MSCCZ14	RET	2_HV_TCtIszE	1	0	0	0.86
HVAC21SZE	REFCZ14	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	RETCZ14	RET	2_HV_TCtIszE	1	0.03	0.02	0.47
HVAC21SZE	RSTCZ14	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	SCHCZ14	RET	2_HV_TCtIszE	1	0.13	0.13	0.35
HVAC21SZE	SMOCZ14	RET	2_HV_TCtIszE	1	0.01	0.01	1.67
HVAC21SZE	WRHCZ14	RET	2_HV_TCtIszE	1	0	0	0
HVAC20E	COLCZ14	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ14	RET	2_HV_RfISngPane	1	0.03	0	47.63
HVAC20E	HLTCZ14	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	LDGCZ14	RET	2_HV_RfISngPane	1	0.02	0	53.91
HVAC20E	LGOCZ14	RET	2_HV_RfISngPane	1	0	0	152.09
HVAC20E	MSCCZ14	RET	2_HV_RfISngPane	1	0	0	31.62
HVAC20E	REFCZ14	RET	2_HV_RfISngPane	1	0.01	0	1.12
HVAC20E	RETCZ14	RET	2_HV_RfISngPane	1	0.05	0	15.15
HVAC20E	RSTCZ14	RET	2_HV_RfISngPane	1	0.03	0	160.2
HVAC20E	SCHCZ14	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SMOCZ14	RET	2_HV_RfISngPane	1	0.24	0	90.26
HVAC20E	WRHCZ14	RET	2_HV_RfISngPane	1	0	0	0
HVAC2	COLCZ14	ROB	1_HV_PACIt65	1	1	0.05	3.38
HVAC2	COLCZ14	ROB	2_HV_PACIt6513	2	1	0	3.38
HVAC2	COLCZ14	ROB	3_HV_PACIt6514	3	1	0	3.38
HVAC2	GRCCZ14	ROB	1_HV_PACIt65	1	1	0.23	3.73
HVAC2	GRCCZ14	ROB	2_HV_PACIt6513	2	1	0	3.73
HVAC2	GRCCZ14	ROB	3_HV_PACIt6514	3	1	0	3.73
HVAC2	HLTCZ14	ROB	1_HV_PACIt65	1	1	0.44	3
HVAC2	HLTCZ14	ROB	2_HV_PACIt6513	2	1	0	3
HVAC2	HLTCZ14	ROB	3_HV_PACIt6514	3	1	0	3

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	LDGCZ14	ROB	1_HV_PACIt65	1	1	0.32	2.32
HVAC2	LDGCZ14	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	LDGCZ14	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	LGOCZ14	ROB	1_HV_PACIt65	1	1	0.05	3.97
HVAC2	LGOCZ14	ROB	2_HV_PACIt6513	2	1	0	3.97
HVAC2	LGOCZ14	ROB	3_HV_PACIt6514	3	1	0	3.97
HVAC2	MSCCZ14	ROB	1_HV_PACIt65	1	1	0.05	2.48
HVAC2	MSCCZ14	ROB	2_HV_PACIt6513	2	1	0	2.48
HVAC2	MSCCZ14	ROB	3_HV_PACIt6514	3	1	0	2.48
HVAC2	REFCZ14	ROB	1_HV_PACIt65	1	1	0.03	3.83
HVAC2	REFCZ14	ROB	2_HV_PACIt6513	2	1	0	3.83
HVAC2	REFCZ14	ROB	3_HV_PACIt6514	3	1	0	3.83
HVAC2	RETCZ14	ROB	1_HV_PACIt65	1	1	0.3	2.38
HVAC2	RETCZ14	ROB	2_HV_PACIt6513	2	1	0	2.38
HVAC2	RETCZ14	ROB	3_HV_PACIt6514	3	1	0	2.38
HVAC2	RSTCZ14	ROB	1_HV_PACIt65	1	1	0.67	3.87
HVAC2	RSTCZ14	ROB	2_HV_PACIt6513	2	1	0	3.87
HVAC2	RSTCZ14	ROB	3_HV_PACIt6514	3	1	0	3.87
HVAC2	SCHCZ14	ROB	1_HV_PACIt65	1	1	0.44	3.53
HVAC2	SCHCZ14	ROB	2_HV_PACIt6513	2	1	0	3.53
HVAC2	SCHCZ14	ROB	3_HV_PACIt6514	3	1	0	3.53
HVAC2	SMOCZ14	ROB	1_HV_PACIt65	1	1	0.64	3.57
HVAC2	SMOCZ14	ROB	2_HV_PACIt6513	2	1	0	3.57
HVAC2	SMOCZ14	ROB	3_HV_PACIt6514	3	1	0	3.57
HVAC2	WRHCZ14	ROB	1_HV_PACIt65	1	1	0.17	2.28
HVAC2	WRHCZ14	ROB	2_HV_PACIt6513	2	1	0	2.28
HVAC2	WRHCZ14	ROB	3_HV_PACIt6514	3	1	0	2.28
HVAC1A	COLCZ14	ROB	1_HV_RecChBase	1	1	0	3.38
HVAC1A	COLCZ14	ROB	2_HV_RecChHEff	2	1	0.04	3.38
HVAC1A	GRCCZ14	ROB	1_HV_RecChBase	1	1	0.09	3.73
HVAC1A	GRCCZ14	ROB	2_HV_RecChHEff	2	1	0	3.73
HVAC1A	HLTCZ14	ROB	1_HV_RecChBase	1	1	0.07	3
HVAC1A	HLTCZ14	ROB	2_HV_RecChHEff	2	1	0.01	3
HVAC1A	LDGCZ14	ROB	1_HV_RecChBase	1	1	0	2.32
HVAC1A	LDGCZ14	ROB	2_HV_RecChHEff	2	1	0.04	2.32

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	LGOCZ14	ROB	1_HV_RecChBase	1	1	0.02	3.97
HVAC1A	LGOCZ14	ROB	2_HV_RecChHEff	2	1	0.01	3.97
HVAC1A	MSCCZ14	ROB	1_HV_RecChBase	1	1	0	2.48
HVAC1A	MSCCZ14	ROB	2_HV_RecChHEff	2	1	0	2.48
HVAC1A	REFCZ14	ROB	1_HV_RecChBase	1	1	0	3.83
HVAC1A	REFCZ14	ROB	2_HV_RecChHEff	2	1	0	3.83
HVAC1A	RETCZ14	ROB	1_HV_RecChBase	1	1	0	2.38
HVAC1A	RETCZ14	ROB	2_HV_RecChHEff	2	1	0.01	2.38
HVAC1A	RSTCZ14	ROB	1_HV_RecChBase	1	1	0	3.87
HVAC1A	RSTCZ14	ROB	2_HV_RecChHEff	2	1	0	3.87
HVAC1A	SCHCZ14	ROB	1_HV_RecChBase	1	1	0.02	3.53
HVAC1A	SCHCZ14	ROB	2_HV_RecChHEff	2	1	0.02	3.53
HVAC1A	SMOCZ14	ROB	1_HV_RecChBase	1	1	0.01	3.57
HVAC1A	SMOCZ14	ROB	2_HV_RecChHEff	2	1	0	3.57
HVAC1A	WRHCZ14	ROB	1_HV_RecChBase	1	1	0	2.28
HVAC1A	WRHCZ14	ROB	2_HV_RecChHEff	2	1	0	2.28
HVAC15	COLCZ14	RET	2_HV_DXTuneUp	2	0.44	0.11	3.38
HVAC15	GRCCZ14	RET	2_HV_DXTuneUp	2	0.7	0.18	3.73
HVAC15	HLTCZ14	RET	2_HV_DXTuneUp	2	0.77	0.19	3
HVAC15	LDGCZ14	RET	2_HV_DXTuneUp	2	0.49	0.12	2.32
HVAC15	LGOCZ14	RET	2_HV_DXTuneUp	2	0.8	0.2	3.97
HVAC15	MSCCZ14	RET	2_HV_DXTuneUp	2	0.08	0.02	2.27
HVAC15	REFCZ14	RET	2_HV_DXTuneUp	2	0.09	0.02	3.83
HVAC15	RETCZ14	RET	2_HV_DXTuneUp	2	0.86	0.21	2.38
HVAC15	RSTCZ14	RET	2_HV_DXTuneUp	2	0.9	0.23	3.87
HVAC15	SCHCZ14	RET	2_HV_DXTuneUp	2	0.71	0.18	3.53
HVAC15	SMOCZ14	RET	2_HV_DXTuneUp	2	0.83	0.21	3.57
HVAC15	WRHCZ14	RET	2_HV_DXTuneUp	2	0.2	0.05	2.28
HVAC14	COLCZ14	RET	2_HV_CHTuneUp	2	0.32	0.08	3.38
HVAC14	GRCCZ14	RET	2_HV_CHTuneUp	2	0.03	0.01	3.73
HVAC14	HLTCZ14	RET	2_HV_CHTuneUp	2	0.22	0.05	3
HVAC14	LDGCZ14	RET	2_HV_CHTuneUp	2	0.47	0.12	2.32
HVAC14	LGOCZ14	RET	2_HV_CHTuneUp	2	0.15	0.04	3.97
HVAC14	MSCCZ14	RET	2_HV_CHTuneUp	2	0	0	2.27
HVAC14	REFCZ14	RET	2_HV_CHTuneUp	2	0	0	3.83

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC14	RETCZ14	RET	2_HV_CHTuneUp	2	0.03	0.01	2.38
HVAC14	RSTCZ14	RET	2_HV_CHTuneUp	2	0	0	3.87
HVAC14	SCHCZ14	RET	2_HV_CHTuneUp	2	0.16	0.04	3.53
HVAC14	SMOCZ14	RET	2_HV_CHTuneUp	2	0.01	0	3.57
HVAC14	WRHCZ14	RET	2_HV_CHTuneUp	2	0	0	2.28
HVAC13	COLCZ14	ROB	1_HV_PTUge24	1	1	0	3.38
HVAC13	COLCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.38
HVAC13	GRCCZ14	ROB	1_HV_PTUge24	1	1	0	3.73
HVAC13	GRCCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.73
HVAC13	HLTCZ14	ROB	1_HV_PTUge24	1	1	0	3
HVAC13	HLTCZ14	ROB	2_HV_PTUge24HE	2	1	0	3
HVAC13	LDGCZ14	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	LDGCZ14	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	LGOCZ14	ROB	1_HV_PTUge24	1	1	0	3.97
HVAC13	LGOCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.97
HVAC13	MSCCZ14	ROB	1_HV_PTUge24	1	1	0	2.48
HVAC13	MSCCZ14	ROB	2_HV_PTUge24HE	2	1	0	2.48
HVAC13	REFCZ14	ROB	1_HV_PTUge24	1	1	0	3.83
HVAC13	REFCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.83
HVAC13	RETCZ14	ROB	1_HV_PTUge24	1	1	0	2.38
HVAC13	RETCZ14	ROB	2_HV_PTUge24HE	2	1	0	2.38
HVAC13	RSTCZ14	ROB	1_HV_PTUge24	1	1	0	3.87
HVAC13	RSTCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.87
HVAC13	SCHCZ14	ROB	1_HV_PTUge24	1	1	0.04	3.53
HVAC13	SCHCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.53
HVAC13	SMOCZ14	ROB	1_HV_PTUge24	1	1	0	3.57
HVAC13	SMOCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.57
HVAC13	WRHCZ14	ROB	1_HV_PTUge24	1	1	0	2.28
HVAC13	WRHCZ14	ROB	2_HV_PTUge24HE	2	1	0	2.28
HVAC10	COLCZ14	ROB	1_HV_PTUIt24	1	1	0	3.38
HVAC10	COLCZ14	ROB	2_HV_PTUIt24HE	2	1	0	3.38
HVAC10	GRCCZ14	ROB	1_HV_PTUIt24	1	1	0	3.73
HVAC10	GRCCZ14	ROB	2_HV_PTUIt24HE	2	1	0	3.73
HVAC10	HLTCZ14	ROB	1_HV_PTUIt24	1	1	0.01	3
HVAC10	HLTCZ14	ROB	2_HV_PTUIt24HE	2	1	0	3

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	LDGCZ14	ROB	1_HV_PTUlt24	1	1	0.22	2.32
HVAC10	LDGCZ14	ROB	2_HV_PTUlt24HE	2	1	0	2.32
HVAC10	LGOCZ14	ROB	1_HV_PTUlt24	1	1	0	3.97
HVAC10	LGOCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.97
HVAC10	MSCCZ14	ROB	1_HV_PTUlt24	1	1	0	2.48
HVAC10	MSCCZ14	ROB	2_HV_PTUlt24HE	2	1	0	2.48
HVAC10	REFCZ14	ROB	1_HV_PTUlt24	1	1	0	3.83
HVAC10	REFCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.83
HVAC10	RETCZ14	ROB	1_HV_PTUlt24	1	1	0	2.38
HVAC10	RETCZ14	ROB	2_HV_PTUlt24HE	2	1	0	2.38
HVAC10	RSTCZ14	ROB	1_HV_PTUlt24	1	1	0	3.87
HVAC10	RSTCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.87
HVAC10	SCHCZ14	ROB	1_HV_PTUlt24	1	1	0	3.53
HVAC10	SCHCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.53
HVAC10	SMOCZ14	ROB	1_HV_PTUlt24	1	1	0	3.57
HVAC10	SMOCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.57
HVAC10	WRHCZ14	ROB	1_HV_PTUlt24	1	1	0	2.28
HVAC10	WRHCZ14	ROB	2_HV_PTUlt24HE	2	1	0	2.28
HVAC1	COLCZ14	ROB	1_HV_CentChBase	1	1	0.24	3.38
HVAC1	COLCZ14	ROB	2_HV_CentChHEff	2	1	0	3.38
HVAC1	GRCCZ14	ROB	1_HV_CentChBase	1	1	0	3.73
HVAC1	GRCCZ14	ROB	2_HV_CentChHEff	2	1	0	3.73
HVAC1	HLTCZ14	ROB	1_HV_CentChBase	1	1	0.18	3
HVAC1	HLTCZ14	ROB	2_HV_CentChHEff	2	1	0	3
HVAC1	LDGCZ14	ROB	1_HV_CentChBase	1	1	0.34	2.32
HVAC1	LDGCZ14	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	LGOCZ14	ROB	1_HV_CentChBase	1	1	0.09	3.97
HVAC1	LGOCZ14	ROB	2_HV_CentChHEff	2	1	0	3.97
HVAC1	MSCCZ14	ROB	1_HV_CentChBase	1	1	0	2.48
HVAC1	MSCCZ14	ROB	2_HV_CentChHEff	2	1	0	2.48
HVAC1	REFCZ14	ROB	1_HV_CentChBase	1	1	0	3.83
HVAC1	REFCZ14	ROB	2_HV_CentChHEff	2	1	0	3.83
HVAC1	RETCZ14	ROB	1_HV_CentChBase	1	1	0.03	2.38
HVAC1	RETCZ14	ROB	2_HV_CentChHEff	2	1	0	2.38
HVAC1	RSTCZ14	ROB	1_HV_CentChBase	1	1	0	3.87



SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1	RSTCZ14	ROB	2_HV_CentChHEff	2	1	0	3.87
HVAC1	SCHCZ14	ROB	1_HV_CentChBase	1	1	0.12	3.53
HVAC1	SCHCZ14	ROB	2_HV_CentChHEff	2	1	0	3.53
HVAC1	SMOCZ14	ROB	1_HV_CentChBase	1	1	0	3.57
HVAC1	SMOCZ14	ROB	2_HV_CentChHEff	2	1	0	3.57
HVAC1	WRHCZ14	ROB	1_HV_CentChBase	1	1	0	2.28
HVAC1	WRHCZ14	ROB	2_HV_CentChHEff	2	1	0	2.28

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ15	ROB	1_HV_PACge65	1	1	0.4	3.38
HVAC3	COLCZ15	ROB	2_HV_PACge6513	2	1	0	3.38
HVAC3	COLCZ15	ROB	3_HV_PACge6514	3	1	0	3.38
HVAC3	GRCCZ15	ROB	1_HV_PACge65	1	1	0.38	3.73
HVAC3	GRCCZ15	ROB	2_HV_PACge6513	2	1	0	3.73
HVAC3	GRCCZ15	ROB	3_HV_PACge6514	3	1	0	3.73
HVAC3	HLTCZ15	ROB	1_HV_PACge65	1	1	0.3	3
HVAC3	HLTCZ15	ROB	2_HV_PACge6513	2	1	0	3
HVAC3	HLTCZ15	ROB	3_HV_PACge6514	3	1	0	3
HVAC3	LDGCZ15	ROB	1_HV_PACge65	1	1	0.04	2.32
HVAC3	LDGCZ15	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	LDGCZ15	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	LGOZ15	ROB	1_HV_PACge65	1	1	0.76	3.97
HVAC3	LGOZ15	ROB	2_HV_PACge6513	2	1	0	3.97
HVAC3	LGOZ15	ROB	3_HV_PACge6514	3	1	0	3.97
HVAC3	MSCCZ15	ROB	1_HV_PACge65	1	1	0.04	2.48
HVAC3	MSCCZ15	ROB	2_HV_PACge6513	2	1	0	2.48
HVAC3	MSCCZ15	ROB	3_HV_PACge6514	3	1	0	2.48
HVAC3	REFCZ15	ROB	1_HV_PACge65	1	1	0.03	3.83
HVAC3	REFCZ15	ROB	2_HV_PACge6513	2	1	0	3.83
HVAC3	REFCZ15	ROB	3_HV_PACge6514	3	1	0	3.83
HVAC3	RETCZ15	ROB	1_HV_PACge65	1	1	0.52	2.38
HVAC3	RETCZ15	ROB	2_HV_PACge6513	2	1	0	2.38
HVAC3	RETCZ15	ROB	3_HV_PACge6514	3	1	0	2.38
HVAC3	RSTCZ15	ROB	1_HV_PACge65	1	1	0.23	3.87
HVAC3	RSTCZ15	ROB	2_HV_PACge6513	2	1	0	3.87
HVAC3	RSTCZ15	ROB	3_HV_PACge6514	3	1	0	3.87
HVAC3	SCHCZ15	ROB	1_HV_PACge65	1	1	0.28	3.53
HVAC3	SCHCZ15	ROB	2_HV_PACge6513	2	1	0	3.53
HVAC3	SCHCZ15	ROB	3_HV_PACge6514	3	1	0	3.53
HVAC3	SMOCZ15	ROB	1_HV_PACge65	1	1	0.2	3.57
HVAC3	SMOCZ15	ROB	2_HV_PACge6513	2	1	0	3.57
HVAC3	SMOCZ15	ROB	3_HV_PACge6514	3	1	0	3.57
HVAC3	WRHCZ15	ROB	1_HV_PACge65	1	1	0.04	2.28
HVAC3	WRHCZ15	ROB	2_HV_PACge6513	2	1	0	2.28

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ15	ROB	3_HV_PACge6514	3	1	0	2.28
HVAC24	COLCZ15	RET	2_HV_ChilPmpVFD	1	0.38	0	0.56
HVAC24	GRCCZ15	RET	2_HV_ChilPmpVFD	1	0.08	0	0.1
HVAC24	HLTCZ15	RET	2_HV_ChilPmpVFD	1	0.23	0.08	0.66
HVAC24	LDGCZ15	RET	2_HV_ChilPmpVFD	1	0.5	0	0.41
HVAC24	LGOCZ15	RET	2_HV_ChilPmpVFD	1	0.14	0.02	0.38
HVAC24	MSCCZ15	RET	2_HV_ChilPmpVFD	1	0.01	0	0.38
HVAC24	REFCZ15	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ15	RET	2_HV_ChilPmpVFD	1	0.02	0	0.29
HVAC24	RSTCZ15	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ15	RET	2_HV_ChilPmpVFD	1	0.21	0	0.34
HVAC24	SMOCZ15	RET	2_HV_ChilPmpVFD	1	0.01	0	0.06
HVAC24	WRHCZ15	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ15	RET	2_HV_VAV	1	0.02	0	1.7
HVAC23	GRCCZ15	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ15	RET	2_HV_VAV	1	0.19	0.06	1.15
HVAC23	LDGCZ15	RET	2_HV_VAV	1	0.2	0.01	0.14
HVAC23	LGOCZ15	RET	2_HV_VAV	1	0.24	0.17	1.2
HVAC23	MSCCZ15	RET	2_HV_VAV	1	0	0	0
HVAC23	REFCZ15	RET	2_HV_VAV	1	0	0	0
HVAC23	RETCZ15	RET	2_HV_VAV	1	0.02	0.01	0.77
HVAC23	RSTCZ15	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ15	RET	2_HV_VAV	1	0.12	0.01	0.86
HVAC23	SMOCZ15	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ15	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ15	RET	2_HV_CoolRoof	1	0.61	0	206.77
HVAC22	GRCCZ15	RET	2_HV_CoolRoof	1	0.32	0	999.68
HVAC22	HLTCZ15	RET	2_HV_CoolRoof	1	0.2	0	604.61
HVAC22	LDGCZ15	RET	2_HV_CoolRoof	1	0.19	0	243.35
HVAC22	LGOCZ15	RET	2_HV_CoolRoof	1	0.01	0	801.41
HVAC22	MSCCZ15	RET	2_HV_CoolRoof	1	0.02	0	855.53
HVAC22	REFCZ15	RET	2_HV_CoolRoof	1	0.25	0	528.37
HVAC22	RETCZ15	RET	2_HV_CoolRoof	1	0.32	0.03	774.47
HVAC22	RSTCZ15	RET	2_HV_CoolRoof	1	0.14	0	1000
HVAC22	SCHCZ15	RET	2_HV_CoolRoof	1	0.42	0	577.38

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC22	SMOCZ15	RET	2_HV_CoolRoof	1	0.29	0	939.49
HVAC22	WRHCZ15	RET	2_HV_CoolRoof	1	0.04	0	1000
HVAC21SZE	COLCZ15	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	GRCCZ15	RET	2_HV_TCtIszE	1	0.02	0	1
HVAC21SZE	HLTCZ15	RET	2_HV_TCtIszE	1	0.05	0.05	1.76
HVAC21SZE	LDGCZ15	RET	2_HV_TCtIszE	1	0.1	0	3.56
HVAC21SZE	LGOCZ15	RET	2_HV_TCtIszE	1	0.04	0.04	0.99
HVAC21SZE	MSCCZ15	RET	2_HV_TCtIszE	1	0	0	0.86
HVAC21SZE	REFCZ15	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	RETCZ15	RET	2_HV_TCtIszE	1	0.03	0.02	0.47
HVAC21SZE	RSTCZ15	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	SCHCZ15	RET	2_HV_TCtIszE	1	0.13	0.13	0.35
HVAC21SZE	SMOCZ15	RET	2_HV_TCtIszE	1	0.01	0.01	1.67
HVAC21SZE	WRHCZ15	RET	2_HV_TCtIszE	1	0	0	0
HVAC20E	COLCZ15	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ15	RET	2_HV_RfISngPane	1	0.03	0	47.63
HVAC20E	HLTCZ15	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	LDGCZ15	RET	2_HV_RfISngPane	1	0.02	0	53.91
HVAC20E	LGOCZ15	RET	2_HV_RfISngPane	1	0	0	152.09
HVAC20E	MSCCZ15	RET	2_HV_RfISngPane	1	0	0	31.62
HVAC20E	REFCZ15	RET	2_HV_RfISngPane	1	0.01	0	1.12
HVAC20E	RETCZ15	RET	2_HV_RfISngPane	1	0.05	0	15.15
HVAC20E	RSTCZ15	RET	2_HV_RfISngPane	1	0.03	0	160.2
HVAC20E	SCHCZ15	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SMOCZ15	RET	2_HV_RfISngPane	1	0.24	0	90.26
HVAC20E	WRHCZ15	RET	2_HV_RfISngPane	1	0	0	0
HVAC2	COLCZ15	ROB	1_HV_PACIt65	1	1	0.05	3.38
HVAC2	COLCZ15	ROB	2_HV_PACIt6513	2	1	0	3.38
HVAC2	COLCZ15	ROB	3_HV_PACIt6514	3	1	0	3.38
HVAC2	GRCCZ15	ROB	1_HV_PACIt65	1	1	0.23	3.73
HVAC2	GRCCZ15	ROB	2_HV_PACIt6513	2	1	0	3.73
HVAC2	GRCCZ15	ROB	3_HV_PACIt6514	3	1	0	3.73
HVAC2	HLTCZ15	ROB	1_HV_PACIt65	1	1	0.44	3
HVAC2	HLTCZ15	ROB	2_HV_PACIt6513	2	1	0	3
HVAC2	HLTCZ15	ROB	3_HV_PACIt6514	3	1	0	3

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	LDGCZ15	ROB	1_HV_PACIt65	1	1	0.32	2.32
HVAC2	LDGCZ15	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	LDGCZ15	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	LGOCZ15	ROB	1_HV_PACIt65	1	1	0.05	3.97
HVAC2	LGOCZ15	ROB	2_HV_PACIt6513	2	1	0	3.97
HVAC2	LGOCZ15	ROB	3_HV_PACIt6514	3	1	0	3.97
HVAC2	MSCCZ15	ROB	1_HV_PACIt65	1	1	0.05	2.48
HVAC2	MSCCZ15	ROB	2_HV_PACIt6513	2	1	0	2.48
HVAC2	MSCCZ15	ROB	3_HV_PACIt6514	3	1	0	2.48
HVAC2	REFCZ15	ROB	1_HV_PACIt65	1	1	0.03	3.83
HVAC2	REFCZ15	ROB	2_HV_PACIt6513	2	1	0	3.83
HVAC2	REFCZ15	ROB	3_HV_PACIt6514	3	1	0	3.83
HVAC2	RETCZ15	ROB	1_HV_PACIt65	1	1	0.3	2.38
HVAC2	RETCZ15	ROB	2_HV_PACIt6513	2	1	0	2.38
HVAC2	RETCZ15	ROB	3_HV_PACIt6514	3	1	0	2.38
HVAC2	RSTCZ15	ROB	1_HV_PACIt65	1	1	0.67	3.87
HVAC2	RSTCZ15	ROB	2_HV_PACIt6513	2	1	0	3.87
HVAC2	RSTCZ15	ROB	3_HV_PACIt6514	3	1	0	3.87
HVAC2	SCHCZ15	ROB	1_HV_PACIt65	1	1	0.44	3.53
HVAC2	SCHCZ15	ROB	2_HV_PACIt6513	2	1	0	3.53
HVAC2	SCHCZ15	ROB	3_HV_PACIt6514	3	1	0	3.53
HVAC2	SMOCZ15	ROB	1_HV_PACIt65	1	1	0.64	3.57
HVAC2	SMOCZ15	ROB	2_HV_PACIt6513	2	1	0	3.57
HVAC2	SMOCZ15	ROB	3_HV_PACIt6514	3	1	0	3.57
HVAC2	WRHCZ15	ROB	1_HV_PACIt65	1	1	0.17	2.28
HVAC2	WRHCZ15	ROB	2_HV_PACIt6513	2	1	0	2.28
HVAC2	WRHCZ15	ROB	3_HV_PACIt6514	3	1	0	2.28
HVAC1A	COLCZ15	ROB	1_HV_RecChBase	1	1	0	3.38
HVAC1A	COLCZ15	ROB	2_HV_RecChHEff	2	1	0.04	3.38
HVAC1A	GRCCZ15	ROB	1_HV_RecChBase	1	1	0.09	3.73
HVAC1A	GRCCZ15	ROB	2_HV_RecChHEff	2	1	0	3.73
HVAC1A	HLTCZ15	ROB	1_HV_RecChBase	1	1	0.07	3
HVAC1A	HLTCZ15	ROB	2_HV_RecChHEff	2	1	0.01	3
HVAC1A	LDGCZ15	ROB	1_HV_RecChBase	1	1	0	2.32
HVAC1A	LDGCZ15	ROB	2_HV_RecChHEff	2	1	0.04	2.32

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	LGOCZ15	ROB	1_HV_RecChBase	1	1	0.02	3.97
HVAC1A	LGOCZ15	ROB	2_HV_RecChHEff	2	1	0.01	3.97
HVAC1A	MSCCZ15	ROB	1_HV_RecChBase	1	1	0	2.48
HVAC1A	MSCCZ15	ROB	2_HV_RecChHEff	2	1	0	2.48
HVAC1A	REFCZ15	ROB	1_HV_RecChBase	1	1	0	3.83
HVAC1A	REFCZ15	ROB	2_HV_RecChHEff	2	1	0	3.83
HVAC1A	RETCZ15	ROB	1_HV_RecChBase	1	1	0	2.38
HVAC1A	RETCZ15	ROB	2_HV_RecChHEff	2	1	0.01	2.38
HVAC1A	RSTCZ15	ROB	1_HV_RecChBase	1	1	0	3.87
HVAC1A	RSTCZ15	ROB	2_HV_RecChHEff	2	1	0	3.87
HVAC1A	SCHCZ15	ROB	1_HV_RecChBase	1	1	0.02	3.53
HVAC1A	SCHCZ15	ROB	2_HV_RecChHEff	2	1	0.02	3.53
HVAC1A	SMOCZ15	ROB	1_HV_RecChBase	1	1	0.01	3.57
HVAC1A	SMOCZ15	ROB	2_HV_RecChHEff	2	1	0	3.57
HVAC1A	WRHCZ15	ROB	1_HV_RecChBase	1	1	0	2.28
HVAC1A	WRHCZ15	ROB	2_HV_RecChHEff	2	1	0	2.28
HVAC15	COLCZ15	RET	2_HV_DXTuneUp	2	0.44	0.11	3.38
HVAC15	GRCCZ15	RET	2_HV_DXTuneUp	2	0.7	0.18	3.73
HVAC15	HLTCZ15	RET	2_HV_DXTuneUp	2	0.77	0.19	3
HVAC15	LDGCZ15	RET	2_HV_DXTuneUp	2	0.49	0.12	2.32
HVAC15	LGOCZ15	RET	2_HV_DXTuneUp	2	0.8	0.2	3.97
HVAC15	MSCCZ15	RET	2_HV_DXTuneUp	2	0.08	0.02	2.27
HVAC15	REFCZ15	RET	2_HV_DXTuneUp	2	0.09	0.02	3.83
HVAC15	RETCZ15	RET	2_HV_DXTuneUp	2	0.86	0.21	2.38
HVAC15	RSTCZ15	RET	2_HV_DXTuneUp	2	0.9	0.23	3.87
HVAC15	SCHCZ15	RET	2_HV_DXTuneUp	2	0.71	0.18	3.53
HVAC15	SMOCZ15	RET	2_HV_DXTuneUp	2	0.83	0.21	3.57
HVAC15	WRHCZ15	RET	2_HV_DXTuneUp	2	0.2	0.05	2.28
HVAC14	COLCZ15	RET	2_HV_CHTuneUp	2	0.32	0.08	3.38
HVAC14	GRCCZ15	RET	2_HV_CHTuneUp	2	0.03	0.01	3.73
HVAC14	HLTCZ15	RET	2_HV_CHTuneUp	2	0.22	0.05	3
HVAC14	LDGCZ15	RET	2_HV_CHTuneUp	2	0.47	0.12	2.32
HVAC14	LGOCZ15	RET	2_HV_CHTuneUp	2	0.15	0.04	3.97
HVAC14	MSCCZ15	RET	2_HV_CHTuneUp	2	0	0	2.27
HVAC14	REFCZ15	RET	2_HV_CHTuneUp	2	0	0	3.83

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC14	RETCZ15	RET	2_HV_CHTuneUp	2	0.03	0.01	2.38
HVAC14	RSTCZ15	RET	2_HV_CHTuneUp	2	0	0	3.87
HVAC14	SCHCZ15	RET	2_HV_CHTuneUp	2	0.16	0.04	3.53
HVAC14	SMOCZ15	RET	2_HV_CHTuneUp	2	0.01	0	3.57
HVAC14	WRHCZ15	RET	2_HV_CHTuneUp	2	0	0	2.28
HVAC13	COLCZ15	ROB	1_HV_PTUge24	1	1	0	3.38
HVAC13	COLCZ15	ROB	2_HV_PTUge24HE	2	1	0	3.38
HVAC13	GRCCZ15	ROB	1_HV_PTUge24	1	1	0	3.73
HVAC13	GRCCZ15	ROB	2_HV_PTUge24HE	2	1	0	3.73
HVAC13	HLTCZ15	ROB	1_HV_PTUge24	1	1	0	3
HVAC13	HLTCZ15	ROB	2_HV_PTUge24HE	2	1	0	3
HVAC13	LDGCZ15	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	LDGCZ15	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	LGOCZ15	ROB	1_HV_PTUge24	1	1	0	3.97
HVAC13	LGOCZ15	ROB	2_HV_PTUge24HE	2	1	0	3.97
HVAC13	MSCCZ15	ROB	1_HV_PTUge24	1	1	0	2.48
HVAC13	MSCCZ15	ROB	2_HV_PTUge24HE	2	1	0	2.48
HVAC13	REFCZ15	ROB	1_HV_PTUge24	1	1	0	3.83
HVAC13	REFCZ15	ROB	2_HV_PTUge24HE	2	1	0	3.83
HVAC13	RETCZ15	ROB	1_HV_PTUge24	1	1	0	2.38
HVAC13	RETCZ15	ROB	2_HV_PTUge24HE	2	1	0	2.38
HVAC13	RSTCZ15	ROB	1_HV_PTUge24	1	1	0	3.87
HVAC13	RSTCZ15	ROB	2_HV_PTUge24HE	2	1	0	3.87
HVAC13	SCHCZ15	ROB	1_HV_PTUge24	1	1	0.04	3.53
HVAC13	SCHCZ15	ROB	2_HV_PTUge24HE	2	1	0	3.53
HVAC13	SMOCZ15	ROB	1_HV_PTUge24	1	1	0	3.57
HVAC13	SMOCZ15	ROB	2_HV_PTUge24HE	2	1	0	3.57
HVAC13	WRHCZ15	ROB	1_HV_PTUge24	1	1	0	2.28
HVAC13	WRHCZ15	ROB	2_HV_PTUge24HE	2	1	0	2.28
HVAC10	COLCZ15	ROB	1_HV_PTUIt24	1	1	0	3.38
HVAC10	COLCZ15	ROB	2_HV_PTUIt24HE	2	1	0	3.38
HVAC10	GRCCZ15	ROB	1_HV_PTUIt24	1	1	0	3.73
HVAC10	GRCCZ15	ROB	2_HV_PTUIt24HE	2	1	0	3.73
HVAC10	HLTCZ15	ROB	1_HV_PTUIt24	1	1	0.01	3
HVAC10	HLTCZ15	ROB	2_HV_PTUIt24HE	2	1	0	3

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	LDGCZ15	ROB	1_HV_PTUlt24	1	1	0.22	2.32
HVAC10	LDGCZ15	ROB	2_HV_PTUlt24HE	2	1	0	2.32
HVAC10	LGOCZ15	ROB	1_HV_PTUlt24	1	1	0	3.97
HVAC10	LGOCZ15	ROB	2_HV_PTUlt24HE	2	1	0	3.97
HVAC10	MSCCZ15	ROB	1_HV_PTUlt24	1	1	0	2.48
HVAC10	MSCCZ15	ROB	2_HV_PTUlt24HE	2	1	0	2.48
HVAC10	REFCZ15	ROB	1_HV_PTUlt24	1	1	0	3.83
HVAC10	REFCZ15	ROB	2_HV_PTUlt24HE	2	1	0	3.83
HVAC10	RETCZ15	ROB	1_HV_PTUlt24	1	1	0	2.38
HVAC10	RETCZ15	ROB	2_HV_PTUlt24HE	2	1	0	2.38
HVAC10	RSTCZ15	ROB	1_HV_PTUlt24	1	1	0	3.87
HVAC10	RSTCZ15	ROB	2_HV_PTUlt24HE	2	1	0	3.87
HVAC10	SCHCZ15	ROB	1_HV_PTUlt24	1	1	0	3.53
HVAC10	SCHCZ15	ROB	2_HV_PTUlt24HE	2	1	0	3.53
HVAC10	SMOCZ15	ROB	1_HV_PTUlt24	1	1	0	3.57
HVAC10	SMOCZ15	ROB	2_HV_PTUlt24HE	2	1	0	3.57
HVAC10	WRHCZ15	ROB	1_HV_PTUlt24	1	1	0	2.28
HVAC10	WRHCZ15	ROB	2_HV_PTUlt24HE	2	1	0	2.28
HVAC1	COLCZ15	ROB	1_HV_CentChBase	1	1	0.24	3.38
HVAC1	COLCZ15	ROB	2_HV_CentChHEff	2	1	0	3.38
HVAC1	GRCCZ15	ROB	1_HV_CentChBase	1	1	0	3.73
HVAC1	GRCCZ15	ROB	2_HV_CentChHEff	2	1	0	3.73
HVAC1	HLTCZ15	ROB	1_HV_CentChBase	1	1	0.18	3
HVAC1	HLTCZ15	ROB	2_HV_CentChHEff	2	1	0	3
HVAC1	LDGCZ15	ROB	1_HV_CentChBase	1	1	0.34	2.32
HVAC1	LDGCZ15	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	LGOCZ15	ROB	1_HV_CentChBase	1	1	0.09	3.97
HVAC1	LGOCZ15	ROB	2_HV_CentChHEff	2	1	0	3.97
HVAC1	MSCCZ15	ROB	1_HV_CentChBase	1	1	0	2.48
HVAC1	MSCCZ15	ROB	2_HV_CentChHEff	2	1	0	2.48
HVAC1	REFCZ15	ROB	1_HV_CentChBase	1	1	0	3.83
HVAC1	REFCZ15	ROB	2_HV_CentChHEff	2	1	0	3.83
HVAC1	RETCZ15	ROB	1_HV_CentChBase	1	1	0.03	2.38
HVAC1	RETCZ15	ROB	2_HV_CentChHEff	2	1	0	2.38
HVAC1	RSTCZ15	ROB	1_HV_CentChBase	1	1	0	3.87



SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1	RSTCZ15	ROB	2_HV_CentChHEff	2	1	0	3.87
HVAC1	SCHCZ15	ROB	1_HV_CentChBase	1	1	0.12	3.53
HVAC1	SCHCZ15	ROB	2_HV_CentChHEff	2	1	0	3.53
HVAC1	SMOCZ15	ROB	1_HV_CentChBase	1	1	0	3.57
HVAC1	SMOCZ15	ROB	2_HV_CentChHEff	2	1	0	3.57
HVAC1	WRHCZ15	ROB	1_HV_CentChBase	1	1	0	2.28
HVAC1	WRHCZ15	ROB	2_HV_CentChHEff	2	1	0	2.28

SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ16	ROB	1_HV_PACge65	1	1	0.11	3.27
HVAC3	COLCZ16	ROB	2_HV_PACge6513	2	1	0	3.27
HVAC3	COLCZ16	ROB	3_HV_PACge6514	3	1	0	3.27
HVAC3	GRCCZ16	ROB	1_HV_PACge65	1	1	0.28	2.32
HVAC3	GRCCZ16	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	GRCCZ16	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	HLTCZ16	ROB	1_HV_PACge65	1	1	0.15	2.87
HVAC3	HLTCZ16	ROB	2_HV_PACge6513	2	1	0	2.87
HVAC3	HLTCZ16	ROB	3_HV_PACge6514	3	1	0	2.87
HVAC3	LDGCZ16	ROB	1_HV_PACge65	1	1	0.02	2.27
HVAC3	LDGCZ16	ROB	2_HV_PACge6513	2	1	0	2.27
HVAC3	LDGCZ16	ROB	3_HV_PACge6514	3	1	0	2.27
HVAC3	LGOZ16	ROB	1_HV_PACge65	1	1	0.3	2.83
HVAC3	LGOZ16	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	LGOZ16	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	MSCCZ16	ROB	1_HV_PACge65	1	1	0.18	3.04
HVAC3	MSCCZ16	ROB	2_HV_PACge6513	2	1	0	3.04
HVAC3	MSCCZ16	ROB	3_HV_PACge6514	3	1	0	3.04
HVAC3	REFCZ16	ROB	1_HV_PACge65	1	1	0.08	2.99
HVAC3	REFCZ16	ROB	2_HV_PACge6513	2	1	0	2.99
HVAC3	REFCZ16	ROB	3_HV_PACge6514	3	1	0	2.99
HVAC3	RETCZ16	ROB	1_HV_PACge65	1	1	0.3	2.8
HVAC3	RETCZ16	ROB	2_HV_PACge6513	2	1	0	2.8
HVAC3	RETCZ16	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC3	RSTCZ16	ROB	1_HV_PACge65	1	1	0.2	4.05
HVAC3	RSTCZ16	ROB	2_HV_PACge6513	2	1	0	4.05
HVAC3	RSTCZ16	ROB	3_HV_PACge6514	3	1	0	4.05
HVAC3	SCHCZ16	ROB	1_HV_PACge65	1	1	0.15	3.63
HVAC3	SCHCZ16	ROB	2_HV_PACge6513	2	1	0	3.63
HVAC3	SCHCZ16	ROB	3_HV_PACge6514	3	1	0	3.63
HVAC3	SMOCZ16	ROB	1_HV_PACge65	1	1	0.32	3.23
HVAC3	SMOCZ16	ROB	2_HV_PACge6513	2	1	0	3.23
HVAC3	SMOCZ16	ROB	3_HV_PACge6514	3	1	0	3.23
HVAC3	WRHCZ16	ROB	1_HV_PACge65	1	1	0.08	2.53
HVAC3	WRHCZ16	ROB	2_HV_PACge6513	2	1	0	2.53

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ16	ROB	3_HV_PACge6514	3	1	0	2.53
HVAC24	COLCZ16	RET	2_HV_ChilPmpVFD	1	0.32	0.01	0.12
HVAC24	GRCCZ16	RET	2_HV_ChilPmpVFD	1	0.04	0	0.04
HVAC24	HLTCZ16	RET	2_HV_ChilPmpVFD	1	0.44	0.15	0.27
HVAC24	LDGCZ16	RET	2_HV_ChilPmpVFD	1	0.28	0.06	0.07
HVAC24	LGOCZ16	RET	2_HV_ChilPmpVFD	1	0.66	0.14	0.22
HVAC24	MSCCZ16	RET	2_HV_ChilPmpVFD	1	0.07	0.03	0.25
HVAC24	REFCZ16	RET	2_HV_ChilPmpVFD	1	0.42	0	0.02
HVAC24	RETCZ16	RET	2_HV_ChilPmpVFD	1	0.09	0	0.17
HVAC24	RSTCZ16	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ16	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SMOCZ16	RET	2_HV_ChilPmpVFD	1	0.05	0	0.16
HVAC24	WRHCZ16	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ16	RET	2_HV_VAV	1	0.48	0.01	0.96
HVAC23	GRCCZ16	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ16	RET	2_HV_VAV	1	0.4	0.13	0.99
HVAC23	LDGCZ16	RET	2_HV_VAV	1	0.18	0.06	0.34
HVAC23	LGOCZ16	RET	2_HV_VAV	1	0.69	0.39	1.04
HVAC23	MSCCZ16	RET	2_HV_VAV	1	0.05	0.01	1.51
HVAC23	REFCZ16	RET	2_HV_VAV	1	0.11	0	0.04
HVAC23	RETCZ16	RET	2_HV_VAV	1	0.02	0.02	1.38
HVAC23	RSTCZ16	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ16	RET	2_HV_VAV	1	0	0	0
HVAC23	SMOCZ16	RET	2_HV_VAV	1	0.05	0	1.26
HVAC23	WRHCZ16	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ16	RET	2_HV_CoolRoof	1	0.78	0	241.06
HVAC22	GRCCZ16	RET	2_HV_CoolRoof	1	0.26	0	979.73
HVAC22	HLTCZ16	RET	2_HV_CoolRoof	1	0.37	0.01	417.87
HVAC22	LDGCZ16	RET	2_HV_CoolRoof	1	0.32	0	236.07
HVAC22	LGOCZ16	RET	2_HV_CoolRoof	1	0.3	0.01	434.35
HVAC22	MSCCZ16	RET	2_HV_CoolRoof	1	0.23	0	631.84
HVAC22	REFCZ16	RET	2_HV_CoolRoof	1	0.35	0	787.51
HVAC22	RETCZ16	RET	2_HV_CoolRoof	1	0.33	0.07	811.23
HVAC22	RSTCZ16	RET	2_HV_CoolRoof	1	0.13	0	985.43
HVAC22	SCHCZ16	RET	2_HV_CoolRoof	1	0.23	0	412.32

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC22	SMOCZ16	RET	2_HV_CoolRoof	1	0.69	0	706.33
HVAC22	WRHCZ16	RET	2_HV_CoolRoof	1	0.5	0.04	749.05
HVAC21SZE	COLCZ16	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	GRCCZ16	RET	2_HV_TCtIszE	1	0.01	0	1.38
HVAC21SZE	HLTCZ16	RET	2_HV_TCtIszE	1	0.07	0.06	0.59
HVAC21SZE	LDGCZ16	RET	2_HV_TCtIszE	1	0.22	0	2.15
HVAC21SZE	LGOCZ16	RET	2_HV_TCtIszE	1	0.03	0.03	0.32
HVAC21SZE	MSCCZ16	RET	2_HV_TCtIszE	1	0.02	0.01	1.22
HVAC21SZE	REFCZ16	RET	2_HV_TCtIszE	1	0.01	0	3.58
HVAC21SZE	RETCZ16	RET	2_HV_TCtIszE	1	0.11	0.02	0.69
HVAC21SZE	RSTCZ16	RET	2_HV_TCtIszE	1	0.03	0	1.11
HVAC21SZE	SCHCZ16	RET	2_HV_TCtIszE	1	0.03	0.02	1.21
HVAC21SZE	SMOCZ16	RET	2_HV_TCtIszE	1	0.07	0.07	0.7
HVAC21SZE	WRHCZ16	RET	2_HV_TCtIszE	1	0	0	1.69
HVAC20E	COLCZ16	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ16	RET	2_HV_RfISngPane	1	0.02	0	202.2
HVAC20E	HLTCZ16	RET	2_HV_RfISngPane	1	0.03	0.01	464.06
HVAC20E	LDGCZ16	RET	2_HV_RfISngPane	1	0.08	0	58.85
HVAC20E	LGOCZ16	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	MSCCZ16	RET	2_HV_RfISngPane	1	0.01	0	36.04
HVAC20E	REFCZ16	RET	2_HV_RfISngPane	1	0.15	0	10.73
HVAC20E	RETCZ16	RET	2_HV_RfISngPane	1	0.06	0	45.3
HVAC20E	RSTCZ16	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SCHCZ16	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	SMOCZ16	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	WRHCZ16	RET	2_HV_RfISngPane	1	0	0	9.37
HVAC2	COLCZ16	ROB	1_HV_PACIt65	1	1	0.54	3.27
HVAC2	COLCZ16	ROB	2_HV_PACIt6513	2	1	0	3.27
HVAC2	COLCZ16	ROB	3_HV_PACIt6514	3	1	0	3.27
HVAC2	GRCCZ16	ROB	1_HV_PACIt65	1	1	0.16	2.32
HVAC2	GRCCZ16	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	GRCCZ16	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	HLTCZ16	ROB	1_HV_PACIt65	1	1	0.27	2.87
HVAC2	HLTCZ16	ROB	2_HV_PACIt6513	2	1	0	2.87
HVAC2	HLTCZ16	ROB	3_HV_PACIt6514	3	1	0	2.87

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	LDGCZ16	ROB	1_HV_PACIt65	1	1	0.4	2.27
HVAC2	LDGCZ16	ROB	2_HV_PACIt6513	2	1	0	2.27
HVAC2	LDGCZ16	ROB	3_HV_PACIt6514	3	1	0	2.27
HVAC2	LGOCZ16	ROB	1_HV_PACIt65	1	1	0.07	2.83
HVAC2	LGOCZ16	ROB	2_HV_PACIt6513	2	1	0	2.83
HVAC2	LGOCZ16	ROB	3_HV_PACIt6514	3	1	0	2.83
HVAC2	MSCCZ16	ROB	1_HV_PACIt65	1	1	0.12	3.04
HVAC2	MSCCZ16	ROB	2_HV_PACIt6513	2	1	0	3.04
HVAC2	MSCCZ16	ROB	3_HV_PACIt6514	3	1	0	3.04
HVAC2	REFCZ16	ROB	1_HV_PACIt65	1	1	0.03	2.99
HVAC2	REFCZ16	ROB	2_HV_PACIt6513	2	1	0	2.99
HVAC2	REFCZ16	ROB	3_HV_PACIt6514	3	1	0	2.99
HVAC2	RETCZ16	ROB	1_HV_PACIt65	1	1	0.2	2.8
HVAC2	RETCZ16	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	RETCZ16	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC2	RSTCZ16	ROB	1_HV_PACIt65	1	1	0.17	4.05
HVAC2	RSTCZ16	ROB	2_HV_PACIt6513	2	1	0	4.05
HVAC2	RSTCZ16	ROB	3_HV_PACIt6514	3	1	0	4.05
HVAC2	SCHCZ16	ROB	1_HV_PACIt65	1	1	0.32	3.63
HVAC2	SCHCZ16	ROB	2_HV_PACIt6513	2	1	0	3.63
HVAC2	SCHCZ16	ROB	3_HV_PACIt6514	3	1	0	3.63
HVAC2	SMOCZ16	ROB	1_HV_PACIt65	1	1	0.6	3.23
HVAC2	SMOCZ16	ROB	2_HV_PACIt6513	2	1	0	3.23
HVAC2	SMOCZ16	ROB	3_HV_PACIt6514	3	1	0	3.23
HVAC2	WRHCZ16	ROB	1_HV_PACIt65	1	1	0.08	2.53
HVAC2	WRHCZ16	ROB	2_HV_PACIt6513	2	1	0	2.53
HVAC2	WRHCZ16	ROB	3_HV_PACIt6514	3	1	0	2.53
HVAC1A	COLCZ16	ROB	1_HV_RecChBase	1	1	0.06	3.27
HVAC1A	COLCZ16	ROB	2_HV_RecChHEff	2	1	0.01	3.27
HVAC1A	GRCCZ16	ROB	1_HV_RecChBase	1	1	0.06	2.32
HVAC1A	GRCCZ16	ROB	2_HV_RecChHEff	2	1	0	2.32
HVAC1A	HLTCZ16	ROB	1_HV_RecChBase	1	1	0.05	2.87
HVAC1A	HLTCZ16	ROB	2_HV_RecChHEff	2	1	0.07	2.87
HVAC1A	LDGCZ16	ROB	1_HV_RecChBase	1	1	0.04	2.27
HVAC1A	LDGCZ16	ROB	2_HV_RecChHEff	2	1	0.01	2.27

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	LGOCZ16	ROB	1_HV_RecChBase	1	1	0.1	2.83
HVAC1A	LGOCZ16	ROB	2_HV_RecChHEff	2	1	0.08	2.83
HVAC1A	MSCCZ16	ROB	1_HV_RecChBase	1	1	0.01	3.04
HVAC1A	MSCCZ16	ROB	2_HV_RecChHEff	2	1	0	3.04
HVAC1A	REFCZ16	ROB	1_HV_RecChBase	1	1	0.01	2.99
HVAC1A	REFCZ16	ROB	2_HV_RecChHEff	2	1	0	2.99
HVAC1A	RETCZ16	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	RETCZ16	ROB	2_HV_RecChHEff	2	1	0.01	2.8
HVAC1A	RSTCZ16	ROB	1_HV_RecChBase	1	1	0	4.05
HVAC1A	RSTCZ16	ROB	2_HV_RecChHEff	2	1	0	4.05
HVAC1A	SCHCZ16	ROB	1_HV_RecChBase	1	1	0	3.63
HVAC1A	SCHCZ16	ROB	2_HV_RecChHEff	2	1	0	3.63
HVAC1A	SMOCZ16	ROB	1_HV_RecChBase	1	1	0.03	3.23
HVAC1A	SMOCZ16	ROB	2_HV_RecChHEff	2	1	0	3.23
HVAC1A	WRHCZ16	ROB	1_HV_RecChBase	1	1	0	2.53
HVAC1A	WRHCZ16	ROB	2_HV_RecChHEff	2	1	0	2.53
HVAC15	COLCZ16	RET	2_HV_DXTuneUp	2	0.49	0.12	3.27
HVAC15	GRCCZ16	RET	2_HV_DXTuneUp	2	0.56	0.14	2.32
HVAC15	HLTCZ16	RET	2_HV_DXTuneUp	2	0.43	0.11	2.87
HVAC15	LDGCZ16	RET	2_HV_DXTuneUp	2	0.45	0.11	2.27
HVAC15	LGOCZ16	RET	2_HV_DXTuneUp	2	0.29	0.07	2.83
HVAC15	MSCCZ16	RET	2_HV_DXTuneUp	2	0.35	0.09	3.04
HVAC15	REFCZ16	RET	2_HV_DXTuneUp	2	0.1	0.03	2.99
HVAC15	RETCZ16	RET	2_HV_DXTuneUp	2	0.51	0.13	2.8
HVAC15	RSTCZ16	RET	2_HV_DXTuneUp	2	0.41	0.1	4.05
HVAC15	SCHCZ16	RET	2_HV_DXTuneUp	2	0.47	0.12	3.63
HVAC15	SMOCZ16	RET	2_HV_DXTuneUp	2	0.91	0.23	3.23
HVAC15	WRHCZ16	RET	2_HV_DXTuneUp	2	0.16	0.04	2.53
HVAC14	COLCZ16	RET	2_HV_CHTuneUp	2	0.3	0.07	3.27
HVAC14	GRCCZ16	RET	2_HV_CHTuneUp	2	0.03	0.01	2.32
HVAC14	HLTCZ16	RET	2_HV_CHTuneUp	2	0.36	0.09	2.87
HVAC14	LDGCZ16	RET	2_HV_CHTuneUp	2	0.14	0.04	2.27
HVAC14	LGOCZ16	RET	2_HV_CHTuneUp	2	0.58	0.14	2.83
HVAC14	MSCCZ16	RET	2_HV_CHTuneUp	2	0.02	0	3.04
HVAC14	REFCZ16	RET	2_HV_CHTuneUp	2	0.01	0	2.99

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC14	RETCZ16	RET	2_HV_CHTuneUp	2	0.06	0.02	2.8
HVAC14	RSTCZ16	RET	2_HV_CHTuneUp	2	0	0	4.05
HVAC14	SCHCZ16	RET	2_HV_CHTuneUp	2	0	0	3.63
HVAC14	SMOCZ16	RET	2_HV_CHTuneUp	2	0.04	0.01	3.23
HVAC14	WRHCZ16	RET	2_HV_CHTuneUp	2	0	0	2.53
HVAC13	COLCZ16	ROB	1_HV_PTUge24	1	1	0	3.27
HVAC13	COLCZ16	ROB	2_HV_PTUge24HE	2	1	0	3.27
HVAC13	GRCCZ16	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	GRCCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	HLTCZ16	ROB	1_HV_PTUge24	1	1	0	2.87
HVAC13	HLTCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.87
HVAC13	LDGCZ16	ROB	1_HV_PTUge24	1	1	0	2.27
HVAC13	LDGCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.27
HVAC13	LGOCZ16	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	LGOCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	MSCCZ16	ROB	1_HV_PTUge24	1	1	0	3.04
HVAC13	MSCCZ16	ROB	2_HV_PTUge24HE	2	1	0	3.04
HVAC13	REFCZ16	ROB	1_HV_PTUge24	1	1	0	2.99
HVAC13	REFCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.99
HVAC13	RETCZ16	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	RETCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC13	RSTCZ16	ROB	1_HV_PTUge24	1	1	0.02	4.05
HVAC13	RSTCZ16	ROB	2_HV_PTUge24HE	2	1	0	4.05
HVAC13	SCHCZ16	ROB	1_HV_PTUge24	1	1	0	3.63
HVAC13	SCHCZ16	ROB	2_HV_PTUge24HE	2	1	0	3.63
HVAC13	SMOCZ16	ROB	1_HV_PTUge24	1	1	0	3.23
HVAC13	SMOCZ16	ROB	2_HV_PTUge24HE	2	1	0	3.23
HVAC13	WRHCZ16	ROB	1_HV_PTUge24	1	1	0	2.53
HVAC13	WRHCZ16	ROB	2_HV_PTUge24HE	2	1	0	2.53
HVAC10	COLCZ16	ROB	1_HV_PTUIt24	1	1	0	3.27
HVAC10	COLCZ16	ROB	2_HV_PTUIt24HE	2	1	0	3.27
HVAC10	GRCCZ16	ROB	1_HV_PTUIt24	1	1	0	2.32
HVAC10	GRCCZ16	ROB	2_HV_PTUIt24HE	2	1	0	2.32
HVAC10	HLTCZ16	ROB	1_HV_PTUIt24	1	1	0.01	2.87
HVAC10	HLTCZ16	ROB	2_HV_PTUIt24HE	2	1	0	2.87

SCE Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	LDGCZ16	ROB	1_HV_PTUlt24	1	1	0.15	2.27
HVAC10	LDGCZ16	ROB	2_HV_PTUlt24HE	2	1	0	2.27
HVAC10	LGOCZ16	ROB	1_HV_PTUlt24	1	1	0	2.83
HVAC10	LGOCZ16	ROB	2_HV_PTUlt24HE	2	1	0	2.83
HVAC10	MSCCZ16	ROB	1_HV_PTUlt24	1	1	0.01	3.04
HVAC10	MSCCZ16	ROB	2_HV_PTUlt24HE	2	1	0	3.04
HVAC10	REFCZ16	ROB	1_HV_PTUlt24	1	1	0	2.99
HVAC10	REFCZ16	ROB	2_HV_PTUlt24HE	2	1	0	2.99
HVAC10	RETCZ16	ROB	1_HV_PTUlt24	1	1	0.02	2.8
HVAC10	RETCZ16	ROB	2_HV_PTUlt24HE	2	1	0	2.8
HVAC10	RSTCZ16	ROB	1_HV_PTUlt24	1	1	0	4.05
HVAC10	RSTCZ16	ROB	2_HV_PTUlt24HE	2	1	0	4.05
HVAC10	SCHCZ16	ROB	1_HV_PTUlt24	1	1	0	3.63
HVAC10	SCHCZ16	ROB	2_HV_PTUlt24HE	2	1	0	3.63
HVAC10	SMOCZ16	ROB	1_HV_PTUlt24	1	1	0	3.23
HVAC10	SMOCZ16	ROB	2_HV_PTUlt24HE	2	1	0	3.23
HVAC10	WRHCZ16	ROB	1_HV_PTUlt24	1	1	0	2.53
HVAC10	WRHCZ16	ROB	2_HV_PTUlt24HE	2	1	0	2.53
HVAC1	COLCZ16	ROB	1_HV_CentChBase	1	1	0.07	3.27
HVAC1	COLCZ16	ROB	2_HV_CentChHEff	2	1	0	3.27
HVAC1	GRCCZ16	ROB	1_HV_CentChBase	1	1	0	2.32
HVAC1	GRCCZ16	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	HLTCZ16	ROB	1_HV_CentChBase	1	1	0.28	2.87
HVAC1	HLTCZ16	ROB	2_HV_CentChHEff	2	1	0	2.87
HVAC1	LDGCZ16	ROB	1_HV_CentChBase	1	1	0.05	2.27
HVAC1	LDGCZ16	ROB	2_HV_CentChHEff	2	1	0	2.27
HVAC1	LGOCZ16	ROB	1_HV_CentChBase	1	1	0.34	2.83
HVAC1	LGOCZ16	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	MSCCZ16	ROB	1_HV_CentChBase	1	1	0.04	3.04
HVAC1	MSCCZ16	ROB	2_HV_CentChHEff	2	1	0	3.04
HVAC1	REFCZ16	ROB	1_HV_CentChBase	1	1	0	2.99
HVAC1	REFCZ16	ROB	2_HV_CentChHEff	2	1	0	2.99
HVAC1	RETCZ16	ROB	1_HV_CentChBase	1	1	0.05	2.8
HVAC1	RETCZ16	ROB	2_HV_CentChHEff	2	1	0	2.8
HVAC1	RSTCZ16	ROB	1_HV_CentChBase	1	1	0	4.05



SCE Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1	RSTCZ16	ROB	2_HV_CentChHEff	2	1	0	4.05
HVAC1	SCHCZ16	ROB	1_HV_CentChBase	1	1	0	3.63
HVAC1	SCHCZ16	ROB	2_HV_CentChHEff	2	1	0	3.63
HVAC1	SMOCZ16	ROB	1_HV_CentChBase	1	1	0	3.23
HVAC1	SMOCZ16	ROB	2_HV_CentChHEff	2	1	0	3.23
HVAC1	WRHCZ16	ROB	1_HV_CentChBase	1	1	0	2.53
HVAC1	WRHCZ16	ROB	2_HV_CentChHEff	2	1	0	2.53

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC29	COLCZ04	RET	2_HV_BPipelns	1	0.56	0.06	0.04
HVAC29	GRCCZ04	RET	2_HV_BPipelns	1	0	0	0
HVAC29	HLTCZ04	RET	2_HV_BPipelns	1	0.61	0.07	0.05
HVAC29	LDGCZ04	RET	2_HV_BPipelns	1	0.75	0.05	0.08
HVAC29	LGOCZ04	RET	2_HV_BPipelns	1	0.76	0.06	0.03
HVAC29	MSCCZ04	RET	2_HV_BPipelns	1	0.28	0.03	0.12
HVAC29	REFCZ04	RET	2_HV_BPipelns	1	0.59	0	0.02
HVAC29	RETCZ04	RET	2_HV_BPipelns	1	0.08	0	0.03
HVAC29	RSTCZ04	RET	2_HV_BPipelns	1	0.12	0.01	0.36
HVAC29	SCHCZ04	RET	2_HV_BPipelns	1	0.38	0.01	0.06
HVAC29	SMOCZ04	RET	2_HV_BPipelns	1	0.05	0	0.21
HVAC29	WRHCZ04	RET	2_HV_BPipelns	1	0.05	0	0.06
HVAC21SZG	COLCZ04	RET	2_HV_TCtIszG	1	0.11	0.05	0.15
HVAC21SZG	GRCCZ04	RET	2_HV_TCtIszG	1	0.12	0.11	0.25
HVAC21SZG	HLTCZ04	RET	2_HV_TCtIszG	1	0.28	0.17	1.12
HVAC21SZG	LDGCZ04	RET	2_HV_TCtIszG	1	0.08	0.05	1.27
HVAC21SZG	LGOCZ04	RET	2_HV_TCtIszG	1	0.07	0.06	0.39
HVAC21SZG	MSCCZ04	RET	2_HV_TCtIszG	1	0.16	0.05	0.49
HVAC21SZG	REFCZ04	RET	2_HV_TCtIszG	1	0.05	0.04	0.04
HVAC21SZG	RETCZ04	RET	2_HV_TCtIszG	1	0.15	0.1	0.27
HVAC21SZG	RSTCZ04	RET	2_HV_TCtIszG	1	0.19	0.08	0.79
HVAC21SZG	SCHCZ04	RET	2_HV_TCtIszG	1	0.34	0.11	0.65
HVAC21SZG	SMOCZ04	RET	2_HV_TCtIszG	1	0.28	0	0.38
HVAC21SZG	WRHCZ04	RET	2_HV_TCtIszG	1	0.05	0.04	0.42
HVAC19	COLCZ04	RET	2_HV_SpHtBITune	1	0.3	0	0.02
HVAC19	GRCCZ04	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ04	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	LDGCZ04	RET	2_HV_SpHtBITune	1	0.37	0	0.01
HVAC19	LGOCZ04	RET	2_HV_SpHtBITune	1	0.55	0	0.01
HVAC19	MSCCZ04	RET	2_HV_SpHtBITune	1	0.11	0	0.05
HVAC19	REFCZ04	RET	2_HV_SpHtBITune	1	0.17	0	0
HVAC19	RETCZ04	RET	2_HV_SpHtBITune	1	0.06	0	0.01
HVAC19	RSTCZ04	RET	2_HV_SpHtBITune	1	0.06	0	0.28
HVAC19	SCHCZ04	RET	2_HV_SpHtBITune	1	0.04	0	0.07
HVAC19	SMOCZ04	RET	2_HV_SpHtBITune	1	0.05	0	0.1

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC19	WRHCZ04	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ04	ROB	1_HV_SpHtBIBase	1	1	0.21	50.63
HVAC18	COLCZ04	ROB	2_HV_SpHtBIHEff	2	1	0.18	50.63
HVAC18	GRCCZ04	ROB	1_HV_SpHtBIBase	1	1	0	36.23
HVAC18	GRCCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	36.23
HVAC18	HLTCZ04	ROB	1_HV_SpHtBIBase	1	1	0.48	55.54
HVAC18	HLTCZ04	ROB	2_HV_SpHtBIHEff	2	1	0.03	55.54
HVAC18	LDGCZ04	ROB	1_HV_SpHtBIBase	1	1	0.11	47.44
HVAC18	LDGCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	47.44
HVAC18	LGOCZ04	ROB	1_HV_SpHtBIBase	1	1	0.58	35.92
HVAC18	LGOCZ04	ROB	2_HV_SpHtBIHEff	2	1	0.05	35.92
HVAC18	MSCCZ04	ROB	1_HV_SpHtBIBase	1	1	0.1	54.67
HVAC18	MSCCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	54.67
HVAC18	REFCZ04	ROB	1_HV_SpHtBIBase	1	1	0.02	38.42
HVAC18	REFCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	38.42
HVAC18	RETCZ04	ROB	1_HV_SpHtBIBase	1	1	0.03	40.77
HVAC18	RETCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	40.77
HVAC18	RSTCZ04	ROB	1_HV_SpHtBIBase	1	1	0.04	56.57
HVAC18	RSTCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	56.57
HVAC18	SCHCZ04	ROB	1_HV_SpHtBIBase	1	1	0.14	75.55
HVAC18	SCHCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	75.55
HVAC18	SMOCZ04	ROB	1_HV_SpHtBIBase	1	1	0.04	71.33
HVAC18	SMOCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	71.33
HVAC18	WRHCZ04	ROB	1_HV_SpHtBIBase	1	1	0	28.62
HVAC18	WRHCZ04	ROB	2_HV_SpHtBIHEff	2	1	0	28.62

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC29	COLCZ05	RET	2_HV_BPipeIns	1	0.56	0.06	0.04
HVAC29	GRCCZ05	RET	2_HV_BPipeIns	1	0	0	0
HVAC29	HLTCZ05	RET	2_HV_BPipeIns	1	0.61	0.07	0.05
HVAC29	LDGCZ05	RET	2_HV_BPipeIns	1	0.75	0.05	0.08
HVAC29	LGOCZ05	RET	2_HV_BPipeIns	1	0.76	0.06	0.03
HVAC29	MSCCZ05	RET	2_HV_BPipeIns	1	0.28	0.03	0.12
HVAC29	REFCZ05	RET	2_HV_BPipeIns	1	0.59	0	0.02
HVAC29	RETCZ05	RET	2_HV_BPipeIns	1	0.08	0	0.03
HVAC29	RSTCZ05	RET	2_HV_BPipeIns	1	0.12	0.01	0.36
HVAC29	SCHCZ05	RET	2_HV_BPipeIns	1	0.38	0.01	0.06
HVAC29	SMOCZ05	RET	2_HV_BPipeIns	1	0.05	0	0.21
HVAC29	WRHCZ05	RET	2_HV_BPipeIns	1	0.05	0	0.06
HVAC21SZG	COLCZ05	RET	2_HV_TCtlszG	1	0.11	0.05	0.15
HVAC21SZG	GRCCZ05	RET	2_HV_TCtlszG	1	0.12	0.11	0.25
HVAC21SZG	HLTCZ05	RET	2_HV_TCtlszG	1	0.28	0.17	1.12
HVAC21SZG	LDGCZ05	RET	2_HV_TCtlszG	1	0.08	0.05	1.27
HVAC21SZG	LGOCZ05	RET	2_HV_TCtlszG	1	0.07	0.06	0.39
HVAC21SZG	MSCCZ05	RET	2_HV_TCtlszG	1	0.16	0.05	0.49
HVAC21SZG	REFCZ05	RET	2_HV_TCtlszG	1	0.05	0.04	0.04
HVAC21SZG	RETCZ05	RET	2_HV_TCtlszG	1	0.15	0.1	0.27
HVAC21SZG	RSTCZ05	RET	2_HV_TCtlszG	1	0.19	0.08	0.79
HVAC21SZG	SCHCZ05	RET	2_HV_TCtlszG	1	0.34	0.11	0.65
HVAC21SZG	SMOCZ05	RET	2_HV_TCtlszG	1	0.28	0	0.38
HVAC21SZG	WRHCZ05	RET	2_HV_TCtlszG	1	0.05	0.04	0.42
HVAC19	COLCZ05	RET	2_HV_SpHtBITune	1	0.3	0	0.02
HVAC19	GRCCZ05	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ05	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	LDGCZ05	RET	2_HV_SpHtBITune	1	0.37	0	0.01
HVAC19	LGOCZ05	RET	2_HV_SpHtBITune	1	0.55	0	0.01
HVAC19	MSCCZ05	RET	2_HV_SpHtBITune	1	0.11	0	0.05
HVAC19	REFCZ05	RET	2_HV_SpHtBITune	1	0.17	0	0
HVAC19	RETCZ05	RET	2_HV_SpHtBITune	1	0.06	0	0.01
HVAC19	RSTCZ05	RET	2_HV_SpHtBITune	1	0.06	0	0.28
HVAC19	SCHCZ05	RET	2_HV_SpHtBITune	1	0.04	0	0.07
HVAC19	SMOCZ05	RET	2_HV_SpHtBITune	1	0.05	0	0.1

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC19	WRHCZ05	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ05	ROB	1_HV_SpHtBIBase	1	1	0.21	50.63
HVAC18	COLCZ05	ROB	2_HV_SpHtBIHEff	2	1	0.18	50.63
HVAC18	GRCCZ05	ROB	1_HV_SpHtBIBase	1	1	0	36.23
HVAC18	GRCCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	36.23
HVAC18	HLTCZ05	ROB	1_HV_SpHtBIBase	1	1	0.48	55.54
HVAC18	HLTCZ05	ROB	2_HV_SpHtBIHEff	2	1	0.03	55.54
HVAC18	LDGCZ05	ROB	1_HV_SpHtBIBase	1	1	0.11	47.44
HVAC18	LDGCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	47.44
HVAC18	LGOZ05	ROB	1_HV_SpHtBIBase	1	1	0.58	35.92
HVAC18	LGOZ05	ROB	2_HV_SpHtBIHEff	2	1	0.05	35.92
HVAC18	MSCCZ05	ROB	1_HV_SpHtBIBase	1	1	0.1	54.67
HVAC18	MSCCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	54.67
HVAC18	REFCZ05	ROB	1_HV_SpHtBIBase	1	1	0.02	38.42
HVAC18	REFCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	38.42
HVAC18	RETCZ05	ROB	1_HV_SpHtBIBase	1	1	0.03	40.77
HVAC18	RETCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	40.77
HVAC18	RSTCZ05	ROB	1_HV_SpHtBIBase	1	1	0.04	56.57
HVAC18	RSTCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	56.57
HVAC18	SCHCZ05	ROB	1_HV_SpHtBIBase	1	1	0.14	75.55
HVAC18	SCHCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	75.55
HVAC18	SMOCZ05	ROB	1_HV_SpHtBIBase	1	1	0.04	71.33
HVAC18	SMOCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	71.33
HVAC18	WRHCZ05	ROB	1_HV_SpHtBIBase	1	1	0	28.62
HVAC18	WRHCZ05	ROB	2_HV_SpHtBIHEff	2	1	0	28.62

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC29	COLCZ06	RET	2_HV_BPipelns	1	0.86	0.13	0.05
HVAC29	GRCCZ06	RET	2_HV_BPipelns	1	0	0	0
HVAC29	HLTCZ06	RET	2_HV_BPipelns	1	0.57	0.1	0.07
HVAC29	LDGCZ06	RET	2_HV_BPipelns	1	0.76	0.11	0.05
HVAC29	LGOCZ06	RET	2_HV_BPipelns	1	0.66	0	0.03
HVAC29	MSCCZ06	RET	2_HV_BPipelns	1	0.12	0	0.27
HVAC29	REFCZ06	RET	2_HV_BPipelns	1	0	0	0
HVAC29	RETCZ06	RET	2_HV_BPipelns	1	0	0	0
HVAC29	RSTCZ06	RET	2_HV_BPipelns	1	0.05	0.01	0.38
HVAC29	SCHCZ06	RET	2_HV_BPipelns	1	0.55	0.1	0.04
HVAC29	SMOCZ06	RET	2_HV_BPipelns	1	0	0	0
HVAC29	WRHCZ06	RET	2_HV_BPipelns	1	0.17	0	0.04
HVAC21SZG	COLCZ06	RET	2_HV_TCtlzszG	1	0	0	0.73
HVAC21SZG	GRCCZ06	RET	2_HV_TCtlzszG	1	0.08	0.07	0.26
HVAC21SZG	HLTCZ06	RET	2_HV_TCtlzszG	1	0.37	0	1.04
HVAC21SZG	LDGCZ06	RET	2_HV_TCtlzszG	1	0.13	0	0.9
HVAC21SZG	LGOCZ06	RET	2_HV_TCtlzszG	1	0.04	0.03	0.34
HVAC21SZG	MSCCZ06	RET	2_HV_TCtlzszG	1	0.2	0.02	0.41
HVAC21SZG	REFCZ06	RET	2_HV_TCtlzszG	1	0	0	0
HVAC21SZG	RETCZ06	RET	2_HV_TCtlzszG	1	0.08	0.02	0.41
HVAC21SZG	RSTCZ06	RET	2_HV_TCtlzszG	1	0.14	0.06	0.67
HVAC21SZG	SCHCZ06	RET	2_HV_TCtlzszG	1	0.2	0.19	0.31
HVAC21SZG	SMOCZ06	RET	2_HV_TCtlzszG	1	0.09	0.05	0.72
HVAC21SZG	WRHCZ06	RET	2_HV_TCtlzszG	1	0.02	0.02	0.53
HVAC19	COLCZ06	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	GRCCZ06	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ06	RET	2_HV_SpHtBITune	1	0.31	0	0.03
HVAC19	LDGCZ06	RET	2_HV_SpHtBITune	1	0.17	0	0.02
HVAC19	LGOCZ06	RET	2_HV_SpHtBITune	1	0.4	0	0.01
HVAC19	MSCCZ06	RET	2_HV_SpHtBITune	1	0.05	0	0.03
HVAC19	REFCZ06	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ06	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RSTCZ06	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	SCHCZ06	RET	2_HV_SpHtBITune	1	0.23	0	0.02
HVAC19	SMOCZ06	RET	2_HV_SpHtBITune	1	0	0	0

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC19	WRHCZ06	RET	2_HV_SpHtBITune	1	0.17	0	0.02
HVAC18	COLCZ06	ROB	1_HV_SpHtBIBase	1	1	0.58	31.56
HVAC18	COLCZ06	ROB	2_HV_SpHtBIHEff	2	1	0	31.56
HVAC18	GRCCZ06	ROB	1_HV_SpHtBIBase	1	1	0	28.74
HVAC18	GRCCZ06	ROB	2_HV_SpHtBIHEff	2	1	0	28.74
HVAC18	HLTCZ06	ROB	1_HV_SpHtBIBase	1	1	0.37	47.28
HVAC18	HLTCZ06	ROB	2_HV_SpHtBIHEff	2	1	0	47.28
HVAC18	LDGCZ06	ROB	1_HV_SpHtBIBase	1	1	0.5	35.56
HVAC18	LDGCZ06	ROB	2_HV_SpHtBIHEff	2	1	0	35.56
HVAC18	LGOZ06	ROB	1_HV_SpHtBIBase	1	1	0.36	29.58
HVAC18	LGOZ06	ROB	2_HV_SpHtBIHEff	2	1	0.03	29.58
HVAC18	MSCCZ06	ROB	1_HV_SpHtBIBase	1	1	0.04	48.05
HVAC18	MSCCZ06	ROB	2_HV_SpHtBIHEff	2	1	0	48.05
HVAC18	REFCZ06	ROB	1_HV_SpHtBIBase	1	1	0	64.55
HVAC18	REFCZ06	ROB	2_HV_SpHtBIHEff	2	1	0	64.55
HVAC18	RETCZ06	ROB	1_HV_SpHtBIBase	1	1	0	49.57
HVAC18	RETCZ06	ROB	2_HV_SpHtBIHEff	2	1	0	49.57
HVAC18	RSTCZ06	ROB	1_HV_SpHtBIBase	1	1	0	96.29
HVAC18	RSTCZ06	ROB	2_HV_SpHtBIHEff	2	1	0	96.29
HVAC18	SCHCZ06	ROB	1_HV_SpHtBIBase	1	1	0.14	91.42
HVAC18	SCHCZ06	ROB	2_HV_SpHtBIHEff	2	1	0	91.42
HVAC18	SMOCZ06	ROB	1_HV_SpHtBIBase	1	1	0	71.38
HVAC18	SMOCZ06	ROB	2_HV_SpHtBIHEff	2	1	0	71.38
HVAC18	WRHCZ06	ROB	1_HV_SpHtBIBase	1	1	0.04	60.46
HVAC18	WRHCZ06	ROB	2_HV_SpHtBIHEff	2	1	0	60.46

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC29	COLCZ08	RET	2_HV_BPipelns	1	0.65	0.02	0.01
HVAC29	GRCCZ08	RET	2_HV_BPipelns	1	0	0	0
HVAC29	HLTCZ08	RET	2_HV_BPipelns	1	0.65	0.13	0.02
HVAC29	LDGCZ08	RET	2_HV_BPipelns	1	0.66	0.23	0.06
HVAC29	LGOCZ08	RET	2_HV_BPipelns	1	0.42	0	0.04
HVAC29	MSCCZ08	RET	2_HV_BPipelns	1	0.84	0	1.49
HVAC29	REFCZ08	RET	2_HV_BPipelns	1	0.13	0.01	0.05
HVAC29	RETCZ08	RET	2_HV_BPipelns	1	0.01	0	0.04
HVAC29	RSTCZ08	RET	2_HV_BPipelns	1	0.04	0.01	0.32
HVAC29	SCHCZ08	RET	2_HV_BPipelns	1	0.51	0.02	0.04
HVAC29	SMOCZ08	RET	2_HV_BPipelns	1	0	0	0
HVAC29	WRHCZ08	RET	2_HV_BPipelns	1	0.06	0	0
HVAC21SZG	COLCZ08	RET	2_HV_TCtlzszG	1	0.45	0.34	0.09
HVAC21SZG	GRCCZ08	RET	2_HV_TCtlzszG	1	0.09	0.05	0.52
HVAC21SZG	HLTCZ08	RET	2_HV_TCtlzszG	1	0.55	0.31	0.17
HVAC21SZG	LDGCZ08	RET	2_HV_TCtlzszG	1	0.01	0	3.57
HVAC21SZG	LGOCZ08	RET	2_HV_TCtlzszG	1	0.25	0.13	0.56
HVAC21SZG	MSCCZ08	RET	2_HV_TCtlzszG	1	0.02	0.01	0.43
HVAC21SZG	REFCZ08	RET	2_HV_TCtlzszG	1	0.01	0	0.39
HVAC21SZG	RETCZ08	RET	2_HV_TCtlzszG	1	0.1	0.04	0.57
HVAC21SZG	RSTCZ08	RET	2_HV_TCtlzszG	1	0.19	0.03	1.09
HVAC21SZG	SCHCZ08	RET	2_HV_TCtlzszG	1	0.25	0.24	0.38
HVAC21SZG	SMOCZ08	RET	2_HV_TCtlzszG	1	0.19	0.08	0.82
HVAC21SZG	WRHCZ08	RET	2_HV_TCtlzszG	1	0.01	0	0.28
HVAC19	COLCZ08	RET	2_HV_SpHtBITune	1	0.08	0	0.02
HVAC19	GRCCZ08	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ08	RET	2_HV_SpHtBITune	1	0.57	0	0.01
HVAC19	LDGCZ08	RET	2_HV_SpHtBITune	1	0.21	0	0.01
HVAC19	LGOCZ08	RET	2_HV_SpHtBITune	1	0.42	0	0.02
HVAC19	MSCCZ08	RET	2_HV_SpHtBITune	1	0.01	0	0.04
HVAC19	REFCZ08	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ08	RET	2_HV_SpHtBITune	1	0.01	0	0.02
HVAC19	RSTCZ08	RET	2_HV_SpHtBITune	1	0.03	0	0.15
HVAC19	SCHCZ08	RET	2_HV_SpHtBITune	1	0.04	0	0.03
HVAC19	SMOCZ08	RET	2_HV_SpHtBITune	1	0	0	0



SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC19	WRHCZ08	RET	2_HV_SpHtBITune	1	0.05	0	0
HVAC18	COLCZ08	ROB	1_HV_SpHtBIBase	1	1	0.31	36.27
HVAC18	COLCZ08	ROB	2_HV_SpHtBIHEff	2	1	0	36.27
HVAC18	GRCCZ08	ROB	1_HV_SpHtBIBase	1	1	0	52.25
HVAC18	GRCCZ08	ROB	2_HV_SpHtBIHEff	2	1	0	52.25
HVAC18	HLTCZ08	ROB	1_HV_SpHtBIBase	1	1	0.16	29.27
HVAC18	HLTCZ08	ROB	2_HV_SpHtBIHEff	2	1	0.02	29.27
HVAC18	LDGCZ08	ROB	1_HV_SpHtBIBase	1	1	0.17	51.57
HVAC18	LDGCZ08	ROB	2_HV_SpHtBIHEff	2	1	0	51.57
HVAC18	LGOZ08	ROB	1_HV_SpHtBIBase	1	1	0.37	39.9
HVAC18	LGOZ08	ROB	2_HV_SpHtBIHEff	2	1	0.02	39.9
HVAC18	MSCCZ08	ROB	1_HV_SpHtBIBase	1	1	0.01	26.52
HVAC18	MSCCZ08	ROB	2_HV_SpHtBIHEff	2	1	0	26.52
HVAC18	REFCZ08	ROB	1_HV_SpHtBIBase	1	1	0	41.85
HVAC18	REFCZ08	ROB	2_HV_SpHtBIHEff	2	1	0	41.85
HVAC18	RETCZ08	ROB	1_HV_SpHtBIBase	1	1	0.01	60.56
HVAC18	RETCZ08	ROB	2_HV_SpHtBIHEff	2	1	0	60.56
HVAC18	RSTCZ08	ROB	1_HV_SpHtBIBase	1	1	0.03	93.55
HVAC18	RSTCZ08	ROB	2_HV_SpHtBIHEff	2	1	0	93.55
HVAC18	SCHCZ08	ROB	1_HV_SpHtBIBase	1	1	0.1	62.27
HVAC18	SCHCZ08	ROB	2_HV_SpHtBIHEff	2	1	0.04	62.27
HVAC18	SMOCZ08	ROB	1_HV_SpHtBIBase	1	1	0	63.49
HVAC18	SMOCZ08	ROB	2_HV_SpHtBIHEff	2	1	0	63.49
HVAC18	WRHCZ08	ROB	1_HV_SpHtBIBase	1	1	0	54.41
HVAC18	WRHCZ08	ROB	2_HV_SpHtBIHEff	2	1	0	54.41

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC29	COLCZ09	RET	2_HV_BPipelns	1	0.65	0.02	0.01
HVAC29	GRCCZ09	RET	2_HV_BPipelns	1	0	0	0
HVAC29	HLTCZ09	RET	2_HV_BPipelns	1	0.65	0.13	0.02
HVAC29	LDGCZ09	RET	2_HV_BPipelns	1	0.66	0.23	0.06
HVAC29	LGOCZ09	RET	2_HV_BPipelns	1	0.42	0	0.04
HVAC29	MSCCZ09	RET	2_HV_BPipelns	1	0.84	0	1.49
HVAC29	REFCZ09	RET	2_HV_BPipelns	1	0.13	0.01	0.05
HVAC29	RETCZ09	RET	2_HV_BPipelns	1	0.01	0	0.04
HVAC29	RSTCZ09	RET	2_HV_BPipelns	1	0.04	0.01	0.32
HVAC29	SCHCZ09	RET	2_HV_BPipelns	1	0.51	0.02	0.04
HVAC29	SMOCZ09	RET	2_HV_BPipelns	1	0	0	0
HVAC29	WRHCZ09	RET	2_HV_BPipelns	1	0.06	0	0
HVAC21SZG	COLCZ09	RET	2_HV_TCtlzszG	1	0.45	0.34	0.09
HVAC21SZG	GRCCZ09	RET	2_HV_TCtlzszG	1	0.09	0.05	0.52
HVAC21SZG	HLTCZ09	RET	2_HV_TCtlzszG	1	0.55	0.31	0.17
HVAC21SZG	LDGCZ09	RET	2_HV_TCtlzszG	1	0.01	0	3.57
HVAC21SZG	LGOCZ09	RET	2_HV_TCtlzszG	1	0.25	0.13	0.56
HVAC21SZG	MSCCZ09	RET	2_HV_TCtlzszG	1	0.02	0.01	0.43
HVAC21SZG	REFCZ09	RET	2_HV_TCtlzszG	1	0.01	0	0.39
HVAC21SZG	RETCZ09	RET	2_HV_TCtlzszG	1	0.1	0.04	0.57
HVAC21SZG	RSTCZ09	RET	2_HV_TCtlzszG	1	0.19	0.03	1.09
HVAC21SZG	SCHCZ09	RET	2_HV_TCtlzszG	1	0.25	0.24	0.38
HVAC21SZG	SMOCZ09	RET	2_HV_TCtlzszG	1	0.19	0.08	0.82
HVAC21SZG	WRHCZ09	RET	2_HV_TCtlzszG	1	0.01	0	0.28
HVAC19	COLCZ09	RET	2_HV_SpHtBITune	1	0.08	0	0.02
HVAC19	GRCCZ09	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ09	RET	2_HV_SpHtBITune	1	0.57	0	0.01
HVAC19	LDGCZ09	RET	2_HV_SpHtBITune	1	0.21	0	0.01
HVAC19	LGOCZ09	RET	2_HV_SpHtBITune	1	0.42	0	0.02
HVAC19	MSCCZ09	RET	2_HV_SpHtBITune	1	0.01	0	0.04
HVAC19	REFCZ09	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ09	RET	2_HV_SpHtBITune	1	0.01	0	0.02
HVAC19	RSTCZ09	RET	2_HV_SpHtBITune	1	0.03	0	0.15
HVAC19	SCHCZ09	RET	2_HV_SpHtBITune	1	0.04	0	0.03
HVAC19	SMOCZ09	RET	2_HV_SpHtBITune	1	0	0	0

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC19	WRHCZ09	RET	2_HV_SpHtBITune	1	0.05	0	0
HVAC18	COLCZ09	ROB	1_HV_SpHtBIBase	1	1	0.31	36.27
HVAC18	COLCZ09	ROB	2_HV_SpHtBIHEff	2	1	0	36.27
HVAC18	GRCCZ09	ROB	1_HV_SpHtBIBase	1	1	0	52.25
HVAC18	GRCCZ09	ROB	2_HV_SpHtBIHEff	2	1	0	52.25
HVAC18	HLTCZ09	ROB	1_HV_SpHtBIBase	1	1	0.16	29.27
HVAC18	HLTCZ09	ROB	2_HV_SpHtBIHEff	2	1	0.02	29.27
HVAC18	LDGCZ09	ROB	1_HV_SpHtBIBase	1	1	0.17	51.57
HVAC18	LDGCZ09	ROB	2_HV_SpHtBIHEff	2	1	0	51.57
HVAC18	LGOZ09	ROB	1_HV_SpHtBIBase	1	1	0.37	39.9
HVAC18	LGOZ09	ROB	2_HV_SpHtBIHEff	2	1	0.02	39.9
HVAC18	MSCCZ09	ROB	1_HV_SpHtBIBase	1	1	0.01	26.52
HVAC18	MSCCZ09	ROB	2_HV_SpHtBIHEff	2	1	0	26.52
HVAC18	REFCZ09	ROB	1_HV_SpHtBIBase	1	1	0	41.85
HVAC18	REFCZ09	ROB	2_HV_SpHtBIHEff	2	1	0	41.85
HVAC18	RETCZ09	ROB	1_HV_SpHtBIBase	1	1	0.01	60.56
HVAC18	RETCZ09	ROB	2_HV_SpHtBIHEff	2	1	0	60.56
HVAC18	RSTCZ09	ROB	1_HV_SpHtBIBase	1	1	0.03	93.55
HVAC18	RSTCZ09	ROB	2_HV_SpHtBIHEff	2	1	0	93.55
HVAC18	SCHCZ09	ROB	1_HV_SpHtBIBase	1	1	0.1	62.27
HVAC18	SCHCZ09	ROB	2_HV_SpHtBIHEff	2	1	0.04	62.27
HVAC18	SMOCZ09	ROB	1_HV_SpHtBIBase	1	1	0	63.49
HVAC18	SMOCZ09	ROB	2_HV_SpHtBIHEff	2	1	0	63.49
HVAC18	WRHCZ09	ROB	1_HV_SpHtBIBase	1	1	0	54.41
HVAC18	WRHCZ09	ROB	2_HV_SpHtBIHEff	2	1	0	54.41

SCG Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC29	COLCZ10	RET	2_HV_BPipeIns	1	0.65	0.02	0.01
HVAC29	GRCCZ10	RET	2_HV_BPipeIns	1	0	0	0
HVAC29	HLTCZ10	RET	2_HV_BPipeIns	1	0.65	0.13	0.02
HVAC29	LDGCZ10	RET	2_HV_BPipeIns	1	0.66	0.23	0.06
HVAC29	LGOCZ10	RET	2_HV_BPipeIns	1	0.42	0	0.04
HVAC29	MSCCZ10	RET	2_HV_BPipeIns	1	0.84	0	1.49
HVAC29	REFCZ10	RET	2_HV_BPipeIns	1	0.13	0.01	0.05
HVAC29	RETCZ10	RET	2_HV_BPipeIns	1	0.01	0	0.04
HVAC29	RSTCZ10	RET	2_HV_BPipeIns	1	0.04	0.01	0.32
HVAC29	SCHCZ10	RET	2_HV_BPipeIns	1	0.51	0.02	0.04
HVAC29	SMOCZ10	RET	2_HV_BPipeIns	1	0	0	0
HVAC29	WRHCZ10	RET	2_HV_BPipeIns	1	0.06	0	0
HVAC21SZG	COLCZ10	RET	2_HV_TCtIszG	1	0.45	0.34	0.09
HVAC21SZG	GRCCZ10	RET	2_HV_TCtIszG	1	0.09	0.05	0.52
HVAC21SZG	HLTCZ10	RET	2_HV_TCtIszG	1	0.55	0.31	0.17
HVAC21SZG	LDGCZ10	RET	2_HV_TCtIszG	1	0.01	0	3.57
HVAC21SZG	LGOCZ10	RET	2_HV_TCtIszG	1	0.25	0.13	0.56
HVAC21SZG	MSCCZ10	RET	2_HV_TCtIszG	1	0.02	0.01	0.43
HVAC21SZG	REFCZ10	RET	2_HV_TCtIszG	1	0.01	0	0.39
HVAC21SZG	RETCZ10	RET	2_HV_TCtIszG	1	0.1	0.04	0.57
HVAC21SZG	RSTCZ10	RET	2_HV_TCtIszG	1	0.19	0.03	1.09
HVAC21SZG	SCHCZ10	RET	2_HV_TCtIszG	1	0.25	0.24	0.38
HVAC21SZG	SMOCZ10	RET	2_HV_TCtIszG	1	0.19	0.08	0.82
HVAC21SZG	WRHCZ10	RET	2_HV_TCtIszG	1	0.01	0	0.28
HVAC19	COLCZ10	RET	2_HV_SpHtBITune	1	0.08	0	0.02
HVAC19	GRCCZ10	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ10	RET	2_HV_SpHtBITune	1	0.57	0	0.01
HVAC19	LDGCZ10	RET	2_HV_SpHtBITune	1	0.21	0	0.01
HVAC19	LGOCZ10	RET	2_HV_SpHtBITune	1	0.42	0	0.02
HVAC19	MSCCZ10	RET	2_HV_SpHtBITune	1	0.01	0	0.04
HVAC19	REFCZ10	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ10	RET	2_HV_SpHtBITune	1	0.01	0	0.02
HVAC19	RSTCZ10	RET	2_HV_SpHtBITune	1	0.03	0	0.15
HVAC19	SCHCZ10	RET	2_HV_SpHtBITune	1	0.04	0	0.03
HVAC19	SMOCZ10	RET	2_HV_SpHtBITune	1	0	0	0

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC19	WRHCZ10	RET	2_HV_SpHtBITune	1	0.05	0	0
HVAC18	COLCZ10	ROB	1_HV_SpHtBIBase	1	1	0.31	36.27
HVAC18	COLCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	36.27
HVAC18	GRCCZ10	ROB	1_HV_SpHtBIBase	1	1	0	52.25
HVAC18	GRCCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	52.25
HVAC18	HLTCZ10	ROB	1_HV_SpHtBIBase	1	1	0.16	29.27
HVAC18	HLTCZ10	ROB	2_HV_SpHtBIHEff	2	1	0.02	29.27
HVAC18	LDGCZ10	ROB	1_HV_SpHtBIBase	1	1	0.17	51.57
HVAC18	LDGCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	51.57
HVAC18	LGOCZ10	ROB	1_HV_SpHtBIBase	1	1	0.37	39.9
HVAC18	LGOCZ10	ROB	2_HV_SpHtBIHEff	2	1	0.02	39.9
HVAC18	MSCCZ10	ROB	1_HV_SpHtBIBase	1	1	0.01	26.52
HVAC18	MSCCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	26.52
HVAC18	REFCZ10	ROB	1_HV_SpHtBIBase	1	1	0	41.85
HVAC18	REFCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	41.85
HVAC18	RETCZ10	ROB	1_HV_SpHtBIBase	1	1	0.01	60.56
HVAC18	RETCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	60.56
HVAC18	RSTCZ10	ROB	1_HV_SpHtBIBase	1	1	0.03	93.55
HVAC18	RSTCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	93.55
HVAC18	SCHCZ10	ROB	1_HV_SpHtBIBase	1	1	0.1	62.27
HVAC18	SCHCZ10	ROB	2_HV_SpHtBIHEff	2	1	0.04	62.27
HVAC18	SMOCZ10	ROB	1_HV_SpHtBIBase	1	1	0	63.49
HVAC18	SMOCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	63.49
HVAC18	WRHCZ10	ROB	1_HV_SpHtBIBase	1	1	0	54.41
HVAC18	WRHCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	54.41

SCG Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC29	COLCZ13	RET	2_HV_BPipeIns	1	0.95	0.15	0.03
HVAC29	GRCCZ13	RET	2_HV_BPipeIns	1	0.11	0	0.06
HVAC29	HLTCZ13	RET	2_HV_BPipeIns	1	0.59	0.2	0.1
HVAC29	LDGCZ13	RET	2_HV_BPipeIns	1	0.74	0.31	0.08
HVAC29	LGOCZ13	RET	2_HV_BPipeIns	1	0.38	0	0.05
HVAC29	MSCCZ13	RET	2_HV_BPipeIns	1	0.02	0	0.08
HVAC29	REFCZ13	RET	2_HV_BPipeIns	1	0.2	0	0.03
HVAC29	RETCZ13	RET	2_HV_BPipeIns	1	0	0	0.05
HVAC29	RSTCZ13	RET	2_HV_BPipeIns	1	0.02	0	0.22
HVAC29	SCHCZ13	RET	2_HV_BPipeIns	1	0.53	0.11	0.04
HVAC29	SMOCZ13	RET	2_HV_BPipeIns	1	0.01	0	0.23
HVAC29	WRHCZ13	RET	2_HV_BPipeIns	1	0.04	0	0
HVAC21SZG	COLCZ13	RET	2_HV_TCtIszG	1	0	0	0
HVAC21SZG	GRCCZ13	RET	2_HV_TCtIszG	1	0.14	0.11	1.02
HVAC21SZG	HLTCZ13	RET	2_HV_TCtIszG	1	0.21	0.19	0.67
HVAC21SZG	LDGCZ13	RET	2_HV_TCtIszG	1	0.06	0	2.01
HVAC21SZG	LGOCZ13	RET	2_HV_TCtIszG	1	0.06	0.04	0.61
HVAC21SZG	MSCCZ13	RET	2_HV_TCtIszG	1	0.04	0.01	0.65
HVAC21SZG	REFCZ13	RET	2_HV_TCtIszG	1	0.05	0.02	0.45
HVAC21SZG	RETCZ13	RET	2_HV_TCtIszG	1	0.32	0.12	0.41
HVAC21SZG	RSTCZ13	RET	2_HV_TCtIszG	1	0.52	0.24	0.7
HVAC21SZG	SCHCZ13	RET	2_HV_TCtIszG	1	0.48	0.43	0.59
HVAC21SZG	SMOCZ13	RET	2_HV_TCtIszG	1	0.25	0.11	0.78
HVAC21SZG	WRHCZ13	RET	2_HV_TCtIszG	1	0.05	0.05	0.73
HVAC19	COLCZ13	RET	2_HV_SpHtBITune	1	0.02	0	0.32
HVAC19	GRCCZ13	RET	2_HV_SpHtBITune	1	0.11	0	0.03
HVAC19	HLTCZ13	RET	2_HV_SpHtBITune	1	0.17	0	0.06
HVAC19	LDGCZ13	RET	2_HV_SpHtBITune	1	0.26	0	0.02
HVAC19	LGOCZ13	RET	2_HV_SpHtBITune	1	0.35	0	0.02
HVAC19	MSCCZ13	RET	2_HV_SpHtBITune	1	0.01	0	0.03
HVAC19	REFCZ13	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ13	RET	2_HV_SpHtBITune	1	0	0	0.03
HVAC19	RSTCZ13	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	SCHCZ13	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	SMOCZ13	RET	2_HV_SpHtBITune	1	0.01	0	0.12

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC19	WRHCZ13	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ13	ROB	1_HV_SpHtBIBase	1	1	0.73	76.83
HVAC18	COLCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	76.83
HVAC18	GRCCZ13	ROB	1_HV_SpHtBIBase	1	1	0.03	46.71
HVAC18	GRCCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	46.71
HVAC18	HLTCZ13	ROB	1_HV_SpHtBIBase	1	1	0.29	49.45
HVAC18	HLTCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	49.45
HVAC18	LDGCZ13	ROB	1_HV_SpHtBIBase	1	1	0.48	37.18
HVAC18	LDGCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	37.18
HVAC18	LGO CZ13	ROB	1_HV_SpHtBIBase	1	1	0.17	69.09
HVAC18	LGO CZ13	ROB	2_HV_SpHtBIHEff	2	1	0.13	69.09
HVAC18	MSCCZ13	ROB	1_HV_SpHtBIBase	1	1	0.01	44.99
HVAC18	MSCCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	44.99
HVAC18	REFCZ13	ROB	1_HV_SpHtBIBase	1	1	0	73.51
HVAC18	REFCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	73.51
HVAC18	RETCZ13	ROB	1_HV_SpHtBIBase	1	1	0	52.45
HVAC18	RETCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	52.45
HVAC18	RSTCZ13	ROB	1_HV_SpHtBIBase	1	1	0	67.85
HVAC18	RSTCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	67.85
HVAC18	SCHCZ13	ROB	1_HV_SpHtBIBase	1	1	0.19	69.83
HVAC18	SCHCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	69.83
HVAC18	SMOCZ13	ROB	1_HV_SpHtBIBase	1	1	0.01	63.43
HVAC18	SMOCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	63.43
HVAC18	WRHCZ13	ROB	1_HV_SpHtBIBase	1	1	0	22.47
HVAC18	WRHCZ13	ROB	2_HV_SpHtBIHEff	2	1	0	22.47

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC29	COLCZ14	RET	2_HV_BPipeIns	1	0.95	0.15	0.03
HVAC29	GRCCZ14	RET	2_HV_BPipeIns	1	0.11	0	0.06
HVAC29	HLTCZ14	RET	2_HV_BPipeIns	1	0.59	0.2	0.1
HVAC29	LDGCZ14	RET	2_HV_BPipeIns	1	0.74	0.31	0.08
HVAC29	LGOCZ14	RET	2_HV_BPipeIns	1	0.38	0	0.05
HVAC29	MSCCZ14	RET	2_HV_BPipeIns	1	0.02	0	0.08
HVAC29	REFCZ14	RET	2_HV_BPipeIns	1	0.2	0	0.03
HVAC29	RETCZ14	RET	2_HV_BPipeIns	1	0	0	0.05
HVAC29	RSTCZ14	RET	2_HV_BPipeIns	1	0.02	0	0.22
HVAC29	SCHCZ14	RET	2_HV_BPipeIns	1	0.53	0.11	0.04
HVAC29	SMOCZ14	RET	2_HV_BPipeIns	1	0.01	0	0.23
HVAC29	WRHCZ14	RET	2_HV_BPipeIns	1	0.04	0	0
HVAC21SZG	COLCZ14	RET	2_HV_TCtIszG	1	0	0	0
HVAC21SZG	GRCCZ14	RET	2_HV_TCtIszG	1	0.14	0.11	1.02
HVAC21SZG	HLTCZ14	RET	2_HV_TCtIszG	1	0.21	0.19	0.67
HVAC21SZG	LDGCZ14	RET	2_HV_TCtIszG	1	0.06	0	2.01
HVAC21SZG	LGOCZ14	RET	2_HV_TCtIszG	1	0.06	0.04	0.61
HVAC21SZG	MSCCZ14	RET	2_HV_TCtIszG	1	0.04	0.01	0.65
HVAC21SZG	REFCZ14	RET	2_HV_TCtIszG	1	0.05	0.02	0.45
HVAC21SZG	RETCZ14	RET	2_HV_TCtIszG	1	0.32	0.12	0.41
HVAC21SZG	RSTCZ14	RET	2_HV_TCtIszG	1	0.52	0.24	0.7
HVAC21SZG	SCHCZ14	RET	2_HV_TCtIszG	1	0.48	0.43	0.59
HVAC21SZG	SMOCZ14	RET	2_HV_TCtIszG	1	0.25	0.11	0.78
HVAC21SZG	WRHCZ14	RET	2_HV_TCtIszG	1	0.05	0.05	0.73
HVAC19	COLCZ14	RET	2_HV_SpHtBITune	1	0.02	0	0.32
HVAC19	GRCCZ14	RET	2_HV_SpHtBITune	1	0.11	0	0.03
HVAC19	HLTCZ14	RET	2_HV_SpHtBITune	1	0.17	0	0.06
HVAC19	LDGCZ14	RET	2_HV_SpHtBITune	1	0.26	0	0.02
HVAC19	LGOCZ14	RET	2_HV_SpHtBITune	1	0.35	0	0.02
HVAC19	MSCCZ14	RET	2_HV_SpHtBITune	1	0.01	0	0.03
HVAC19	REFCZ14	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ14	RET	2_HV_SpHtBITune	1	0	0	0.03
HVAC19	RSTCZ14	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	SCHCZ14	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	SMOCZ14	RET	2_HV_SpHtBITune	1	0.01	0	0.12



SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC19	WRHCZ14	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ14	ROB	1_HV_SpHtBIBase	1	1	0.73	76.83
HVAC18	COLCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	76.83
HVAC18	GRCCZ14	ROB	1_HV_SpHtBIBase	1	1	0.03	46.71
HVAC18	GRCCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	46.71
HVAC18	HLTCZ14	ROB	1_HV_SpHtBIBase	1	1	0.29	49.45
HVAC18	HLTCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	49.45
HVAC18	LDGCZ14	ROB	1_HV_SpHtBIBase	1	1	0.48	37.18
HVAC18	LDGCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	37.18
HVAC18	LGOZ14	ROB	1_HV_SpHtBIBase	1	1	0.17	69.09
HVAC18	LGOZ14	ROB	2_HV_SpHtBIHEff	2	1	0.13	69.09
HVAC18	MSCCZ14	ROB	1_HV_SpHtBIBase	1	1	0.01	44.99
HVAC18	MSCCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	44.99
HVAC18	REFCZ14	ROB	1_HV_SpHtBIBase	1	1	0	73.51
HVAC18	REFCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	73.51
HVAC18	RETCZ14	ROB	1_HV_SpHtBIBase	1	1	0	52.45
HVAC18	RETCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	52.45
HVAC18	RSTCZ14	ROB	1_HV_SpHtBIBase	1	1	0	67.85
HVAC18	RSTCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	67.85
HVAC18	SCHCZ14	ROB	1_HV_SpHtBIBase	1	1	0.19	69.83
HVAC18	SCHCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	69.83
HVAC18	SMOCZ14	ROB	1_HV_SpHtBIBase	1	1	0.01	63.43
HVAC18	SMOCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	63.43
HVAC18	WRHCZ14	ROB	1_HV_SpHtBIBase	1	1	0	22.47
HVAC18	WRHCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	22.47

SCG Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC29	COLCZ15	RET	2_HV_BPipeIns	1	0.95	0.15	0.03
HVAC29	GRCCZ15	RET	2_HV_BPipeIns	1	0.11	0	0.06
HVAC29	HLTCZ15	RET	2_HV_BPipeIns	1	0.59	0.2	0.1
HVAC29	LDGCZ15	RET	2_HV_BPipeIns	1	0.74	0.31	0.08
HVAC29	LGOCZ15	RET	2_HV_BPipeIns	1	0.38	0	0.05
HVAC29	MSCCZ15	RET	2_HV_BPipeIns	1	0.02	0	0.08
HVAC29	REFCZ15	RET	2_HV_BPipeIns	1	0.2	0	0.03
HVAC29	RETCZ15	RET	2_HV_BPipeIns	1	0	0	0.05
HVAC29	RSTCZ15	RET	2_HV_BPipeIns	1	0.02	0	0.22
HVAC29	SCHCZ15	RET	2_HV_BPipeIns	1	0.53	0.11	0.04
HVAC29	SMOCZ15	RET	2_HV_BPipeIns	1	0.01	0	0.23
HVAC29	WRHCZ15	RET	2_HV_BPipeIns	1	0.04	0	0
HVAC21SZG	COLCZ15	RET	2_HV_TCtIszG	1	0	0	0
HVAC21SZG	GRCCZ15	RET	2_HV_TCtIszG	1	0.14	0.11	1.02
HVAC21SZG	HLTCZ15	RET	2_HV_TCtIszG	1	0.21	0.19	0.67
HVAC21SZG	LDGCZ15	RET	2_HV_TCtIszG	1	0.06	0	2.01
HVAC21SZG	LGOCZ15	RET	2_HV_TCtIszG	1	0.06	0.04	0.61
HVAC21SZG	MSCCZ15	RET	2_HV_TCtIszG	1	0.04	0.01	0.65
HVAC21SZG	REFCZ15	RET	2_HV_TCtIszG	1	0.05	0.02	0.45
HVAC21SZG	RETCZ15	RET	2_HV_TCtIszG	1	0.32	0.12	0.41
HVAC21SZG	RSTCZ15	RET	2_HV_TCtIszG	1	0.52	0.24	0.7
HVAC21SZG	SCHCZ15	RET	2_HV_TCtIszG	1	0.48	0.43	0.59
HVAC21SZG	SMOCZ15	RET	2_HV_TCtIszG	1	0.25	0.11	0.78
HVAC21SZG	WRHCZ15	RET	2_HV_TCtIszG	1	0.05	0.05	0.73
HVAC19	COLCZ15	RET	2_HV_SpHtBITune	1	0.02	0	0.32
HVAC19	GRCCZ15	RET	2_HV_SpHtBITune	1	0.11	0	0.03
HVAC19	HLTCZ15	RET	2_HV_SpHtBITune	1	0.17	0	0.06
HVAC19	LDGCZ15	RET	2_HV_SpHtBITune	1	0.26	0	0.02
HVAC19	LGOCZ15	RET	2_HV_SpHtBITune	1	0.35	0	0.02
HVAC19	MSCCZ15	RET	2_HV_SpHtBITune	1	0.01	0	0.03
HVAC19	REFCZ15	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ15	RET	2_HV_SpHtBITune	1	0	0	0.03
HVAC19	RSTCZ15	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	SCHCZ15	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	SMOCZ15	RET	2_HV_SpHtBITune	1	0.01	0	0.12

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC19	WRHCZ15	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ15	ROB	1_HV_SpHtBIBase	1	1	0.73	76.83
HVAC18	COLCZ15	ROB	2_HV_SpHtBIHEff	2	1	0	76.83
HVAC18	GRCCZ15	ROB	1_HV_SpHtBIBase	1	1	0.03	46.71
HVAC18	GRCCZ15	ROB	2_HV_SpHtBIHEff	2	1	0	46.71
HVAC18	HLTCZ15	ROB	1_HV_SpHtBIBase	1	1	0.29	49.45
HVAC18	HLTCZ15	ROB	2_HV_SpHtBIHEff	2	1	0	49.45
HVAC18	LDGCZ15	ROB	1_HV_SpHtBIBase	1	1	0.48	37.18
HVAC18	LDGCZ15	ROB	2_HV_SpHtBIHEff	2	1	0	37.18
HVAC18	LGOZ15	ROB	1_HV_SpHtBIBase	1	1	0.17	69.09
HVAC18	LGOZ15	ROB	2_HV_SpHtBIHEff	2	1	0.13	69.09
HVAC18	MSCCZ15	ROB	1_HV_SpHtBIBase	1	1	0.01	44.99
HVAC18	MSCCZ15	ROB	2_HV_SpHtBIHEff	2	1	0	44.99
HVAC18	REFCZ15	ROB	1_HV_SpHtBIBase	1	1	0	73.51
HVAC18	REFCZ15	ROB	2_HV_SpHtBIHEff	2	1	0	73.51
HVAC18	RETCZ15	ROB	1_HV_SpHtBIBase	1	1	0	52.45
HVAC18	RETCZ15	ROB	2_HV_SpHtBIHEff	2	1	0	52.45
HVAC18	RSTCZ15	ROB	1_HV_SpHtBIBase	1	1	0	67.85
HVAC18	RSTCZ15	ROB	2_HV_SpHtBIHEff	2	1	0	67.85
HVAC18	SCHCZ15	ROB	1_HV_SpHtBIBase	1	1	0.19	69.83
HVAC18	SCHCZ15	ROB	2_HV_SpHtBIHEff	2	1	0	69.83
HVAC18	SMOCZ15	ROB	1_HV_SpHtBIBase	1	1	0.01	63.43
HVAC18	SMOCZ15	ROB	2_HV_SpHtBIHEff	2	1	0	63.43
HVAC18	WRHCZ15	ROB	1_HV_SpHtBIBase	1	1	0	22.47
HVAC18	WRHCZ15	ROB	2_HV_SpHtBIHEff	2	1	0	22.47

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC29	COLCZ16	RET	2_HV_BPipeIns	1	0.56	0.06	0.04
HVAC29	GRCCZ16	RET	2_HV_BPipeIns	1	0	0	0
HVAC29	HLTCZ16	RET	2_HV_BPipeIns	1	0.61	0.07	0.05
HVAC29	LDGCZ16	RET	2_HV_BPipeIns	1	0.75	0.05	0.08
HVAC29	LGOCZ16	RET	2_HV_BPipeIns	1	0.76	0.06	0.03
HVAC29	MSCCZ16	RET	2_HV_BPipeIns	1	0.28	0.03	0.12
HVAC29	REFCZ16	RET	2_HV_BPipeIns	1	0.59	0	0.02
HVAC29	RETCZ16	RET	2_HV_BPipeIns	1	0.08	0	0.03
HVAC29	RSTCZ16	RET	2_HV_BPipeIns	1	0.12	0.01	0.36
HVAC29	SCHCZ16	RET	2_HV_BPipeIns	1	0.38	0.01	0.06
HVAC29	SMOCZ16	RET	2_HV_BPipeIns	1	0.05	0	0.21
HVAC29	WRHCZ16	RET	2_HV_BPipeIns	1	0.05	0	0.06
HVAC21SZG	COLCZ16	RET	2_HV_TCtIszG	1	0.11	0.05	0.15
HVAC21SZG	GRCCZ16	RET	2_HV_TCtIszG	1	0.12	0.11	0.25
HVAC21SZG	HLTCZ16	RET	2_HV_TCtIszG	1	0.28	0.17	1.12
HVAC21SZG	LDGCZ16	RET	2_HV_TCtIszG	1	0.08	0.05	1.27
HVAC21SZG	LGOCZ16	RET	2_HV_TCtIszG	1	0.07	0.06	0.39
HVAC21SZG	MSCCZ16	RET	2_HV_TCtIszG	1	0.16	0.05	0.49
HVAC21SZG	REFCZ16	RET	2_HV_TCtIszG	1	0.05	0.04	0.04
HVAC21SZG	RETCZ16	RET	2_HV_TCtIszG	1	0.15	0.1	0.27
HVAC21SZG	RSTCZ16	RET	2_HV_TCtIszG	1	0.19	0.08	0.79
HVAC21SZG	SCHCZ16	RET	2_HV_TCtIszG	1	0.34	0.11	0.65
HVAC21SZG	SMOCZ16	RET	2_HV_TCtIszG	1	0.28	0	0.38
HVAC21SZG	WRHCZ16	RET	2_HV_TCtIszG	1	0.05	0.04	0.42
HVAC19	COLCZ16	RET	2_HV_SpHtBITune	1	0.3	0	0.02
HVAC19	GRCCZ16	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ16	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	LDGCZ16	RET	2_HV_SpHtBITune	1	0.37	0	0.01
HVAC19	LGOCZ16	RET	2_HV_SpHtBITune	1	0.55	0	0.01
HVAC19	MSCCZ16	RET	2_HV_SpHtBITune	1	0.11	0	0.05
HVAC19	REFCZ16	RET	2_HV_SpHtBITune	1	0.17	0	0
HVAC19	RETCZ16	RET	2_HV_SpHtBITune	1	0.06	0	0.01
HVAC19	RSTCZ16	RET	2_HV_SpHtBITune	1	0.06	0	0.28
HVAC19	SCHCZ16	RET	2_HV_SpHtBITune	1	0.04	0	0.07
HVAC19	SMOCZ16	RET	2_HV_SpHtBITune	1	0.05	0	0.1

SCG Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC19	WRHCZ16	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ16	ROB	1_HV_SpHtBIBase	1	1	0.21	50.63
HVAC18	COLCZ16	ROB	2_HV_SpHtBIHEff	2	1	0.18	50.63
HVAC18	GRCCZ16	ROB	1_HV_SpHtBIBase	1	1	0	36.23
HVAC18	GRCCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	36.23
HVAC18	HLTCZ16	ROB	1_HV_SpHtBIBase	1	1	0.48	55.54
HVAC18	HLTCZ16	ROB	2_HV_SpHtBIHEff	2	1	0.03	55.54
HVAC18	LDGCZ16	ROB	1_HV_SpHtBIBase	1	1	0.11	47.44
HVAC18	LDGCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	47.44
HVAC18	LGOZ16	ROB	1_HV_SpHtBIBase	1	1	0.58	35.92
HVAC18	LGOZ16	ROB	2_HV_SpHtBIHEff	2	1	0.05	35.92
HVAC18	MSCCZ16	ROB	1_HV_SpHtBIBase	1	1	0.1	54.67
HVAC18	MSCCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	54.67
HVAC18	REFCZ16	ROB	1_HV_SpHtBIBase	1	1	0.02	38.42
HVAC18	REFCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	38.42
HVAC18	RETCZ16	ROB	1_HV_SpHtBIBase	1	1	0.03	40.77
HVAC18	RETCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	40.77
HVAC18	RSTCZ16	ROB	1_HV_SpHtBIBase	1	1	0.04	56.57
HVAC18	RSTCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	56.57
HVAC18	SCHCZ16	ROB	1_HV_SpHtBIBase	1	1	0.14	75.55
HVAC18	SCHCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	75.55
HVAC18	SMOCZ16	ROB	1_HV_SpHtBIBase	1	1	0.04	71.33
HVAC18	SMOCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	71.33
HVAC18	WRHCZ16	ROB	1_HV_SpHtBIBase	1	1	0	28.62
HVAC18	WRHCZ16	ROB	2_HV_SpHtBIHEff	2	1	0	28.62

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ07	ROB	1_HV_PACge65	1	1	0.1	2.29
HVAC3	COLCZ07	ROB	2_HV_PACge6513	2	1	0	2.29
HVAC3	COLCZ07	ROB	3_HV_PACge6514	3	1	0	2.29
HVAC3	GRCCZ07	ROB	1_HV_PACge65	1	1	0.33	2.32
HVAC3	GRCCZ07	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	GRCCZ07	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	HLTCZ07	ROB	1_HV_PACge65	1	1	0.3	2.67
HVAC3	HLTCZ07	ROB	2_HV_PACge6513	2	1	0	2.67
HVAC3	HLTCZ07	ROB	3_HV_PACge6514	3	1	0	2.67
HVAC3	LDGCZ07	ROB	1_HV_PACge65	1	1	0.05	2.38
HVAC3	LDGCZ07	ROB	2_HV_PACge6513	2	1	0	2.38
HVAC3	LDGCZ07	ROB	3_HV_PACge6514	3	1	0	2.38
HVAC3	LGOZ07	ROB	1_HV_PACge65	1	1	0.41	2.61
HVAC3	LGOZ07	ROB	2_HV_PACge6513	2	1	0	2.61
HVAC3	LGOZ07	ROB	3_HV_PACge6514	3	1	0	2.61
HVAC3	MSCCZ07	ROB	1_HV_PACge65	1	1	0.12	2.71
HVAC3	MSCCZ07	ROB	2_HV_PACge6513	2	1	0	2.71
HVAC3	MSCCZ07	ROB	3_HV_PACge6514	3	1	0	2.71
HVAC3	REFCZ07	ROB	1_HV_PACge65	1	1	0	2.38
HVAC3	REFCZ07	ROB	2_HV_PACge6513	2	1	0	2.38
HVAC3	REFCZ07	ROB	3_HV_PACge6514	3	1	0	2.38
HVAC3	RETCZ07	ROB	1_HV_PACge65	1	1	0.36	2.5
HVAC3	RETCZ07	ROB	2_HV_PACge6513	2	1	0	2.5
HVAC3	RETCZ07	ROB	3_HV_PACge6514	3	1	0	2.5
HVAC3	RSTCZ07	ROB	1_HV_PACge65	1	1	0.25	4.57
HVAC3	RSTCZ07	ROB	2_HV_PACge6513	2	1	0	4.57
HVAC3	RSTCZ07	ROB	3_HV_PACge6514	3	1	0	4.57
HVAC3	SCHCZ07	ROB	1_HV_PACge65	1	1	0.29	3.4
HVAC3	SCHCZ07	ROB	2_HV_PACge6513	2	1	0	3.4
HVAC3	SCHCZ07	ROB	3_HV_PACge6514	3	1	0	3.4
HVAC3	SMOCZ07	ROB	1_HV_PACge65	1	1	0.16	3.2
HVAC3	SMOCZ07	ROB	2_HV_PACge6513	2	1	0	3.2
HVAC3	SMOCZ07	ROB	3_HV_PACge6514	3	1	0	3.2
HVAC3	WRHCZ07	ROB	1_HV_PACge65	1	1	0.1	3.33
HVAC3	WRHCZ07	ROB	2_HV_PACge6513	2	1	0	3.33

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ07	ROB	3_HV_PACge6514	3	1	0	3.33
HVAC29	COLCZ07	RET	2_HV_BPipeIns	1	0.86	0.13	0.05
HVAC29	GRCCZ07	RET	2_HV_BPipeIns	1	0	0	0
HVAC29	HLTCZ07	RET	2_HV_BPipeIns	1	0.57	0.1	0.07
HVAC29	LDGCZ07	RET	2_HV_BPipeIns	1	0.76	0.11	0.05
HVAC29	LGOCZ07	RET	2_HV_BPipeIns	1	0.66	0	0.03
HVAC29	MSCCZ07	RET	2_HV_BPipeIns	1	0.12	0	0.27
HVAC29	REFCZ07	RET	2_HV_BPipeIns	1	0	0	0
HVAC29	RETCZ07	RET	2_HV_BPipeIns	1	0	0	0
HVAC29	RSTCZ07	RET	2_HV_BPipeIns	1	0.05	0.01	0.38
HVAC29	SCHCZ07	RET	2_HV_BPipeIns	1	0.55	0.1	0.04
HVAC29	SMOCZ07	RET	2_HV_BPipeIns	1	0	0	0
HVAC29	WRHCZ07	RET	2_HV_BPipeIns	1	0.17	0	0.04
HVAC24	COLCZ07	RET	2_HV_ChilPmpVFD	1	0.76	0	0.02
HVAC24	GRCCZ07	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	HLTCZ07	RET	2_HV_ChilPmpVFD	1	0.31	0	0.22
HVAC24	LDGCZ07	RET	2_HV_ChilPmpVFD	1	0.41	0.03	0.13
HVAC24	LGOCZ07	RET	2_HV_ChilPmpVFD	1	0.42	0.1	0.25
HVAC24	MSCCZ07	RET	2_HV_ChilPmpVFD	1	0.04	0	0.23
HVAC24	REFCZ07	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ07	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RSTCZ07	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ07	RET	2_HV_ChilPmpVFD	1	0.16	0	0.08
HVAC24	SMOCZ07	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	WRHCZ07	RET	2_HV_ChilPmpVFD	1	0.17	0	0.09
HVAC23	COLCZ07	RET	2_HV_VAV	1	0.76	0	0.22
HVAC23	GRCCZ07	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ07	RET	2_HV_VAV	1	0.19	0.03	1.01
HVAC23	LDGCZ07	RET	2_HV_VAV	1	0.16	0.06	0.41
HVAC23	LGOCZ07	RET	2_HV_VAV	1	0.49	0.3	1.43
HVAC23	MSCCZ07	RET	2_HV_VAV	1	0	0	3.37
HVAC23	REFCZ07	RET	2_HV_VAV	1	0	0	0
HVAC23	RETCZ07	RET	2_HV_VAV	1	0.02	0	1.12
HVAC23	RSTCZ07	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ07	RET	2_HV_VAV	1	0.01	0.01	0.27

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ07	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ07	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ07	RET	2_HV_CoolRoof	1	0	0	0
HVAC22	GRCCZ07	RET	2_HV_CoolRoof	1	0.16	0	1000
HVAC22	HLTCZ07	RET	2_HV_CoolRoof	1	0.26	0	832.91
HVAC22	LDGCZ07	RET	2_HV_CoolRoof	1	0.21	0	273.74
HVAC22	LGOCZ07	RET	2_HV_CoolRoof	1	0.16	0	354.76
HVAC22	MSCCZ07	RET	2_HV_CoolRoof	1	0.06	0	486.77
HVAC22	REFCZ07	RET	2_HV_CoolRoof	1	0	0	0
HVAC22	RETCZ07	RET	2_HV_CoolRoof	1	0.1	0.03	656.45
HVAC22	RSTCZ07	RET	2_HV_CoolRoof	1	0.01	0	1000
HVAC22	SCHCZ07	RET	2_HV_CoolRoof	1	0.2	0	699.27
HVAC22	SMOCZ07	RET	2_HV_CoolRoof	1	0.07	0	1000
HVAC22	WRHCZ07	RET	2_HV_CoolRoof	1	0.15	0	1000
HVAC21SZG	COLCZ07	RET	2_HV_TCtIszG	1	0	0	0.73
HVAC21SZG	GRCCZ07	RET	2_HV_TCtIszG	1	0.08	0.07	0.26
HVAC21SZG	HLTCZ07	RET	2_HV_TCtIszG	1	0.37	0	1.04
HVAC21SZG	LDGCZ07	RET	2_HV_TCtIszG	1	0.13	0	0.9
HVAC21SZG	LGOCZ07	RET	2_HV_TCtIszG	1	0.04	0.03	0.34
HVAC21SZG	MSCCZ07	RET	2_HV_TCtIszG	1	0.2	0.02	0.41
HVAC21SZG	REFCZ07	RET	2_HV_TCtIszG	1	0	0	0
HVAC21SZG	RETCZ07	RET	2_HV_TCtIszG	1	0.08	0.02	0.41
HVAC21SZG	RSTCZ07	RET	2_HV_TCtIszG	1	0.14	0.06	0.67
HVAC21SZG	SCHCZ07	RET	2_HV_TCtIszG	1	0.2	0.19	0.31
HVAC21SZG	SMOCZ07	RET	2_HV_TCtIszG	1	0.09	0.05	0.72
HVAC21SZG	WRHCZ07	RET	2_HV_TCtIszG	1	0.02	0.02	0.53
HVAC21SZE	COLCZ07	RET	2_HV_TCtIszE	1	0.1	0.1	0.5
HVAC21SZE	GRCCZ07	RET	2_HV_TCtIszE	1	0.01	0.01	1.2
HVAC21SZE	HLTCZ07	RET	2_HV_TCtIszE	1	0.03	0	0.59
HVAC21SZE	LDGCZ07	RET	2_HV_TCtIszE	1	0.22	0	1.6
HVAC21SZE	LGOCZ07	RET	2_HV_TCtIszE	1	0.07	0.01	0.65
HVAC21SZE	MSCCZ07	RET	2_HV_TCtIszE	1	0.05	0.01	0.73
HVAC21SZE	REFCZ07	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	RETCZ07	RET	2_HV_TCtIszE	1	0.06	0	1.17
HVAC21SZE	RSTCZ07	RET	2_HV_TCtIszE	1	0.24	0.13	0.82



SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ07	RET	2_HV_TCtIszE	1	0.17	0.08	0.62
HVAC21SZE	SMOCZ07	RET	2_HV_TCtIszE	1	0.15	0.04	0.9
HVAC21SZE	WRHCZ07	RET	2_HV_TCtIszE	1	0	0	1.05
HVAC20E	COLCZ07	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	GRCCZ07	RET	2_HV_RfISngPane	1	0.01	0	67.08
HVAC20E	HLTCZ07	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	LDGCZ07	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	LGOCZ07	RET	2_HV_RfISngPane	1	0.04	0.02	74.28
HVAC20E	MSCCZ07	RET	2_HV_RfISngPane	1	0.02	0.01	63.72
HVAC20E	REFCZ07	RET	2_HV_RfISngPane	1	0	0	0
HVAC20E	RETCZ07	RET	2_HV_RfISngPane	1	0.22	0	17.87
HVAC20E	RSTCZ07	RET	2_HV_RfISngPane	1	0.15	0	47.89
HVAC20E	SCHCZ07	RET	2_HV_RfISngPane	1	0.05	0	32.57
HVAC20E	SMOCZ07	RET	2_HV_RfISngPane	1	0.01	0	52.14
HVAC20E	WRHCZ07	RET	2_HV_RfISngPane	1	0	0	0
HVAC2	COLCZ07	ROB	1_HV_PACIt65	1	1	0.12	2.29
HVAC2	COLCZ07	ROB	2_HV_PACIt6513	2	1	0	2.29
HVAC2	COLCZ07	ROB	3_HV_PACIt6514	3	1	0	2.29
HVAC2	GRCCZ07	ROB	1_HV_PACIt65	1	1	0.1	2.32
HVAC2	GRCCZ07	ROB	2_HV_PACIt6513	2	1	0	2.32
HVAC2	GRCCZ07	ROB	3_HV_PACIt6514	3	1	0	2.32
HVAC2	HLTCZ07	ROB	1_HV_PACIt65	1	1	0.37	2.67
HVAC2	HLTCZ07	ROB	2_HV_PACIt6513	2	1	0	2.67
HVAC2	HLTCZ07	ROB	3_HV_PACIt6514	3	1	0	2.67
HVAC2	LDGCZ07	ROB	1_HV_PACIt65	1	1	0.33	2.38
HVAC2	LDGCZ07	ROB	2_HV_PACIt6513	2	1	0	2.38
HVAC2	LDGCZ07	ROB	3_HV_PACIt6514	3	1	0	2.38
HVAC2	LGOCZ07	ROB	1_HV_PACIt65	1	1	0.13	2.61
HVAC2	LGOCZ07	ROB	2_HV_PACIt6513	2	1	0	2.61
HVAC2	LGOCZ07	ROB	3_HV_PACIt6514	3	1	0	2.61
HVAC2	MSCCZ07	ROB	1_HV_PACIt65	1	1	0.22	2.71
HVAC2	MSCCZ07	ROB	2_HV_PACIt6513	2	1	0	2.71
HVAC2	MSCCZ07	ROB	3_HV_PACIt6514	3	1	0	2.71
HVAC2	REFCZ07	ROB	1_HV_PACIt65	1	1	0.07	2.38
HVAC2	REFCZ07	ROB	2_HV_PACIt6513	2	1	0	2.38

SDG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ07	ROB	3_HV_PACIt6514	3	1	0	2.38
HVAC2	RETCZ07	ROB	1_HV_PACIt65	1	1	0.2	2.5
HVAC2	RETCZ07	ROB	2_HV_PACIt6513	2	1	0	2.5
HVAC2	RETCZ07	ROB	3_HV_PACIt6514	3	1	0	2.5
HVAC2	RSTCZ07	ROB	1_HV_PACIt65	1	1	0.43	4.57
HVAC2	RSTCZ07	ROB	2_HV_PACIt6513	2	1	0	4.57
HVAC2	RSTCZ07	ROB	3_HV_PACIt6514	3	1	0	4.57
HVAC2	SCHCZ07	ROB	1_HV_PACIt65	1	1	0.19	3.4
HVAC2	SCHCZ07	ROB	2_HV_PACIt6513	2	1	0	3.4
HVAC2	SCHCZ07	ROB	3_HV_PACIt6514	3	1	0	3.4
HVAC2	SMOCZ07	ROB	1_HV_PACIt65	1	1	0.74	3.2
HVAC2	SMOCZ07	ROB	2_HV_PACIt6513	2	1	0	3.2
HVAC2	SMOCZ07	ROB	3_HV_PACIt6514	3	1	0	3.2
HVAC2	WRHCZ07	ROB	1_HV_PACIt65	1	1	0.08	3.33
HVAC2	WRHCZ07	ROB	2_HV_PACIt6513	2	1	0	3.33
HVAC2	WRHCZ07	ROB	3_HV_PACIt6514	3	1	0	3.33
HVAC1A	COLCZ07	ROB	1_HV_RecChBase	1	1	0	2.29
HVAC1A	COLCZ07	ROB	2_HV_RecChHEff	2	1	0.14	2.29
HVAC1A	GRCCZ07	ROB	1_HV_RecChBase	1	1	0	2.32
HVAC1A	GRCCZ07	ROB	2_HV_RecChHEff	2	1	0	2.32
HVAC1A	HLTCZ07	ROB	1_HV_RecChBase	1	1	0.04	2.67
HVAC1A	HLTCZ07	ROB	2_HV_RecChHEff	2	1	0.01	2.67
HVAC1A	LDGCZ07	ROB	1_HV_RecChBase	1	1	0.04	2.38
HVAC1A	LDGCZ07	ROB	2_HV_RecChHEff	2	1	0.05	2.38
HVAC1A	LGOCZ07	ROB	1_HV_RecChBase	1	1	0.08	2.61
HVAC1A	LGOCZ07	ROB	2_HV_RecChHEff	2	1	0.04	2.61
HVAC1A	MSCCZ07	ROB	1_HV_RecChBase	1	1	0.04	2.71
HVAC1A	MSCCZ07	ROB	2_HV_RecChHEff	2	1	0	2.71
HVAC1A	REFCZ07	ROB	1_HV_RecChBase	1	1	0	2.38
HVAC1A	REFCZ07	ROB	2_HV_RecChHEff	2	1	0	2.38
HVAC1A	RETCZ07	ROB	1_HV_RecChBase	1	1	0	2.5
HVAC1A	RETCZ07	ROB	2_HV_RecChHEff	2	1	0	2.5
HVAC1A	RSTCZ07	ROB	1_HV_RecChBase	1	1	0	4.57
HVAC1A	RSTCZ07	ROB	2_HV_RecChHEff	2	1	0	4.57
HVAC1A	SCHCZ07	ROB	1_HV_RecChBase	1	1	0.05	3.4

SDG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ07	ROB	2_HV_RecChHEff	2	1	0	3.4
HVAC1A	SMOCZ07	ROB	1_HV_RecChBase	1	1	0	3.2
HVAC1A	SMOCZ07	ROB	2_HV_RecChHEff	2	1	0	3.2
HVAC1A	WRHCZ07	ROB	1_HV_RecChBase	1	1	0.11	3.33
HVAC1A	WRHCZ07	ROB	2_HV_RecChHEff	2	1	0	3.33
HVAC19	COLCZ07	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	GRCCZ07	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ07	RET	2_HV_SpHtBITune	1	0.31	0	0.03
HVAC19	LDGCZ07	RET	2_HV_SpHtBITune	1	0.17	0	0.02
HVAC19	LGOCZ07	RET	2_HV_SpHtBITune	1	0.4	0	0.01
HVAC19	MSCCZ07	RET	2_HV_SpHtBITune	1	0.05	0	0.03
HVAC19	REFCZ07	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ07	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RSTCZ07	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	SCHCZ07	RET	2_HV_SpHtBITune	1	0.23	0	0.02
HVAC19	SMOCZ07	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	WRHCZ07	RET	2_HV_SpHtBITune	1	0.17	0	0.02
HVAC18	COLCZ07	ROB	1_HV_SpHtBIBase	1	1	0.58	31.56
HVAC18	COLCZ07	ROB	2_HV_SpHtBIHEff	2	1	0	31.56
HVAC18	GRCCZ07	ROB	1_HV_SpHtBIBase	1	1	0	28.74
HVAC18	GRCCZ07	ROB	2_HV_SpHtBIHEff	2	1	0	28.74
HVAC18	HLTCZ07	ROB	1_HV_SpHtBIBase	1	1	0.37	47.28
HVAC18	HLTCZ07	ROB	2_HV_SpHtBIHEff	2	1	0	47.28
HVAC18	LDGCZ07	ROB	1_HV_SpHtBIBase	1	1	0.5	35.56
HVAC18	LDGCZ07	ROB	2_HV_SpHtBIHEff	2	1	0	35.56
HVAC18	LGOCZ07	ROB	1_HV_SpHtBIBase	1	1	0.36	29.58
HVAC18	LGOCZ07	ROB	2_HV_SpHtBIHEff	2	1	0.03	29.58
HVAC18	MSCCZ07	ROB	1_HV_SpHtBIBase	1	1	0.04	48.05
HVAC18	MSCCZ07	ROB	2_HV_SpHtBIHEff	2	1	0	48.05
HVAC18	REFCZ07	ROB	1_HV_SpHtBIBase	1	1	0	64.55
HVAC18	REFCZ07	ROB	2_HV_SpHtBIHEff	2	1	0	64.55
HVAC18	RETCZ07	ROB	1_HV_SpHtBIBase	1	1	0	49.57
HVAC18	RETCZ07	ROB	2_HV_SpHtBIHEff	2	1	0	49.57
HVAC18	RSTCZ07	ROB	1_HV_SpHtBIBase	1	1	0	96.29
HVAC18	RSTCZ07	ROB	2_HV_SpHtBIHEff	2	1	0	96.29

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ07	ROB	1_HV_SpHtBIBase	1	1	0.14	91.42
HVAC18	SCHCZ07	ROB	2_HV_SpHtBIHEff	2	1	0	91.42
HVAC18	SMOCZ07	ROB	1_HV_SpHtBIBase	1	1	0	71.38
HVAC18	SMOCZ07	ROB	2_HV_SpHtBIHEff	2	1	0	71.38
HVAC18	WRHCZ07	ROB	1_HV_SpHtBIBase	1	1	0.04	60.46
HVAC18	WRHCZ07	ROB	2_HV_SpHtBIHEff	2	1	0	60.46
HVAC15	COLCZ07	RET	2_HV_DXTuneUp	2	0.2	0.05	2.29
HVAC15	GRCCZ07	RET	2_HV_DXTuneUp	2	0.66	0.17	2.32
HVAC15	HLTCZ07	RET	2_HV_DXTuneUp	2	0.67	0.17	2.67
HVAC15	LDGCZ07	RET	2_HV_DXTuneUp	2	0.48	0.12	2.38
HVAC15	LGOCZ07	RET	2_HV_DXTuneUp	2	0.56	0.14	2.61
HVAC15	MSCCZ07	RET	2_HV_DXTuneUp	2	0.37	0.09	2.71
HVAC15	REFCZ07	RET	2_HV_DXTuneUp	2	0.07	0.02	2.38
HVAC15	RETCZ07	RET	2_HV_DXTuneUp	2	0.57	0.14	2.5
HVAC15	RSTCZ07	RET	2_HV_DXTuneUp	2	0.66	0.17	4.57
HVAC15	SCHCZ07	RET	2_HV_DXTuneUp	2	0.33	0.08	3.4
HVAC15	SMOCZ07	RET	2_HV_DXTuneUp	2	0.91	0.23	3.2
HVAC15	WRHCZ07	RET	2_HV_DXTuneUp	2	0.25	0.06	3.33
HVAC14	COLCZ07	RET	2_HV_CHTuneUp	2	0.12	0.03	2.29
HVAC14	GRCCZ07	RET	2_HV_CHTuneUp	2	0	0	2.32
HVAC14	HLTCZ07	RET	2_HV_CHTuneUp	2	0.23	0.06	2.67
HVAC14	LDGCZ07	RET	2_HV_CHTuneUp	2	0.43	0.11	2.38
HVAC14	LGOCZ07	RET	2_HV_CHTuneUp	2	0.31	0.08	2.61
HVAC14	MSCCZ07	RET	2_HV_CHTuneUp	2	0.03	0.01	2.71
HVAC14	REFCZ07	RET	2_HV_CHTuneUp	2	0	0	2.38
HVAC14	RETCZ07	RET	2_HV_CHTuneUp	2	0	0	2.5
HVAC14	RSTCZ07	RET	2_HV_CHTuneUp	2	0	0	4.57
HVAC14	SCHCZ07	RET	2_HV_CHTuneUp	2	0.04	0.01	3.4
HVAC14	SMOCZ07	RET	2_HV_CHTuneUp	2	0	0	3.2
HVAC14	WRHCZ07	RET	2_HV_CHTuneUp	2	0.04	0.01	3.33
HVAC13	COLCZ07	ROB	1_HV_PTUge24	1	1	0	2.29
HVAC13	COLCZ07	ROB	2_HV_PTUge24HE	2	1	0	2.29
HVAC13	GRCCZ07	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	GRCCZ07	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	HLTCZ07	ROB	1_HV_PTUge24	1	1	0.01	2.67

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ07	ROB	2_HV_PTUge24HE	2	1	0	2.67
HVAC13	LDGCZ07	ROB	1_HV_PTUge24	1	1	0	2.38
HVAC13	LDGCZ07	ROB	2_HV_PTUge24HE	2	1	0	2.38
HVAC13	LGOCZ07	ROB	1_HV_PTUge24	1	1	0	2.61
HVAC13	LGOCZ07	ROB	2_HV_PTUge24HE	2	1	0	2.61
HVAC13	MSCCZ07	ROB	1_HV_PTUge24	1	1	0.01	2.71
HVAC13	MSCCZ07	ROB	2_HV_PTUge24HE	2	1	0	2.71
HVAC13	REFCZ07	ROB	1_HV_PTUge24	1	1	0	2.38
HVAC13	REFCZ07	ROB	2_HV_PTUge24HE	2	1	0	2.38
HVAC13	RETCZ07	ROB	1_HV_PTUge24	1	1	0.03	2.5
HVAC13	RETCZ07	ROB	2_HV_PTUge24HE	2	1	0	2.5
HVAC13	RSTCZ07	ROB	1_HV_PTUge24	1	1	0	4.57
HVAC13	RSTCZ07	ROB	2_HV_PTUge24HE	2	1	0	4.57
HVAC13	SCHCZ07	ROB	1_HV_PTUge24	1	1	0	3.4
HVAC13	SCHCZ07	ROB	2_HV_PTUge24HE	2	1	0	3.4
HVAC13	SMOCZ07	ROB	1_HV_PTUge24	1	1	0	3.2
HVAC13	SMOCZ07	ROB	2_HV_PTUge24HE	2	1	0	3.2
HVAC13	WRHCZ07	ROB	1_HV_PTUge24	1	1	0	3.33
HVAC13	WRHCZ07	ROB	2_HV_PTUge24HE	2	1	0	3.33
HVAC10	COLCZ07	ROB	1_HV_PTUlt24	1	1	0	2.29
HVAC10	COLCZ07	ROB	2_HV_PTUlt24HE	2	1	0	2.29
HVAC10	GRCCZ07	ROB	1_HV_PTUlt24	1	1	0	2.32
HVAC10	GRCCZ07	ROB	2_HV_PTUlt24HE	2	1	0	2.32
HVAC10	HLTCZ07	ROB	1_HV_PTUlt24	1	1	0.01	2.67
HVAC10	HLTCZ07	ROB	2_HV_PTUlt24HE	2	1	0	2.67
HVAC10	LDGCZ07	ROB	1_HV_PTUlt24	1	1	0.09	2.38
HVAC10	LDGCZ07	ROB	2_HV_PTUlt24HE	2	1	0	2.38
HVAC10	LGOCZ07	ROB	1_HV_PTUlt24	1	1	0	2.61
HVAC10	LGOCZ07	ROB	2_HV_PTUlt24HE	2	1	0	2.61
HVAC10	MSCCZ07	ROB	1_HV_PTUlt24	1	1	0	2.71
HVAC10	MSCCZ07	ROB	2_HV_PTUlt24HE	2	1	0	2.71
HVAC10	REFCZ07	ROB	1_HV_PTUlt24	1	1	0	2.38
HVAC10	REFCZ07	ROB	2_HV_PTUlt24HE	2	1	0	2.38
HVAC10	RETCZ07	ROB	1_HV_PTUlt24	1	1	0	2.5
HVAC10	RETCZ07	ROB	2_HV_PTUlt24HE	2	1	0	2.5

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ07	ROB	1_HV_PTUlt24	1	1	0	4.57
HVAC10	RSTCZ07	ROB	2_HV_PTUlt24HE	2	1	0	4.57
HVAC10	SCHCZ07	ROB	1_HV_PTUlt24	1	1	0	3.4
HVAC10	SCHCZ07	ROB	2_HV_PTUlt24HE	2	1	0	3.4
HVAC10	SMOCZ07	ROB	1_HV_PTUlt24	1	1	0	3.2
HVAC10	SMOCZ07	ROB	2_HV_PTUlt24HE	2	1	0	3.2
HVAC10	WRHCZ07	ROB	1_HV_PTUlt24	1	1	0	3.33
HVAC10	WRHCZ07	ROB	2_HV_PTUlt24HE	2	1	0	3.33
HVAC1	COLCZ07	ROB	1_HV_CentChBase	1	1	0	2.29
HVAC1	COLCZ07	ROB	2_HV_CentChHEff	2	1	0	2.29
HVAC1	GRCCZ07	ROB	1_HV_CentChBase	1	1	0	2.32
HVAC1	GRCCZ07	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	HLTCZ07	ROB	1_HV_CentChBase	1	1	0.16	2.67
HVAC1	HLTCZ07	ROB	2_HV_CentChHEff	2	1	0	2.67
HVAC1	LDGCZ07	ROB	1_HV_CentChBase	1	1	0.3	2.38
HVAC1	LDGCZ07	ROB	2_HV_CentChHEff	2	1	0	2.38
HVAC1	LGOCZ07	ROB	1_HV_CentChBase	1	1	0.18	2.61
HVAC1	LGOCZ07	ROB	2_HV_CentChHEff	2	1	0	2.61
HVAC1	MSCCZ07	ROB	1_HV_CentChBase	1	1	0.01	2.71
HVAC1	MSCCZ07	ROB	2_HV_CentChHEff	2	1	0	2.71
HVAC1	REFCZ07	ROB	1_HV_CentChBase	1	1	0	2.38
HVAC1	REFCZ07	ROB	2_HV_CentChHEff	2	1	0	2.38
HVAC1	RETCZ07	ROB	1_HV_CentChBase	1	1	0	2.5
HVAC1	RETCZ07	ROB	2_HV_CentChHEff	2	1	0	2.5
HVAC1	RSTCZ07	ROB	1_HV_CentChBase	1	1	0	4.57
HVAC1	RSTCZ07	ROB	2_HV_CentChHEff	2	1	0	4.57
HVAC1	SCHCZ07	ROB	1_HV_CentChBase	1	1	0	3.4
HVAC1	SCHCZ07	ROB	2_HV_CentChHEff	2	1	0	3.4
HVAC1	SMOCZ07	ROB	1_HV_CentChBase	1	1	0	3.2
HVAC1	SMOCZ07	ROB	2_HV_CentChHEff	2	1	0	3.2
HVAC1	WRHCZ07	ROB	1_HV_CentChBase	1	1	0	3.33
HVAC1	WRHCZ07	ROB	2_HV_CentChHEff	2	1	0	3.33

SDG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ10	ROB	1_HV_PACge65	1	1	0.24	2.6
HVAC3	COLCZ10	ROB	2_HV_PACge6513	2	1	0	2.6
HVAC3	COLCZ10	ROB	3_HV_PACge6514	3	1	0	2.6
HVAC3	GRCCZ10	ROB	1_HV_PACge65	1	1	0.26	2.83
HVAC3	GRCCZ10	ROB	2_HV_PACge6513	2	1	0	2.83
HVAC3	GRCCZ10	ROB	3_HV_PACge6514	3	1	0	2.83
HVAC3	HLTCZ10	ROB	1_HV_PACge65	1	1	0.09	2.81
HVAC3	HLTCZ10	ROB	2_HV_PACge6513	2	1	0	2.81
HVAC3	HLTCZ10	ROB	3_HV_PACge6514	3	1	0	2.81
HVAC3	LDGCZ10	ROB	1_HV_PACge65	1	1	0	2.11
HVAC3	LDGCZ10	ROB	2_HV_PACge6513	2	1	0	2.11
HVAC3	LDGCZ10	ROB	3_HV_PACge6514	3	1	0	2.11
HVAC3	LGOCZ10	ROB	1_HV_PACge65	1	1	0.43	2.95
HVAC3	LGOCZ10	ROB	2_HV_PACge6513	2	1	0	2.95
HVAC3	LGOCZ10	ROB	3_HV_PACge6514	3	1	0	2.95
HVAC3	MSCCZ10	ROB	1_HV_PACge65	1	1	0.04	3.1
HVAC3	MSCCZ10	ROB	2_HV_PACge6513	2	1	0	3.1
HVAC3	MSCCZ10	ROB	3_HV_PACge6514	3	1	0	3.1
HVAC3	REFCZ10	ROB	1_HV_PACge65	1	1	0.13	2.43
HVAC3	REFCZ10	ROB	2_HV_PACge6513	2	1	0	2.43
HVAC3	REFCZ10	ROB	3_HV_PACge6514	3	1	0	2.43
HVAC3	RETCZ10	ROB	1_HV_PACge65	1	1	0.29	3.02
HVAC3	RETCZ10	ROB	2_HV_PACge6513	2	1	0	3.02
HVAC3	RETCZ10	ROB	3_HV_PACge6514	3	1	0	3.02
HVAC3	RSTCZ10	ROB	1_HV_PACge65	1	1	0.3	4.74
HVAC3	RSTCZ10	ROB	2_HV_PACge6513	2	1	0	4.74
HVAC3	RSTCZ10	ROB	3_HV_PACge6514	3	1	0	4.74
HVAC3	SCHCZ10	ROB	1_HV_PACge65	1	1	0.16	3.54
HVAC3	SCHCZ10	ROB	2_HV_PACge6513	2	1	0	3.54
HVAC3	SCHCZ10	ROB	3_HV_PACge6514	3	1	0	3.54
HVAC3	SMOCZ10	ROB	1_HV_PACge65	1	1	0.24	3.01
HVAC3	SMOCZ10	ROB	2_HV_PACge6513	2	1	0	3.01
HVAC3	SMOCZ10	ROB	3_HV_PACge6514	3	1	0	3.01
HVAC3	WRHCZ10	ROB	1_HV_PACge65	1	1	0.05	2.8
HVAC3	WRHCZ10	ROB	2_HV_PACge6513	2	1	0	2.8

SDG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ10	ROB	3_HV_PACge6514	3	1	0	2.8
HVAC29	COLCZ10	RET	2_HV_BPipelns	1	0.65	0.02	0.01
HVAC29	GRCCZ10	RET	2_HV_BPipelns	1	0	0	0
HVAC29	HLTCZ10	RET	2_HV_BPipelns	1	0.65	0.13	0.02
HVAC29	LDGCZ10	RET	2_HV_BPipelns	1	0.66	0.23	0.06
HVAC29	LGOCZ10	RET	2_HV_BPipelns	1	0.42	0	0.04
HVAC29	MSCCZ10	RET	2_HV_BPipelns	1	0.84	0	1.49
HVAC29	REFCZ10	RET	2_HV_BPipelns	1	0.13	0.01	0.05
HVAC29	RETCZ10	RET	2_HV_BPipelns	1	0.01	0	0.04
HVAC29	RSTCZ10	RET	2_HV_BPipelns	1	0.04	0.01	0.32
HVAC29	SCHCZ10	RET	2_HV_BPipelns	1	0.51	0.02	0.04
HVAC29	SMOCZ10	RET	2_HV_BPipelns	1	0	0	0
HVAC29	WRHCZ10	RET	2_HV_BPipelns	1	0.06	0	0
HVAC24	COLCZ10	RET	2_HV_ChilPmpVFD	1	0.65	0.29	0.23
HVAC24	GRCCZ10	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	HLTCZ10	RET	2_HV_ChilPmpVFD	1	0.6	0	0.38
HVAC24	LDGCZ10	RET	2_HV_ChilPmpVFD	1	0.07	0.01	0.24
HVAC24	LGOCZ10	RET	2_HV_ChilPmpVFD	1	0.14	0	0.41
HVAC24	MSCCZ10	RET	2_HV_ChilPmpVFD	1	0.01	0	0.19
HVAC24	REFCZ10	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ10	RET	2_HV_ChilPmpVFD	1	0.11	0.02	0.34
HVAC24	RSTCZ10	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ10	RET	2_HV_ChilPmpVFD	1	0.26	0	0.11
HVAC24	SMOCZ10	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	WRHCZ10	RET	2_HV_ChilPmpVFD	1	0.05	0	0.11
HVAC23	COLCZ10	RET	2_HV_VAV	1	0.41	0.27	0.98
HVAC23	GRCCZ10	RET	2_HV_VAV	1	0.05	0	0.5
HVAC23	HLTCZ10	RET	2_HV_VAV	1	0.56	0.01	1.17
HVAC23	LDGCZ10	RET	2_HV_VAV	1	0.06	0	0.3
HVAC23	LGOCZ10	RET	2_HV_VAV	1	0.39	0.11	1.19
HVAC23	MSCCZ10	RET	2_HV_VAV	1	0.01	0	0.67
HVAC23	REFCZ10	RET	2_HV_VAV	1	0.03	0.03	0.26
HVAC23	RETCZ10	RET	2_HV_VAV	1	0.06	0.03	0.92
HVAC23	RSTCZ10	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ10	RET	2_HV_VAV	1	0.18	0	0.15



SDG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ10	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ10	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ10	RET	2_HV_CoolRoof	1	0.18	0	960.46
HVAC22	GRCCZ10	RET	2_HV_CoolRoof	1	0.16	0	1000
HVAC22	HLTCZ10	RET	2_HV_CoolRoof	1	0.16	0	531.22
HVAC22	LDGCZ10	RET	2_HV_CoolRoof	1	0.05	0	485.93
HVAC22	LGOCZ10	RET	2_HV_CoolRoof	1	0.16	0	572.21
HVAC22	MSCCZ10	RET	2_HV_CoolRoof	1	0.04	0	656.38
HVAC22	REFCZ10	RET	2_HV_CoolRoof	1	0.26	0	771.34
HVAC22	RETCZ10	RET	2_HV_CoolRoof	1	0.22	0.06	943.79
HVAC22	RSTCZ10	RET	2_HV_CoolRoof	1	0.06	0	1000
HVAC22	SCHCZ10	RET	2_HV_CoolRoof	1	0.26	0	571.99
HVAC22	SMOCZ10	RET	2_HV_CoolRoof	1	0.22	0	1000
HVAC22	WRHCZ10	RET	2_HV_CoolRoof	1	0.22	0	653.34
HVAC21SZG	COLCZ10	RET	2_HV_TCtIszG	1	0.45	0.34	0.09
HVAC21SZG	GRCCZ10	RET	2_HV_TCtIszG	1	0.09	0.05	0.52
HVAC21SZG	HLTCZ10	RET	2_HV_TCtIszG	1	0.55	0.31	0.17
HVAC21SZG	LDGCZ10	RET	2_HV_TCtIszG	1	0.01	0	3.57
HVAC21SZG	LGOCZ10	RET	2_HV_TCtIszG	1	0.25	0.13	0.56
HVAC21SZG	MSCCZ10	RET	2_HV_TCtIszG	1	0.02	0.01	0.43
HVAC21SZG	REFCZ10	RET	2_HV_TCtIszG	1	0.01	0	0.39
HVAC21SZG	RETCZ10	RET	2_HV_TCtIszG	1	0.1	0.04	0.57
HVAC21SZG	RSTCZ10	RET	2_HV_TCtIszG	1	0.19	0.03	1.09
HVAC21SZG	SCHCZ10	RET	2_HV_TCtIszG	1	0.25	0.24	0.38
HVAC21SZG	SMOCZ10	RET	2_HV_TCtIszG	1	0.19	0.08	0.82
HVAC21SZG	WRHCZ10	RET	2_HV_TCtIszG	1	0.01	0	0.28
HVAC21SZE	COLCZ10	RET	2_HV_TCtIszE	1	0.03	0	1.46
HVAC21SZE	GRCCZ10	RET	2_HV_TCtIszE	1	0.04	0.02	0.8
HVAC21SZE	HLTCZ10	RET	2_HV_TCtIszE	1	0.1	0.04	1.12
HVAC21SZE	LDGCZ10	RET	2_HV_TCtIszE	1	0.26	0.05	2.43
HVAC21SZE	LGOCZ10	RET	2_HV_TCtIszE	1	0.1	0.04	0.61
HVAC21SZE	MSCCZ10	RET	2_HV_TCtIszE	1	0.01	0	0.93
HVAC21SZE	REFCZ10	RET	2_HV_TCtIszE	1	0	0	0.96
HVAC21SZE	RETCZ10	RET	2_HV_TCtIszE	1	0.17	0.04	0.63
HVAC21SZE	RSTCZ10	RET	2_HV_TCtIszE	1	0.06	0.03	1.1

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ10	RET	2_HV_TCtlSzE	1	0.18	0.09	0.96
HVAC21SZE	SMOCZ10	RET	2_HV_TCtlSzE	1	0.11	0.11	0.26
HVAC21SZE	WRHCZ10	RET	2_HV_TCtlSzE	1	0.02	0.01	0.94
HVAC20E	COLCZ10	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	GRCCZ10	RET	2_HV_RflSngPane	1	0.09	0	63.19
HVAC20E	HLTCZ10	RET	2_HV_RflSngPane	1	0.03	0	89.83
HVAC20E	LDGCZ10	RET	2_HV_RflSngPane	1	0.18	0	47.34
HVAC20E	LGOCZ10	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	MSCCZ10	RET	2_HV_RflSngPane	1	0.01	0	22.15
HVAC20E	REFCZ10	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	RETCZ10	RET	2_HV_RflSngPane	1	0.04	0	47.78
HVAC20E	RSTCZ10	RET	2_HV_RflSngPane	1	0.04	0	102.44
HVAC20E	SCHCZ10	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	SMOCZ10	RET	2_HV_RflSngPane	1	0.14	0	74.31
HVAC20E	WRHCZ10	RET	2_HV_RflSngPane	1	0.27	0.16	14.38
HVAC2	COLCZ10	ROB	1_HV_PAClt65	1	1	0.26	2.6
HVAC2	COLCZ10	ROB	2_HV_PAClt6513	2	1	0	2.6
HVAC2	COLCZ10	ROB	3_HV_PAClt6514	3	1	0	2.6
HVAC2	GRCCZ10	ROB	1_HV_PAClt65	1	1	0.32	2.83
HVAC2	GRCCZ10	ROB	2_HV_PAClt6513	2	1	0	2.83
HVAC2	GRCCZ10	ROB	3_HV_PAClt6514	3	1	0	2.83
HVAC2	HLTCZ10	ROB	1_HV_PAClt65	1	1	0.34	2.81
HVAC2	HLTCZ10	ROB	2_HV_PAClt6513	2	1	0	2.81
HVAC2	HLTCZ10	ROB	3_HV_PAClt6514	3	1	0	2.81
HVAC2	LDGCZ10	ROB	1_HV_PAClt65	1	1	0.19	2.11
HVAC2	LDGCZ10	ROB	2_HV_PAClt6513	2	1	0	2.11
HVAC2	LDGCZ10	ROB	3_HV_PAClt6514	3	1	0	2.11
HVAC2	LGOCZ10	ROB	1_HV_PAClt65	1	1	0.3	2.95
HVAC2	LGOCZ10	ROB	2_HV_PAClt6513	2	1	0	2.95
HVAC2	LGOCZ10	ROB	3_HV_PAClt6514	3	1	0	2.95
HVAC2	MSCCZ10	ROB	1_HV_PAClt65	1	1	0.04	3.1
HVAC2	MSCCZ10	ROB	2_HV_PAClt6513	2	1	0	3.1
HVAC2	MSCCZ10	ROB	3_HV_PAClt6514	3	1	0	3.1
HVAC2	REFCZ10	ROB	1_HV_PAClt65	1	1	0.03	2.43
HVAC2	REFCZ10	ROB	2_HV_PAClt6513	2	1	0	2.43

SDG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ10	ROB	3_HV_PACIt6514	3	1	0	2.43
HVAC2	RETCZ10	ROB	1_HV_PACIt65	1	1	0.36	3.02
HVAC2	RETCZ10	ROB	2_HV_PACIt6513	2	1	0	3.02
HVAC2	RETCZ10	ROB	3_HV_PACIt6514	3	1	0	3.02
HVAC2	RSTCZ10	ROB	1_HV_PACIt65	1	1	0.45	4.74
HVAC2	RSTCZ10	ROB	2_HV_PACIt6513	2	1	0	4.74
HVAC2	RSTCZ10	ROB	3_HV_PACIt6514	3	1	0	4.74
HVAC2	SCHCZ10	ROB	1_HV_PACIt65	1	1	0.43	3.54
HVAC2	SCHCZ10	ROB	2_HV_PACIt6513	2	1	0	3.54
HVAC2	SCHCZ10	ROB	3_HV_PACIt6514	3	1	0	3.54
HVAC2	SMOCZ10	ROB	1_HV_PACIt65	1	1	0.67	3.01
HVAC2	SMOCZ10	ROB	2_HV_PACIt6513	2	1	0	3.01
HVAC2	SMOCZ10	ROB	3_HV_PACIt6514	3	1	0	3.01
HVAC2	WRHCZ10	ROB	1_HV_PACIt65	1	1	0.07	2.8
HVAC2	WRHCZ10	ROB	2_HV_PACIt6513	2	1	0	2.8
HVAC2	WRHCZ10	ROB	3_HV_PACIt6514	3	1	0	2.8
HVAC1A	COLCZ10	ROB	1_HV_RecChBase	1	1	0.08	2.6
HVAC1A	COLCZ10	ROB	2_HV_RecChHEff	2	1	0.01	2.6
HVAC1A	GRCCZ10	ROB	1_HV_RecChBase	1	1	0	2.83
HVAC1A	GRCCZ10	ROB	2_HV_RecChHEff	2	1	0	2.83
HVAC1A	HLTCZ10	ROB	1_HV_RecChBase	1	1	0.02	2.81
HVAC1A	HLTCZ10	ROB	2_HV_RecChHEff	2	1	0.08	2.81
HVAC1A	LDGCZ10	ROB	1_HV_RecChBase	1	1	0	2.11
HVAC1A	LDGCZ10	ROB	2_HV_RecChHEff	2	1	0.03	2.11
HVAC1A	LGOCZ10	ROB	1_HV_RecChBase	1	1	0.13	2.95
HVAC1A	LGOCZ10	ROB	2_HV_RecChHEff	2	1	0	2.95
HVAC1A	MSCCZ10	ROB	1_HV_RecChBase	1	1	0	3.1
HVAC1A	MSCCZ10	ROB	2_HV_RecChHEff	2	1	0	3.1
HVAC1A	REFCZ10	ROB	1_HV_RecChBase	1	1	0	2.43
HVAC1A	REFCZ10	ROB	2_HV_RecChHEff	2	1	0	2.43
HVAC1A	RETCZ10	ROB	1_HV_RecChBase	1	1	0.02	3.02
HVAC1A	RETCZ10	ROB	2_HV_RecChHEff	2	1	0.04	3.02
HVAC1A	RSTCZ10	ROB	1_HV_RecChBase	1	1	0	4.74
HVAC1A	RSTCZ10	ROB	2_HV_RecChHEff	2	1	0	4.74
HVAC1A	SCHCZ10	ROB	1_HV_RecChBase	1	1	0.05	3.54

SDG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ10	ROB	2_HV_RecChHEff	2	1	0.04	3.54
HVAC1A	SMOCZ10	ROB	1_HV_RecChBase	1	1	0	3.01
HVAC1A	SMOCZ10	ROB	2_HV_RecChHEff	2	1	0	3.01
HVAC1A	WRHCZ10	ROB	1_HV_RecChBase	1	1	0	2.8
HVAC1A	WRHCZ10	ROB	2_HV_RecChHEff	2	1	0	2.8
HVAC19	COLCZ10	RET	2_HV_SpHtBITune	1	0.08	0	0.02
HVAC19	GRCCZ10	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	HLTCZ10	RET	2_HV_SpHtBITune	1	0.57	0	0.01
HVAC19	LDGCZ10	RET	2_HV_SpHtBITune	1	0.21	0	0.01
HVAC19	LGOCZ10	RET	2_HV_SpHtBITune	1	0.42	0	0.02
HVAC19	MSCCZ10	RET	2_HV_SpHtBITune	1	0.01	0	0.04
HVAC19	REFCZ10	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ10	RET	2_HV_SpHtBITune	1	0.01	0	0.02
HVAC19	RSTCZ10	RET	2_HV_SpHtBITune	1	0.03	0	0.15
HVAC19	SCHCZ10	RET	2_HV_SpHtBITune	1	0.04	0	0.03
HVAC19	SMOCZ10	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	WRHCZ10	RET	2_HV_SpHtBITune	1	0.05	0	0
HVAC18	COLCZ10	ROB	1_HV_SpHtBIBase	1	1	0.31	36.27
HVAC18	COLCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	36.27
HVAC18	GRCCZ10	ROB	1_HV_SpHtBIBase	1	1	0	52.25
HVAC18	GRCCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	52.25
HVAC18	HLTCZ10	ROB	1_HV_SpHtBIBase	1	1	0.16	29.27
HVAC18	HLTCZ10	ROB	2_HV_SpHtBIHEff	2	1	0.02	29.27
HVAC18	LDGCZ10	ROB	1_HV_SpHtBIBase	1	1	0.17	51.57
HVAC18	LDGCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	51.57
HVAC18	LGOCZ10	ROB	1_HV_SpHtBIBase	1	1	0.37	39.9
HVAC18	LGOCZ10	ROB	2_HV_SpHtBIHEff	2	1	0.02	39.9
HVAC18	MSCCZ10	ROB	1_HV_SpHtBIBase	1	1	0.01	26.52
HVAC18	MSCCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	26.52
HVAC18	REFCZ10	ROB	1_HV_SpHtBIBase	1	1	0	41.85
HVAC18	REFCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	41.85
HVAC18	RETCZ10	ROB	1_HV_SpHtBIBase	1	1	0.01	60.56
HVAC18	RETCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	60.56
HVAC18	RSTCZ10	ROB	1_HV_SpHtBIBase	1	1	0.03	93.55
HVAC18	RSTCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	93.55

SDG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ10	ROB	1_HV_SpHtBIBase	1	1	0.1	62.27
HVAC18	SCHCZ10	ROB	2_HV_SpHtBIHEff	2	1	0.04	62.27
HVAC18	SMOCZ10	ROB	1_HV_SpHtBIBase	1	1	0	63.49
HVAC18	SMOCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	63.49
HVAC18	WRHCZ10	ROB	1_HV_SpHtBIBase	1	1	0	54.41
HVAC18	WRHCZ10	ROB	2_HV_SpHtBIHEff	2	1	0	54.41
HVAC15	COLCZ10	RET	2_HV_DXTuneUp	2	0.38	0.09	2.6
HVAC15	GRCCZ10	RET	2_HV_DXTuneUp	2	0.6	0.15	2.83
HVAC15	HLTCZ10	RET	2_HV_DXTuneUp	2	0.4	0.1	2.81
HVAC15	LDGCZ10	RET	2_HV_DXTuneUp	2	0.58	0.15	2.11
HVAC15	LGOCZ10	RET	2_HV_DXTuneUp	2	0.75	0.19	2.95
HVAC15	MSCCZ10	RET	2_HV_DXTuneUp	2	0.89	0.22	2.73
HVAC15	REFCZ10	RET	2_HV_DXTuneUp	2	0.16	0.04	2.43
HVAC15	RETCZ10	RET	2_HV_DXTuneUp	2	0.65	0.16	3.02
HVAC15	RSTCZ10	RET	2_HV_DXTuneUp	2	0.72	0.18	4.74
HVAC15	SCHCZ10	RET	2_HV_DXTuneUp	2	0.57	0.14	3.54
HVAC15	SMOCZ10	RET	2_HV_DXTuneUp	2	0.95	0.24	3.01
HVAC15	WRHCZ10	RET	2_HV_DXTuneUp	2	0.12	0.03	2.8
HVAC14	COLCZ10	RET	2_HV_CHTuneUp	2	0.28	0.07	2.6
HVAC14	GRCCZ10	RET	2_HV_CHTuneUp	2	0	0	2.83
HVAC14	HLTCZ10	RET	2_HV_CHTuneUp	2	0.52	0.13	2.81
HVAC14	LDGCZ10	RET	2_HV_CHTuneUp	2	0.11	0.03	2.11
HVAC14	LGOCZ10	RET	2_HV_CHTuneUp	2	0.2	0.05	2.95
HVAC14	MSCCZ10	RET	2_HV_CHTuneUp	2	0.01	0	2.73
HVAC14	REFCZ10	RET	2_HV_CHTuneUp	2	0	0	2.43
HVAC14	RETCZ10	RET	2_HV_CHTuneUp	2	0.1	0.03	3.02
HVAC14	RSTCZ10	RET	2_HV_CHTuneUp	2	0	0	4.74
HVAC14	SCHCZ10	RET	2_HV_CHTuneUp	2	0.16	0.04	3.54
HVAC14	SMOCZ10	RET	2_HV_CHTuneUp	2	0	0	3.01
HVAC14	WRHCZ10	RET	2_HV_CHTuneUp	2	0	0	2.8
HVAC13	COLCZ10	ROB	1_HV_PTUge24	1	1	0	2.6
HVAC13	COLCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.6
HVAC13	GRCCZ10	ROB	1_HV_PTUge24	1	1	0	2.83
HVAC13	GRCCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.83
HVAC13	HLTCZ10	ROB	1_HV_PTUge24	1	1	0	2.81

SDG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.81
HVAC13	LDGCZ10	ROB	1_HV_PTUge24	1	1	0	2.11
HVAC13	LDGCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.11
HVAC13	LGOCZ10	ROB	1_HV_PTUge24	1	1	0	2.95
HVAC13	LGOCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.95
HVAC13	MSCCZ10	ROB	1_HV_PTUge24	1	1	0	3.1
HVAC13	MSCCZ10	ROB	2_HV_PTUge24HE	2	1	0	3.1
HVAC13	REFCZ10	ROB	1_HV_PTUge24	1	1	0	2.43
HVAC13	REFCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.43
HVAC13	RETCZ10	ROB	1_HV_PTUge24	1	1	0	3.02
HVAC13	RETCZ10	ROB	2_HV_PTUge24HE	2	1	0	3.02
HVAC13	RSTCZ10	ROB	1_HV_PTUge24	1	1	0	4.74
HVAC13	RSTCZ10	ROB	2_HV_PTUge24HE	2	1	0	4.74
HVAC13	SCHCZ10	ROB	1_HV_PTUge24	1	1	0	3.54
HVAC13	SCHCZ10	ROB	2_HV_PTUge24HE	2	1	0	3.54
HVAC13	SMOCZ10	ROB	1_HV_PTUge24	1	1	0	3.01
HVAC13	SMOCZ10	ROB	2_HV_PTUge24HE	2	1	0	3.01
HVAC13	WRHCZ10	ROB	1_HV_PTUge24	1	1	0	2.8
HVAC13	WRHCZ10	ROB	2_HV_PTUge24HE	2	1	0	2.8
HVAC10	COLCZ10	ROB	1_HV_PTUit24	1	1	0.03	2.6
HVAC10	COLCZ10	ROB	2_HV_PTUit24HE	2	1	0	2.6
HVAC10	GRCCZ10	ROB	1_HV_PTUit24	1	1	0.01	2.83
HVAC10	GRCCZ10	ROB	2_HV_PTUit24HE	2	1	0	2.83
HVAC10	HLTCZ10	ROB	1_HV_PTUit24	1	1	0.02	2.81
HVAC10	HLTCZ10	ROB	2_HV_PTUit24HE	2	1	0	2.81
HVAC10	LDGCZ10	ROB	1_HV_PTUit24	1	1	0.43	2.11
HVAC10	LDGCZ10	ROB	2_HV_PTUit24HE	2	1	0	2.11
HVAC10	LGOCZ10	ROB	1_HV_PTUit24	1	1	0	2.95
HVAC10	LGOCZ10	ROB	2_HV_PTUit24HE	2	1	0	2.95
HVAC10	MSCCZ10	ROB	1_HV_PTUit24	1	1	0	3.1
HVAC10	MSCCZ10	ROB	2_HV_PTUit24HE	2	1	0	3.1
HVAC10	REFCZ10	ROB	1_HV_PTUit24	1	1	0	2.43
HVAC10	REFCZ10	ROB	2_HV_PTUit24HE	2	1	0	2.43
HVAC10	RETCZ10	ROB	1_HV_PTUit24	1	1	0	3.02
HVAC10	RETCZ10	ROB	2_HV_PTUit24HE	2	1	0	3.02

SDG&E Commercial HVAC  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ10	ROB	1_HV_PTUIt24	1	1	0	4.74
HVAC10	RSTCZ10	ROB	2_HV_PTUIt24HE	2	1	0	4.74
HVAC10	SCHCZ10	ROB	1_HV_PTUIt24	1	1	0	3.54
HVAC10	SCHCZ10	ROB	2_HV_PTUIt24HE	2	1	0	3.54
HVAC10	SMOCZ10	ROB	1_HV_PTUIt24	1	1	0.04	3.01
HVAC10	SMOCZ10	ROB	2_HV_PTUIt24HE	2	1	0	3.01
HVAC10	WRHCZ10	ROB	1_HV_PTUIt24	1	1	0	2.8
HVAC10	WRHCZ10	ROB	2_HV_PTUIt24HE	2	1	0	2.8
HVAC1	COLCZ10	ROB	1_HV_CentChBase	1	1	0.21	2.6
HVAC1	COLCZ10	ROB	2_HV_CentChHEff	2	1	0	2.6
HVAC1	GRCCZ10	ROB	1_HV_CentChBase	1	1	0	2.83
HVAC1	GRCCZ10	ROB	2_HV_CentChHEff	2	1	0	2.83
HVAC1	HLTCZ10	ROB	1_HV_CentChBase	1	1	0.41	2.81
HVAC1	HLTCZ10	ROB	2_HV_CentChHEff	2	1	0	2.81
HVAC1	LDGCZ10	ROB	1_HV_CentChBase	1	1	0.04	2.11
HVAC1	LDGCZ10	ROB	2_HV_CentChHEff	2	1	0	2.11
HVAC1	LGOCZ10	ROB	1_HV_CentChBase	1	1	0.05	2.95
HVAC1	LGOCZ10	ROB	2_HV_CentChHEff	2	1	0	2.95
HVAC1	MSCCZ10	ROB	1_HV_CentChBase	1	1	0	3.1
HVAC1	MSCCZ10	ROB	2_HV_CentChHEff	2	1	0	3.1
HVAC1	REFCZ10	ROB	1_HV_CentChBase	1	1	0	2.43
HVAC1	REFCZ10	ROB	2_HV_CentChHEff	2	1	0	2.43
HVAC1	RETCZ10	ROB	1_HV_CentChBase	1	1	0.04	3.02
HVAC1	RETCZ10	ROB	2_HV_CentChHEff	2	1	0	3.02
HVAC1	RSTCZ10	ROB	1_HV_CentChBase	1	1	0	4.74
HVAC1	RSTCZ10	ROB	2_HV_CentChHEff	2	1	0	4.74
HVAC1	SCHCZ10	ROB	1_HV_CentChBase	1	1	0.08	3.54
HVAC1	SCHCZ10	ROB	2_HV_CentChHEff	2	1	0	3.54
HVAC1	SMOCZ10	ROB	1_HV_CentChBase	1	1	0	3.01
HVAC1	SMOCZ10	ROB	2_HV_CentChHEff	2	1	0	3.01
HVAC1	WRHCZ10	ROB	1_HV_CentChBase	1	1	0.01	2.8
HVAC1	WRHCZ10	ROB	2_HV_CentChHEff	2	1	0	2.8

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	COLCZ14	ROB	1_HV_PACge65	1	1	0.4	3.38
HVAC3	COLCZ14	ROB	2_HV_PACge6513	2	1	0	3.38
HVAC3	COLCZ14	ROB	3_HV_PACge6514	3	1	0	3.38
HVAC3	GRCCZ14	ROB	1_HV_PACge65	1	1	0.38	3.73
HVAC3	GRCCZ14	ROB	2_HV_PACge6513	2	1	0	3.73
HVAC3	GRCCZ14	ROB	3_HV_PACge6514	3	1	0	3.73
HVAC3	HLTCZ14	ROB	1_HV_PACge65	1	1	0.3	3
HVAC3	HLTCZ14	ROB	2_HV_PACge6513	2	1	0	3
HVAC3	HLTCZ14	ROB	3_HV_PACge6514	3	1	0	3
HVAC3	LDGCZ14	ROB	1_HV_PACge65	1	1	0.04	2.32
HVAC3	LDGCZ14	ROB	2_HV_PACge6513	2	1	0	2.32
HVAC3	LDGCZ14	ROB	3_HV_PACge6514	3	1	0	2.32
HVAC3	LGOCZ14	ROB	1_HV_PACge65	1	1	0.76	3.97
HVAC3	LGOCZ14	ROB	2_HV_PACge6513	2	1	0	3.97
HVAC3	LGOCZ14	ROB	3_HV_PACge6514	3	1	0	3.97
HVAC3	MSCCZ14	ROB	1_HV_PACge65	1	1	0.04	2.48
HVAC3	MSCCZ14	ROB	2_HV_PACge6513	2	1	0	2.48
HVAC3	MSCCZ14	ROB	3_HV_PACge6514	3	1	0	2.48
HVAC3	REFCZ14	ROB	1_HV_PACge65	1	1	0.03	3.83
HVAC3	REFCZ14	ROB	2_HV_PACge6513	2	1	0	3.83
HVAC3	REFCZ14	ROB	3_HV_PACge6514	3	1	0	3.83
HVAC3	RETCZ14	ROB	1_HV_PACge65	1	1	0.52	2.38
HVAC3	RETCZ14	ROB	2_HV_PACge6513	2	1	0	2.38
HVAC3	RETCZ14	ROB	3_HV_PACge6514	3	1	0	2.38
HVAC3	RSTCZ14	ROB	1_HV_PACge65	1	1	0.23	3.87
HVAC3	RSTCZ14	ROB	2_HV_PACge6513	2	1	0	3.87
HVAC3	RSTCZ14	ROB	3_HV_PACge6514	3	1	0	3.87
HVAC3	SCHCZ14	ROB	1_HV_PACge65	1	1	0.28	3.53
HVAC3	SCHCZ14	ROB	2_HV_PACge6513	2	1	0	3.53
HVAC3	SCHCZ14	ROB	3_HV_PACge6514	3	1	0	3.53
HVAC3	SMOCZ14	ROB	1_HV_PACge65	1	1	0.2	3.57
HVAC3	SMOCZ14	ROB	2_HV_PACge6513	2	1	0	3.57
HVAC3	SMOCZ14	ROB	3_HV_PACge6514	3	1	0	3.57
HVAC3	WRHCZ14	ROB	1_HV_PACge65	1	1	0.04	2.28
HVAC3	WRHCZ14	ROB	2_HV_PACge6513	2	1	0	2.28



SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC3	WRHCZ14	ROB	3_HV_PACge6514	3	1	0	2.28
HVAC29	COLCZ14	RET	2_HV_BPipeIns	1	0.95	0.15	0.03
HVAC29	GRCCZ14	RET	2_HV_BPipeIns	1	0.11	0	0.06
HVAC29	HLTCZ14	RET	2_HV_BPipeIns	1	0.59	0.2	0.1
HVAC29	LDGCZ14	RET	2_HV_BPipeIns	1	0.74	0.31	0.08
HVAC29	LGOCZ14	RET	2_HV_BPipeIns	1	0.38	0	0.05
HVAC29	MSCCZ14	RET	2_HV_BPipeIns	1	0.02	0	0.08
HVAC29	REFCZ14	RET	2_HV_BPipeIns	1	0.2	0	0.03
HVAC29	RETCZ14	RET	2_HV_BPipeIns	1	0	0	0.05
HVAC29	RSTCZ14	RET	2_HV_BPipeIns	1	0.02	0	0.22
HVAC29	SCHCZ14	RET	2_HV_BPipeIns	1	0.53	0.11	0.04
HVAC29	SMOCZ14	RET	2_HV_BPipeIns	1	0.01	0	0.23
HVAC29	WRHCZ14	RET	2_HV_BPipeIns	1	0.04	0	0
HVAC24	COLCZ14	RET	2_HV_ChilPmpVFD	1	0.38	0	0.56
HVAC24	GRCCZ14	RET	2_HV_ChilPmpVFD	1	0.08	0	0.1
HVAC24	HLTCZ14	RET	2_HV_ChilPmpVFD	1	0.23	0.08	0.66
HVAC24	LDGCZ14	RET	2_HV_ChilPmpVFD	1	0.5	0	0.41
HVAC24	LGOCZ14	RET	2_HV_ChilPmpVFD	1	0.14	0.02	0.38
HVAC24	MSCCZ14	RET	2_HV_ChilPmpVFD	1	0.01	0	0.38
HVAC24	REFCZ14	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	RETCZ14	RET	2_HV_ChilPmpVFD	1	0.02	0	0.29
HVAC24	RSTCZ14	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC24	SCHCZ14	RET	2_HV_ChilPmpVFD	1	0.21	0	0.34
HVAC24	SMOCZ14	RET	2_HV_ChilPmpVFD	1	0.01	0	0.06
HVAC24	WRHCZ14	RET	2_HV_ChilPmpVFD	1	0	0	0
HVAC23	COLCZ14	RET	2_HV_VAV	1	0.02	0	1.7
HVAC23	GRCCZ14	RET	2_HV_VAV	1	0	0	0
HVAC23	HLTCZ14	RET	2_HV_VAV	1	0.19	0.06	1.15
HVAC23	LDGCZ14	RET	2_HV_VAV	1	0.2	0.01	0.14
HVAC23	LGOCZ14	RET	2_HV_VAV	1	0.24	0.17	1.2
HVAC23	MSCCZ14	RET	2_HV_VAV	1	0	0	0
HVAC23	REFCZ14	RET	2_HV_VAV	1	0	0	0
HVAC23	RETCZ14	RET	2_HV_VAV	1	0.02	0.01	0.77
HVAC23	RSTCZ14	RET	2_HV_VAV	1	0	0	0
HVAC23	SCHCZ14	RET	2_HV_VAV	1	0.12	0.01	0.86

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC23	SMOCZ14	RET	2_HV_VAV	1	0	0	0
HVAC23	WRHCZ14	RET	2_HV_VAV	1	0	0	0
HVAC22	COLCZ14	RET	2_HV_CoolRoof	1	0.61	0	206.77
HVAC22	GRCCZ14	RET	2_HV_CoolRoof	1	0.32	0	999.68
HVAC22	HLTCZ14	RET	2_HV_CoolRoof	1	0.2	0	604.61
HVAC22	LDGCZ14	RET	2_HV_CoolRoof	1	0.19	0	243.35
HVAC22	LGOCZ14	RET	2_HV_CoolRoof	1	0.01	0	801.41
HVAC22	MSCCZ14	RET	2_HV_CoolRoof	1	0.02	0	855.53
HVAC22	REFCZ14	RET	2_HV_CoolRoof	1	0.25	0	528.37
HVAC22	RETCZ14	RET	2_HV_CoolRoof	1	0.32	0.03	774.47
HVAC22	RSTCZ14	RET	2_HV_CoolRoof	1	0.14	0	1000
HVAC22	SCHCZ14	RET	2_HV_CoolRoof	1	0.42	0	577.38
HVAC22	SMOCZ14	RET	2_HV_CoolRoof	1	0.29	0	939.49
HVAC22	WRHCZ14	RET	2_HV_CoolRoof	1	0.04	0	1000
HVAC21SZG	COLCZ14	RET	2_HV_TCtIszG	1	0	0	0
HVAC21SZG	GRCCZ14	RET	2_HV_TCtIszG	1	0.14	0.11	1.02
HVAC21SZG	HLTCZ14	RET	2_HV_TCtIszG	1	0.21	0.19	0.67
HVAC21SZG	LDGCZ14	RET	2_HV_TCtIszG	1	0.06	0	2.01
HVAC21SZG	LGOCZ14	RET	2_HV_TCtIszG	1	0.06	0.04	0.61
HVAC21SZG	MSCCZ14	RET	2_HV_TCtIszG	1	0.04	0.01	0.65
HVAC21SZG	REFCZ14	RET	2_HV_TCtIszG	1	0.05	0.02	0.45
HVAC21SZG	RETCZ14	RET	2_HV_TCtIszG	1	0.32	0.12	0.41
HVAC21SZG	RSTCZ14	RET	2_HV_TCtIszG	1	0.52	0.24	0.7
HVAC21SZG	SCHCZ14	RET	2_HV_TCtIszG	1	0.48	0.43	0.59
HVAC21SZG	SMOCZ14	RET	2_HV_TCtIszG	1	0.25	0.11	0.78
HVAC21SZG	WRHCZ14	RET	2_HV_TCtIszG	1	0.05	0.05	0.73
HVAC21SZE	COLCZ14	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	GRCCZ14	RET	2_HV_TCtIszE	1	0.02	0	1
HVAC21SZE	HLTCZ14	RET	2_HV_TCtIszE	1	0.05	0.05	1.76
HVAC21SZE	LDGCZ14	RET	2_HV_TCtIszE	1	0.1	0	3.56
HVAC21SZE	LGOCZ14	RET	2_HV_TCtIszE	1	0.04	0.04	0.99
HVAC21SZE	MSCCZ14	RET	2_HV_TCtIszE	1	0	0	0.86
HVAC21SZE	REFCZ14	RET	2_HV_TCtIszE	1	0	0	0
HVAC21SZE	RETCZ14	RET	2_HV_TCtIszE	1	0.03	0.02	0.47
HVAC21SZE	RSTCZ14	RET	2_HV_TCtIszE	1	0	0	0

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC21SZE	SCHCZ14	RET	2_HV_TCtlSzE	1	0.13	0.13	0.35
HVAC21SZE	SMOCZ14	RET	2_HV_TCtlSzE	1	0.01	0.01	1.67
HVAC21SZE	WRHCZ14	RET	2_HV_TCtlSzE	1	0	0	0
HVAC20E	COLCZ14	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	GRCCZ14	RET	2_HV_RflSngPane	1	0.03	0	47.63
HVAC20E	HLTCZ14	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	LDGCZ14	RET	2_HV_RflSngPane	1	0.02	0	53.91
HVAC20E	LGOCZ14	RET	2_HV_RflSngPane	1	0	0	152.09
HVAC20E	MSCCZ14	RET	2_HV_RflSngPane	1	0	0	31.62
HVAC20E	REFCZ14	RET	2_HV_RflSngPane	1	0.01	0	1.12
HVAC20E	RETCZ14	RET	2_HV_RflSngPane	1	0.05	0	15.15
HVAC20E	RSTCZ14	RET	2_HV_RflSngPane	1	0.03	0	160.2
HVAC20E	SCHCZ14	RET	2_HV_RflSngPane	1	0	0	0
HVAC20E	SMOCZ14	RET	2_HV_RflSngPane	1	0.24	0	90.26
HVAC20E	WRHCZ14	RET	2_HV_RflSngPane	1	0	0	0
HVAC2	COLCZ14	ROB	1_HV_PAClt65	1	1	0.05	3.38
HVAC2	COLCZ14	ROB	2_HV_PAClt6513	2	1	0	3.38
HVAC2	COLCZ14	ROB	3_HV_PAClt6514	3	1	0	3.38
HVAC2	GRCCZ14	ROB	1_HV_PAClt65	1	1	0.23	3.73
HVAC2	GRCCZ14	ROB	2_HV_PAClt6513	2	1	0	3.73
HVAC2	GRCCZ14	ROB	3_HV_PAClt6514	3	1	0	3.73
HVAC2	HLTCZ14	ROB	1_HV_PAClt65	1	1	0.44	3
HVAC2	HLTCZ14	ROB	2_HV_PAClt6513	2	1	0	3
HVAC2	HLTCZ14	ROB	3_HV_PAClt6514	3	1	0	3
HVAC2	LDGCZ14	ROB	1_HV_PAClt65	1	1	0.32	2.32
HVAC2	LDGCZ14	ROB	2_HV_PAClt6513	2	1	0	2.32
HVAC2	LDGCZ14	ROB	3_HV_PAClt6514	3	1	0	2.32
HVAC2	LGOCZ14	ROB	1_HV_PAClt65	1	1	0.05	3.97
HVAC2	LGOCZ14	ROB	2_HV_PAClt6513	2	1	0	3.97
HVAC2	LGOCZ14	ROB	3_HV_PAClt6514	3	1	0	3.97
HVAC2	MSCCZ14	ROB	1_HV_PAClt65	1	1	0.05	2.48
HVAC2	MSCCZ14	ROB	2_HV_PAClt6513	2	1	0	2.48
HVAC2	MSCCZ14	ROB	3_HV_PAClt6514	3	1	0	2.48
HVAC2	REFCZ14	ROB	1_HV_PAClt65	1	1	0.03	3.83
HVAC2	REFCZ14	ROB	2_HV_PAClt6513	2	1	0	3.83

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC2	REFCZ14	ROB	3_HV_PACIt6514	3	1	0	3.83
HVAC2	RETCZ14	ROB	1_HV_PACIt65	1	1	0.3	2.38
HVAC2	RETCZ14	ROB	2_HV_PACIt6513	2	1	0	2.38
HVAC2	RETCZ14	ROB	3_HV_PACIt6514	3	1	0	2.38
HVAC2	RSTCZ14	ROB	1_HV_PACIt65	1	1	0.67	3.87
HVAC2	RSTCZ14	ROB	2_HV_PACIt6513	2	1	0	3.87
HVAC2	RSTCZ14	ROB	3_HV_PACIt6514	3	1	0	3.87
HVAC2	SCHCZ14	ROB	1_HV_PACIt65	1	1	0.44	3.53
HVAC2	SCHCZ14	ROB	2_HV_PACIt6513	2	1	0	3.53
HVAC2	SCHCZ14	ROB	3_HV_PACIt6514	3	1	0	3.53
HVAC2	SMOCZ14	ROB	1_HV_PACIt65	1	1	0.64	3.57
HVAC2	SMOCZ14	ROB	2_HV_PACIt6513	2	1	0	3.57
HVAC2	SMOCZ14	ROB	3_HV_PACIt6514	3	1	0	3.57
HVAC2	WRHCZ14	ROB	1_HV_PACIt65	1	1	0.17	2.28
HVAC2	WRHCZ14	ROB	2_HV_PACIt6513	2	1	0	2.28
HVAC2	WRHCZ14	ROB	3_HV_PACIt6514	3	1	0	2.28
HVAC1A	COLCZ14	ROB	1_HV_RecChBase	1	1	0	3.38
HVAC1A	COLCZ14	ROB	2_HV_RecChHEff	2	1	0.04	3.38
HVAC1A	GRCCZ14	ROB	1_HV_RecChBase	1	1	0.09	3.73
HVAC1A	GRCCZ14	ROB	2_HV_RecChHEff	2	1	0	3.73
HVAC1A	HLTCZ14	ROB	1_HV_RecChBase	1	1	0.07	3
HVAC1A	HLTCZ14	ROB	2_HV_RecChHEff	2	1	0.01	3
HVAC1A	LDGCZ14	ROB	1_HV_RecChBase	1	1	0	2.32
HVAC1A	LDGCZ14	ROB	2_HV_RecChHEff	2	1	0.04	2.32
HVAC1A	LGOZ14	ROB	1_HV_RecChBase	1	1	0.02	3.97
HVAC1A	LGOZ14	ROB	2_HV_RecChHEff	2	1	0.01	3.97
HVAC1A	MSCCZ14	ROB	1_HV_RecChBase	1	1	0	2.48
HVAC1A	MSCCZ14	ROB	2_HV_RecChHEff	2	1	0	2.48
HVAC1A	REFCZ14	ROB	1_HV_RecChBase	1	1	0	3.83
HVAC1A	REFCZ14	ROB	2_HV_RecChHEff	2	1	0	3.83
HVAC1A	RETCZ14	ROB	1_HV_RecChBase	1	1	0	2.38
HVAC1A	RETCZ14	ROB	2_HV_RecChHEff	2	1	0.01	2.38
HVAC1A	RSTCZ14	ROB	1_HV_RecChBase	1	1	0	3.87
HVAC1A	RSTCZ14	ROB	2_HV_RecChHEff	2	1	0	3.87
HVAC1A	SCHCZ14	ROB	1_HV_RecChBase	1	1	0.02	3.53

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC1A	SCHCZ14	ROB	2_HV_RecChHEff	2	1	0.02	3.53
HVAC1A	SMOCZ14	ROB	1_HV_RecChBase	1	1	0.01	3.57
HVAC1A	SMOCZ14	ROB	2_HV_RecChHEff	2	1	0	3.57
HVAC1A	WRHCZ14	ROB	1_HV_RecChBase	1	1	0	2.28
HVAC1A	WRHCZ14	ROB	2_HV_RecChHEff	2	1	0	2.28
HVAC19	COLCZ14	RET	2_HV_SpHtBITune	1	0.02	0	0.32
HVAC19	GRCCZ14	RET	2_HV_SpHtBITune	1	0.11	0	0.03
HVAC19	HLTCZ14	RET	2_HV_SpHtBITune	1	0.17	0	0.06
HVAC19	LDGCZ14	RET	2_HV_SpHtBITune	1	0.26	0	0.02
HVAC19	LGOCZ14	RET	2_HV_SpHtBITune	1	0.35	0	0.02
HVAC19	MSCCZ14	RET	2_HV_SpHtBITune	1	0.01	0	0.03
HVAC19	REFCZ14	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	RETCZ14	RET	2_HV_SpHtBITune	1	0	0	0.03
HVAC19	RSTCZ14	RET	2_HV_SpHtBITune	1	0	0	0
HVAC19	SCHCZ14	RET	2_HV_SpHtBITune	1	0.27	0	0.02
HVAC19	SMOCZ14	RET	2_HV_SpHtBITune	1	0.01	0	0.12
HVAC19	WRHCZ14	RET	2_HV_SpHtBITune	1	0	0	0
HVAC18	COLCZ14	ROB	1_HV_SpHtBIBase	1	1	0.73	76.83
HVAC18	COLCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	76.83
HVAC18	GRCCZ14	ROB	1_HV_SpHtBIBase	1	1	0.03	46.71
HVAC18	GRCCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	46.71
HVAC18	HLTCZ14	ROB	1_HV_SpHtBIBase	1	1	0.29	49.45
HVAC18	HLTCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	49.45
HVAC18	LDGCZ14	ROB	1_HV_SpHtBIBase	1	1	0.48	37.18
HVAC18	LDGCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	37.18
HVAC18	LGOCZ14	ROB	1_HV_SpHtBIBase	1	1	0.17	69.09
HVAC18	LGOCZ14	ROB	2_HV_SpHtBIHEff	2	1	0.13	69.09
HVAC18	MSCCZ14	ROB	1_HV_SpHtBIBase	1	1	0.01	44.99
HVAC18	MSCCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	44.99
HVAC18	REFCZ14	ROB	1_HV_SpHtBIBase	1	1	0	73.51
HVAC18	REFCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	73.51
HVAC18	RETCZ14	ROB	1_HV_SpHtBIBase	1	1	0	52.45
HVAC18	RETCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	52.45
HVAC18	RSTCZ14	ROB	1_HV_SpHtBIBase	1	1	0	67.85
HVAC18	RSTCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	67.85

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC18	SCHCZ14	ROB	1_HV_SpHtBIBase	1	1	0.19	69.83
HVAC18	SCHCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	69.83
HVAC18	SMOCZ14	ROB	1_HV_SpHtBIBase	1	1	0.01	63.43
HVAC18	SMOCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	63.43
HVAC18	WRHCZ14	ROB	1_HV_SpHtBIBase	1	1	0	22.47
HVAC18	WRHCZ14	ROB	2_HV_SpHtBIHEff	2	1	0	22.47
HVAC15	COLCZ14	RET	2_HV_DXTuneUp	2	0.44	0.11	3.38
HVAC15	GRCCZ14	RET	2_HV_DXTuneUp	2	0.7	0.18	3.73
HVAC15	HLTCZ14	RET	2_HV_DXTuneUp	2	0.77	0.19	3
HVAC15	LDGCZ14	RET	2_HV_DXTuneUp	2	0.49	0.12	2.32
HVAC15	LGOCZ14	RET	2_HV_DXTuneUp	2	0.8	0.2	3.97
HVAC15	MSCCZ14	RET	2_HV_DXTuneUp	2	0.08	0.02	2.27
HVAC15	REFCZ14	RET	2_HV_DXTuneUp	2	0.09	0.02	3.83
HVAC15	RETCZ14	RET	2_HV_DXTuneUp	2	0.86	0.21	2.38
HVAC15	RSTCZ14	RET	2_HV_DXTuneUp	2	0.9	0.23	3.87
HVAC15	SCHCZ14	RET	2_HV_DXTuneUp	2	0.71	0.18	3.53
HVAC15	SMOCZ14	RET	2_HV_DXTuneUp	2	0.83	0.21	3.57
HVAC15	WRHCZ14	RET	2_HV_DXTuneUp	2	0.2	0.05	2.28
HVAC14	COLCZ14	RET	2_HV_CHTuneUp	2	0.32	0.08	3.38
HVAC14	GRCCZ14	RET	2_HV_CHTuneUp	2	0.03	0.01	3.73
HVAC14	HLTCZ14	RET	2_HV_CHTuneUp	2	0.22	0.05	3
HVAC14	LDGCZ14	RET	2_HV_CHTuneUp	2	0.47	0.12	2.32
HVAC14	LGOCZ14	RET	2_HV_CHTuneUp	2	0.15	0.04	3.97
HVAC14	MSCCZ14	RET	2_HV_CHTuneUp	2	0	0	2.27
HVAC14	REFCZ14	RET	2_HV_CHTuneUp	2	0	0	3.83
HVAC14	RETCZ14	RET	2_HV_CHTuneUp	2	0.03	0.01	2.38
HVAC14	RSTCZ14	RET	2_HV_CHTuneUp	2	0	0	3.87
HVAC14	SCHCZ14	RET	2_HV_CHTuneUp	2	0.16	0.04	3.53
HVAC14	SMOCZ14	RET	2_HV_CHTuneUp	2	0.01	0	3.57
HVAC14	WRHCZ14	RET	2_HV_CHTuneUp	2	0	0	2.28
HVAC13	COLCZ14	ROB	1_HV_PTUge24	1	1	0	3.38
HVAC13	COLCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.38
HVAC13	GRCCZ14	ROB	1_HV_PTUge24	1	1	0	3.73
HVAC13	GRCCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.73
HVAC13	HLTCZ14	ROB	1_HV_PTUge24	1	1	0	3

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC13	HLTCZ14	ROB	2_HV_PTUge24HE	2	1	0	3
HVAC13	LDGCZ14	ROB	1_HV_PTUge24	1	1	0	2.32
HVAC13	LDGCZ14	ROB	2_HV_PTUge24HE	2	1	0	2.32
HVAC13	LGOCZ14	ROB	1_HV_PTUge24	1	1	0	3.97
HVAC13	LGOCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.97
HVAC13	MSCCZ14	ROB	1_HV_PTUge24	1	1	0	2.48
HVAC13	MSCCZ14	ROB	2_HV_PTUge24HE	2	1	0	2.48
HVAC13	REFCZ14	ROB	1_HV_PTUge24	1	1	0	3.83
HVAC13	REFCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.83
HVAC13	RETCZ14	ROB	1_HV_PTUge24	1	1	0	2.38
HVAC13	RETCZ14	ROB	2_HV_PTUge24HE	2	1	0	2.38
HVAC13	RSTCZ14	ROB	1_HV_PTUge24	1	1	0	3.87
HVAC13	RSTCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.87
HVAC13	SCHCZ14	ROB	1_HV_PTUge24	1	1	0.04	3.53
HVAC13	SCHCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.53
HVAC13	SMOCZ14	ROB	1_HV_PTUge24	1	1	0	3.57
HVAC13	SMOCZ14	ROB	2_HV_PTUge24HE	2	1	0	3.57
HVAC13	WRHCZ14	ROB	1_HV_PTUge24	1	1	0	2.28
HVAC13	WRHCZ14	ROB	2_HV_PTUge24HE	2	1	0	2.28
HVAC10	COLCZ14	ROB	1_HV_PTUlt24	1	1	0	3.38
HVAC10	COLCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.38
HVAC10	GRCCZ14	ROB	1_HV_PTUlt24	1	1	0	3.73
HVAC10	GRCCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.73
HVAC10	HLTCZ14	ROB	1_HV_PTUlt24	1	1	0.01	3
HVAC10	HLTCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3
HVAC10	LDGCZ14	ROB	1_HV_PTUlt24	1	1	0.22	2.32
HVAC10	LDGCZ14	ROB	2_HV_PTUlt24HE	2	1	0	2.32
HVAC10	LGOCZ14	ROB	1_HV_PTUlt24	1	1	0	3.97
HVAC10	LGOCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.97
HVAC10	MSCCZ14	ROB	1_HV_PTUlt24	1	1	0	2.48
HVAC10	MSCCZ14	ROB	2_HV_PTUlt24HE	2	1	0	2.48
HVAC10	REFCZ14	ROB	1_HV_PTUlt24	1	1	0	3.83
HVAC10	REFCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.83
HVAC10	RETCZ14	ROB	1_HV_PTUlt24	1	1	0	2.38
HVAC10	RETCZ14	ROB	2_HV_PTUlt24HE	2	1	0	2.38

SDG&E Commercial HVAC  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HVAC10	RSTCZ14	ROB	1_HV_PTUlt24	1	1	0	3.87
HVAC10	RSTCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.87
HVAC10	SCHCZ14	ROB	1_HV_PTUlt24	1	1	0	3.53
HVAC10	SCHCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.53
HVAC10	SMOCZ14	ROB	1_HV_PTUlt24	1	1	0	3.57
HVAC10	SMOCZ14	ROB	2_HV_PTUlt24HE	2	1	0	3.57
HVAC10	WRHCZ14	ROB	1_HV_PTUlt24	1	1	0	2.28
HVAC10	WRHCZ14	ROB	2_HV_PTUlt24HE	2	1	0	2.28
HVAC1	COLCZ14	ROB	1_HV_CentChBase	1	1	0.24	3.38
HVAC1	COLCZ14	ROB	2_HV_CentChHEff	2	1	0	3.38
HVAC1	GRCCZ14	ROB	1_HV_CentChBase	1	1	0	3.73
HVAC1	GRCCZ14	ROB	2_HV_CentChHEff	2	1	0	3.73
HVAC1	HLTCZ14	ROB	1_HV_CentChBase	1	1	0.18	3
HVAC1	HLTCZ14	ROB	2_HV_CentChHEff	2	1	0	3
HVAC1	LDGCZ14	ROB	1_HV_CentChBase	1	1	0.34	2.32
HVAC1	LDGCZ14	ROB	2_HV_CentChHEff	2	1	0	2.32
HVAC1	LGOCZ14	ROB	1_HV_CentChBase	1	1	0.09	3.97
HVAC1	LGOCZ14	ROB	2_HV_CentChHEff	2	1	0	3.97
HVAC1	MSCCZ14	ROB	1_HV_CentChBase	1	1	0	2.48
HVAC1	MSCCZ14	ROB	2_HV_CentChHEff	2	1	0	2.48
HVAC1	REFCZ14	ROB	1_HV_CentChBase	1	1	0	3.83
HVAC1	REFCZ14	ROB	2_HV_CentChHEff	2	1	0	3.83
HVAC1	RETCZ14	ROB	1_HV_CentChBase	1	1	0.03	2.38
HVAC1	RETCZ14	ROB	2_HV_CentChHEff	2	1	0	2.38
HVAC1	RSTCZ14	ROB	1_HV_CentChBase	1	1	0	3.87
HVAC1	RSTCZ14	ROB	2_HV_CentChHEff	2	1	0	3.87
HVAC1	SCHCZ14	ROB	1_HV_CentChBase	1	1	0.12	3.53
HVAC1	SCHCZ14	ROB	2_HV_CentChHEff	2	1	0	3.53
HVAC1	SMOCZ14	ROB	1_HV_CentChBase	1	1	0	3.57
HVAC1	SMOCZ14	ROB	2_HV_CentChHEff	2	1	0	3.57
HVAC1	WRHCZ14	ROB	1_HV_CentChBase	1	1	0	2.28
HVAC1	WRHCZ14	ROB	2_HV_CentChHEff	2	1	0	2.28



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ01	RET	2_LT_RFLCSpec8	1	0	0	6.71
RFLC2	GRCCZ01	RET	2_LT_RFLCSpec8	1	0.07	0	5.82
RFLC2	HLTCZ01	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LDGCZ01	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ01	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ01	RET	2_LT_RFLCSpec8	1	0.02	0	2.61
RFLC2	REFCZ01	RET	2_LT_RFLCSpec8	1	0	0	0.28
RFLC2	RETCZ01	RET	2_LT_RFLCSpec8	1	0.01	0	4.31
RFLC2	RSTCZ01	RET	2_LT_RFLCSpec8	1	0.01	0	3.77
RFLC2	SCHCZ01	RET	2_LT_RFLCSpec8	1	0.01	0	3.69
RFLC2	SMOCZ01	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	WRHCZ01	RET	2_LT_RFLCSpec8	1	0.01	0	1.84
RFLC1	COLCZ01	RET	2_LT_RFLCSpec4	1	0.39	0.01	5.75
RFLC1	GRCCZ01	RET	2_LT_RFLCSpec4	1	0.36	0	3.9
RFLC1	HLTCZ01	RET	2_LT_RFLCSpec4	1	0.41	0	6.21
RFLC1	LDGCZ01	RET	2_LT_RFLCSpec4	1	0.04	0	3.35
RFLC1	LGOCZ01	RET	2_LT_RFLCSpec4	1	0.62	0.04	8.24
RFLC1	MSCCZ01	RET	2_LT_RFLCSpec4	1	0.17	0	6.06
RFLC1	REFCZ01	RET	2_LT_RFLCSpec4	1	0.11	0	3.9
RFLC1	RETCZ01	RET	2_LT_RFLCSpec4	1	0.41	0.01	6.77
RFLC1	RSTCZ01	RET	2_LT_RFLCSpec4	1	0.24	0	8.85
RFLC1	SCHCZ01	RET	2_LT_RFLCSpec4	1	0.48	0	8.18
RFLC1	SMOCZ01	RET	2_LT_RFLCSpec4	1	0.44	0	7.13
RFLC1	WRHCZ01	RET	2_LT_RFLCSpec4	1	0.16	0	5.04
PC1	COLCZ01	CON	1_LT_PCNoCtrl	1	1	0.09	0.29
PC1	COLCZ01	CON	2_LT_PCPC	2	1	0.54	0.29
PC1	COLCZ01	CON	3_LT_PCTC	3	1	0.06	0.29
PC1	COLCZ01	CON	4_LT_PCPT	4	1	0.15	0.29
PC1	GRCCZ01	CON	1_LT_PCNoCtrl	1	1	0	1.31
PC1	GRCCZ01	CON	2_LT_PCPC	2	1	0.56	1.31
PC1	GRCCZ01	CON	3_LT_PCTC	3	1	0.19	1.31
PC1	GRCCZ01	CON	4_LT_PCPT	4	1	0.08	1.31
PC1	HLTCZ01	CON	1_LT_PCNoCtrl	1	1	0.01	0.35
PC1	HLTCZ01	CON	2_LT_PCPC	2	1	0.51	0.35
PC1	HLTCZ01	CON	3_LT_PCTC	3	1	0.28	0.35

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ01	CON	4_LT_PCPT	4	1	0.06	0.35
PC1	LDGCZ01	CON	1_LT_PCNoCtrl	1	1	0.09	0.47
PC1	LDGCZ01	CON	2_LT_PCPC	2	1	0.58	0.47
PC1	LDGCZ01	CON	3_LT_PCTC	3	1	0.02	0.47
PC1	LDGCZ01	CON	4_LT_PCPT	4	1	0.15	0.47
PC1	LGOCZ01	CON	1_LT_PCNoCtrl	1	1	0	0.23
PC1	LGOCZ01	CON	2_LT_PCPC	2	1	0.45	0.23
PC1	LGOCZ01	CON	3_LT_PCTC	3	1	0.25	0.23
PC1	LGOCZ01	CON	4_LT_PCPT	4	1	0.14	0.23
PC1	MSCCZ01	CON	1_LT_PCNoCtrl	1	1	0.01	0.77
PC1	MSCCZ01	CON	2_LT_PCPC	2	1	0.44	0.77
PC1	MSCCZ01	CON	3_LT_PCTC	3	1	0.33	0.77
PC1	MSCCZ01	CON	4_LT_PCPT	4	1	0.1	0.77
PC1	REFCZ01	CON	1_LT_PCNoCtrl	1	1	0	0.18
PC1	REFCZ01	CON	2_LT_PCPC	2	1	0.66	0.18
PC1	REFCZ01	CON	3_LT_PCTC	3	1	0.19	0.18
PC1	REFCZ01	CON	4_LT_PCPT	4	1	0.11	0.18
PC1	RETCZ01	CON	1_LT_PCNoCtrl	1	1	0	0.57
PC1	RETCZ01	CON	2_LT_PCPC	2	1	0.32	0.57
PC1	RETCZ01	CON	3_LT_PCTC	3	1	0.21	0.57
PC1	RETCZ01	CON	4_LT_PCPT	4	1	0.2	0.57
PC1	RSTCZ01	CON	1_LT_PCNoCtrl	1	1	0	1.04
PC1	RSTCZ01	CON	2_LT_PCPC	2	1	0.3	1.04
PC1	RSTCZ01	CON	3_LT_PCTC	3	1	0.24	1.04
PC1	RSTCZ01	CON	4_LT_PCPT	4	1	0.15	1.04
PC1	SCHCZ01	CON	1_LT_PCNoCtrl	1	1	0	0.32
PC1	SCHCZ01	CON	2_LT_PCPC	2	1	0.28	0.32
PC1	SCHCZ01	CON	3_LT_PCTC	3	1	0.48	0.32
PC1	SCHCZ01	CON	4_LT_PCPT	4	1	0.16	0.32
PC1	SMOCZ01	CON	1_LT_PCNoCtrl	1	1	0.07	0.97
PC1	SMOCZ01	CON	2_LT_PCPC	2	1	0.35	0.97
PC1	SMOCZ01	CON	3_LT_PCTC	3	1	0.14	0.97
PC1	SMOCZ01	CON	4_LT_PCPT	4	1	0.08	0.97
PC1	WRHCZ01	CON	1_LT_PCNoCtrl	1	1	0	0.3
PC1	WRHCZ01	CON	2_LT_PCPC	2	1	0.61	0.3

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ01	CON	3_LT_PCTC	3	1	0.19	0.3
PC1	WRHCZ01	CON	4_LT_PCPT	4	1	0.1	0.3
OCC2	COLCZ01	RET	2_LT_OCCPCDInst	1	0.64	0	3.09
OCC2	GRCCZ01	RET	2_LT_OCCPCDInst	1	0.58	0	0.46
OCC2	HLTCZ01	RET	2_LT_OCCPCDInst	1	0.54	0	2.52
OCC2	LDGCZ01	RET	2_LT_OCCPCDInst	1	0.13	0	0.96
OCC2	LGOCZ01	RET	2_LT_OCCPCDInst	1	0.9	0	3.84
OCC2	MSCCZ01	RET	2_LT_OCCPCDInst	1	0.31	0	1.86
OCC2	REFCZ01	RET	2_LT_OCCPCDInst	1	0.28	0	0.92
OCC2	RETCZ01	RET	2_LT_OCCPCDInst	1	0.68	0	0.73
OCC2	RSTCZ01	RET	2_LT_OCCPCDInst	1	0.22	0	1.09
OCC2	SCHCZ01	RET	2_LT_OCCPCDInst	1	0.73	0	3.22
OCC2	SMOCZ01	RET	2_LT_OCCPCDInst	1	0.87	0	3.41
OCC2	WRHCZ01	RET	2_LT_OCCPCDInst	1	0.5	0	0.98
OCC1	COLCZ01	RET	2_LT_OCCMS	1	0.55	0.03	2.06
OCC1	GRCCZ01	RET	2_LT_OCCMS	1	0.1	0	1.68
OCC1	HLTCZ01	RET	2_LT_OCCMS	1	0.13	0	1.83
OCC1	LDGCZ01	RET	2_LT_OCCMS	1	0.04	0	1.21
OCC1	LGOCZ01	RET	2_LT_OCCMS	1	0.66	0.13	2.16
OCC1	MSCCZ01	RET	2_LT_OCCMS	1	0.21	0	1.51
OCC1	REFCZ01	RET	2_LT_OCCMS	1	0.33	0	0.75
OCC1	RETCZ01	RET	2_LT_OCCMS	1	0.17	0.01	1.6
OCC1	RSTCZ01	RET	2_LT_OCCMS	1	0.07	0	1.18
OCC1	SCHCZ01	RET	2_LT_OCCMS	1	0.67	0.02	2.56
OCC1	SMOCZ01	RET	2_LT_OCCMS	1	0.58	0	1.83
OCC1	WRHCZ01	RET	2_LT_OCCMS	1	0.64	0.03	1.08
INCAN6	COLCZ01	CON	1_LT_IRIP60	1	1	0.99	0.47
INCAN6	COLCZ01	CON	2_LT_CRCP14s	2	1	0.01	0.47
INCAN6	GRCCZ01	CON	1_LT_IRIP60	1	1	1	0.59
INCAN6	GRCCZ01	CON	2_LT_CRCP14s	2	1	0	0.59
INCAN6	HLTCZ01	CON	1_LT_IRIP60	1	1	0.95	0.79
INCAN6	HLTCZ01	CON	2_LT_CRCP14s	2	1	0.05	0.79
INCAN6	LDGCZ01	CON	1_LT_IRIP60	1	1	0.59	0.41
INCAN6	LDGCZ01	CON	2_LT_CRCP14s	2	1	0.41	0.41
INCAN6	LGOCZ01	CON	1_LT_IRIP60	1	1	0.91	0.22

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ01	CON	2_LT_CRCP14s	2	1	0.09	0.22
INCAN6	MSCCZ01	CON	1_LT_IRIP60	1	1	0.95	0.15
INCAN6	MSCCZ01	CON	2_LT_CRCP14s	2	1	0.05	0.15
INCAN6	REFCZ01	CON	1_LT_IRIP60	1	1	0.98	0.02
INCAN6	REFCZ01	CON	2_LT_CRCP14s	2	1	0.02	0.02
INCAN6	RETCZ01	CON	1_LT_IRIP60	1	1	0.97	1.6
INCAN6	RETCZ01	CON	2_LT_CRCP14s	2	1	0.03	1.6
INCAN6	RSTCZ01	CON	1_LT_IRIP60	1	1	0.92	1.52
INCAN6	RSTCZ01	CON	2_LT_CRCP14s	2	1	0.08	1.52
INCAN6	SCHCZ01	CON	1_LT_IRIP60	1	1	0.85	0.1
INCAN6	SCHCZ01	CON	2_LT_CRCP14s	2	1	0.15	0.1
INCAN6	SMOCZ01	CON	1_LT_IRIP60	1	1	1	1.5
INCAN6	SMOCZ01	CON	2_LT_CRCP14s	2	1	0	1.5
INCAN6	WRHCZ01	CON	1_LT_IRIP60	1	1	0.95	0.04
INCAN6	WRHCZ01	CON	2_LT_CRCP14s	2	1	0.05	0.04
INCAN5	COLCZ01	CON	1_LT_INC120	1	1	0.05	0.23
INCAN5	COLCZ01	CON	2_LT_CFL38s	2	1	0	0.23
INCAN5	COLCZ01	CON	3_LT_CFL38p	3	1	0.95	0.23
INCAN5	GRCCZ01	CON	1_LT_INC120	1	1	0.36	0.07
INCAN5	GRCCZ01	CON	2_LT_CFL38s	2	1	0.02	0.07
INCAN5	GRCCZ01	CON	3_LT_CFL38p	3	1	0.62	0.07
INCAN5	HLTCZ01	CON	1_LT_INC120	1	1	0.52	0.34
INCAN5	HLTCZ01	CON	2_LT_CFL38s	2	1	0.17	0.34
INCAN5	HLTCZ01	CON	3_LT_CFL38p	3	1	0.31	0.34
INCAN5	LDGCZ01	CON	1_LT_INC120	1	1	0.35	3.04
INCAN5	LDGCZ01	CON	2_LT_CFL38s	2	1	0.49	3.04
INCAN5	LDGCZ01	CON	3_LT_CFL38p	3	1	0.16	3.04
INCAN5	LGOCZ01	CON	1_LT_INC120	1	1	0.45	0.06
INCAN5	LGOCZ01	CON	2_LT_CFL38s	2	1	0.15	0.06
INCAN5	LGOCZ01	CON	3_LT_CFL38p	3	1	0.4	0.06
INCAN5	MSCCZ01	CON	1_LT_INC120	1	1	0.48	0.24
INCAN5	MSCCZ01	CON	2_LT_CFL38s	2	1	0.5	0.24
INCAN5	MSCCZ01	CON	3_LT_CFL38p	3	1	0.02	0.24
INCAN5	REFCZ01	CON	1_LT_INC120	1	1	1	0.07
INCAN5	REFCZ01	CON	2_LT_CFL38s	2	1	0	0.07

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ01	CON	3_LT_CFL38p	3	1	0	0.07
INCAN5	RETCZ01	CON	1_LT_INC120	1	1	0.38	0.19
INCAN5	RETCZ01	CON	2_LT_CFL38s	2	1	0.61	0.19
INCAN5	RETCZ01	CON	3_LT_CFL38p	3	1	0.02	0.19
INCAN5	RSTCZ01	CON	1_LT_INC120	1	1	1	0.57
INCAN5	RSTCZ01	CON	2_LT_CFL38s	2	1	0	0.57
INCAN5	RSTCZ01	CON	3_LT_CFL38p	3	1	0	0.57
INCAN5	SCHCZ01	CON	1_LT_INC120	1	1	0.29	0.29
INCAN5	SCHCZ01	CON	2_LT_CFL38s	2	1	0.03	0.29
INCAN5	SCHCZ01	CON	3_LT_CFL38p	3	1	0.68	0.29
INCAN5	SMOCZ01	CON	1_LT_INC120	1	1	1	0.29
INCAN5	SMOCZ01	CON	2_LT_CFL38s	2	1	0	0.29
INCAN5	SMOCZ01	CON	3_LT_CFL38p	3	1	0	0.29
INCAN5	WRHCZ01	CON	1_LT_INC120	1	1	1	0
INCAN5	WRHCZ01	CON	2_LT_CFL38s	2	1	0	0
INCAN5	WRHCZ01	CON	3_LT_CFL38p	3	1	0	0
INCAN3	COLCZ01	CON	1_LT_INC75	1	1	0.27	0.33
INCAN3	COLCZ01	CON	2_LT_CFL20s	2	1	0.55	0.33
INCAN3	COLCZ01	CON	3_LT_CFL20p	3	1	0.19	0.33
INCAN3	GRCCZ01	CON	1_LT_INC75	1	1	0.35	0.09
INCAN3	GRCCZ01	CON	2_LT_CFL20s	2	1	0.65	0.09
INCAN3	GRCCZ01	CON	3_LT_CFL20p	3	1	0	0.09
INCAN3	HLTCZ01	CON	1_LT_INC75	1	1	0.5	1.97
INCAN3	HLTCZ01	CON	2_LT_CFL20s	2	1	0.21	1.97
INCAN3	HLTCZ01	CON	3_LT_CFL20p	3	1	0.29	1.97
INCAN3	LDGCZ01	CON	1_LT_INC75	1	1	0.08	3.94
INCAN3	LDGCZ01	CON	2_LT_CFL20s	2	1	0.67	3.94
INCAN3	LDGCZ01	CON	3_LT_CFL20p	3	1	0.25	3.94
INCAN3	LGOCZ01	CON	1_LT_INC75	1	1	0.02	1.4
INCAN3	LGOCZ01	CON	2_LT_CFL20s	2	1	0.47	1.4
INCAN3	LGOCZ01	CON	3_LT_CFL20p	3	1	0.51	1.4
INCAN3	MSCCZ01	CON	1_LT_INC75	1	1	0.32	0.6
INCAN3	MSCCZ01	CON	2_LT_CFL20s	2	1	0.37	0.6
INCAN3	MSCCZ01	CON	3_LT_CFL20p	3	1	0.31	0.6
INCAN3	REFCZ01	CON	1_LT_INC75	1	1	0.83	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ01	CON	2_LT_CFL20s	2	1	0.17	0.03
INCAN3	REFCZ01	CON	3_LT_CFL20p	3	1	0	0.03
INCAN3	RETCZ01	CON	1_LT_INC75	1	1	0.2	0.37
INCAN3	RETCZ01	CON	2_LT_CFL20s	2	1	0.61	0.37
INCAN3	RETCZ01	CON	3_LT_CFL20p	3	1	0.19	0.37
INCAN3	RSTCZ01	CON	1_LT_INC75	1	1	0.49	2.85
INCAN3	RSTCZ01	CON	2_LT_CFL20s	2	1	0.41	2.85
INCAN3	RSTCZ01	CON	3_LT_CFL20p	3	1	0.11	2.85
INCAN3	SCHCZ01	CON	1_LT_INC75	1	1	0.64	0.09
INCAN3	SCHCZ01	CON	2_LT_CFL20s	2	1	0	0.09
INCAN3	SCHCZ01	CON	3_LT_CFL20p	3	1	0.36	0.09
INCAN3	SMOCZ01	CON	1_LT_INC75	1	1	0.04	0.8
INCAN3	SMOCZ01	CON	2_LT_CFL20s	2	1	0.25	0.8
INCAN3	SMOCZ01	CON	3_LT_CFL20p	3	1	0.71	0.8
INCAN3	WRHCZ01	CON	1_LT_INC75	1	1	0.12	0.06
INCAN3	WRHCZ01	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ01	CON	3_LT_CFL20p	3	1	0.7	0.06
INCAN2	COLCZ01	CON	1_LT_INC60	1	1	0.75	0.37
INCAN2	COLCZ01	CON	2_LT_CFL15s	2	1	0.16	0.37
INCAN2	COLCZ01	CON	3_LT_CFL15p	3	1	0.09	0.37
INCAN2	GRCCZ01	CON	1_LT_INC60	1	1	0.62	0.14
INCAN2	GRCCZ01	CON	2_LT_CFL15s	2	1	0.17	0.14
INCAN2	GRCCZ01	CON	3_LT_CFL15p	3	1	0.21	0.14
INCAN2	HLTCZ01	CON	1_LT_INC60	1	1	0.6	1.48
INCAN2	HLTCZ01	CON	2_LT_CFL15s	2	1	0.26	1.48
INCAN2	HLTCZ01	CON	3_LT_CFL15p	3	1	0.14	1.48
INCAN2	LDGCZ01	CON	1_LT_INC60	1	1	0.44	4.74
INCAN2	LDGCZ01	CON	2_LT_CFL15s	2	1	0.32	4.74
INCAN2	LDGCZ01	CON	3_LT_CFL15p	3	1	0.24	4.74
INCAN2	LGOCZ01	CON	1_LT_INC60	1	1	0.22	0.72
INCAN2	LGOCZ01	CON	2_LT_CFL15s	2	1	0.25	0.72
INCAN2	LGOCZ01	CON	3_LT_CFL15p	3	1	0.53	0.72
INCAN2	MSCCZ01	CON	1_LT_INC60	1	1	0.95	1.93
INCAN2	MSCCZ01	CON	2_LT_CFL15s	2	1	0.03	1.93
INCAN2	MSCCZ01	CON	3_LT_CFL15p	3	1	0.02	1.93

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ01	CON	1_LT_INC60	1	1	0.88	0.03
INCAN2	REFCZ01	CON	2_LT_CFL15s	2	1	0.12	0.03
INCAN2	REFCZ01	CON	3_LT_CFL15p	3	1	0	0.03
INCAN2	RETCZ01	CON	1_LT_INC60	1	1	0.12	0.96
INCAN2	RETCZ01	CON	2_LT_CFL15s	2	1	0.41	0.96
INCAN2	RETCZ01	CON	3_LT_CFL15p	3	1	0.47	0.96
INCAN2	RSTCZ01	CON	1_LT_INC60	1	1	0.56	2.69
INCAN2	RSTCZ01	CON	2_LT_CFL15s	2	1	0.4	2.69
INCAN2	RSTCZ01	CON	3_LT_CFL15p	3	1	0.04	2.69
INCAN2	SCHCZ01	CON	1_LT_INC60	1	1	0.53	0.4
INCAN2	SCHCZ01	CON	2_LT_CFL15s	2	1	0.35	0.4
INCAN2	SCHCZ01	CON	3_LT_CFL15p	3	1	0.12	0.4
INCAN2	SMOCZ01	CON	1_LT_INC60	1	1	0.92	0.51
INCAN2	SMOCZ01	CON	2_LT_CFL15s	2	1	0.01	0.51
INCAN2	SMOCZ01	CON	3_LT_CFL15p	3	1	0.07	0.51
INCAN2	WRHCZ01	CON	1_LT_INC60	1	1	0.82	0.09
INCAN2	WRHCZ01	CON	2_LT_CFL15s	2	1	0.18	0.09
INCAN2	WRHCZ01	CON	3_LT_CFL15p	3	1	0	0.09
INCAN1	COLCZ01	CON	1_LT_INC40	1	1	0.98	0.1
INCAN1	COLCZ01	CON	2_LT_CFL10_5s	2	1	0	0.1
INCAN1	COLCZ01	CON	3_LT_CFL10_5p	3	1	0.02	0.1
INCAN1	GRCCZ01	CON	1_LT_INC40	1	1	0.7	0.01
INCAN1	GRCCZ01	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	GRCCZ01	CON	3_LT_CFL10_5p	3	1	0.3	0.01
INCAN1	HLTCZ01	CON	1_LT_INC40	1	1	0.9	0.53
INCAN1	HLTCZ01	CON	2_LT_CFL10_5s	2	1	0.02	0.53
INCAN1	HLTCZ01	CON	3_LT_CFL10_5p	3	1	0.08	0.53
INCAN1	LDGCZ01	CON	1_LT_INC40	1	1	0.71	1.54
INCAN1	LDGCZ01	CON	2_LT_CFL10_5s	2	1	0.12	1.54
INCAN1	LDGCZ01	CON	3_LT_CFL10_5p	3	1	0.17	1.54
INCAN1	LGOCZ01	CON	1_LT_INC40	1	1	0.22	0.27
INCAN1	LGOCZ01	CON	2_LT_CFL10_5s	2	1	0.31	0.27
INCAN1	LGOCZ01	CON	3_LT_CFL10_5p	3	1	0.47	0.27
INCAN1	MSCCZ01	CON	1_LT_INC40	1	1	0.97	0.1
INCAN1	MSCCZ01	CON	2_LT_CFL10_5s	2	1	0.03	0.1

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ01	CON	3_LT_CFL10_5p	3	1	0	0.1
INCAN1	REFCZ01	CON	1_LT_INC40	1	1	1	0.01
INCAN1	REFCZ01	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	REFCZ01	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	RETCZ01	CON	1_LT_INC40	1	1	1	0.04
INCAN1	RETCZ01	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	RETCZ01	CON	3_LT_CFL10_5p	3	1	0	0.04
INCAN1	RSTCZ01	CON	1_LT_INC40	1	1	0.98	0.93
INCAN1	RSTCZ01	CON	2_LT_CFL10_5s	2	1	0	0.93
INCAN1	RSTCZ01	CON	3_LT_CFL10_5p	3	1	0.02	0.93
INCAN1	SCHCZ01	CON	1_LT_INC40	1	1	0.3	0.08
INCAN1	SCHCZ01	CON	2_LT_CFL10_5s	2	1	0	0.08
INCAN1	SCHCZ01	CON	3_LT_CFL10_5p	3	1	0.7	0.08
INCAN1	SMOCZ01	CON	1_LT_INC40	1	1	0.99	0.9
INCAN1	SMOCZ01	CON	2_LT_CFL10_5s	2	1	0.01	0.9
INCAN1	SMOCZ01	CON	3_LT_CFL10_5p	3	1	0	0.9
INCAN1	WRHCZ01	CON	1_LT_INC40	1	1	0.91	0.04
INCAN1	WRHCZ01	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	WRHCZ01	CON	3_LT_CFL10_5p	3	1	0.09	0.04
HID6	COLCZ01	CON	1_LT_MH400	1	1	0	4
HID6	COLCZ01	CON	2_LT_PS320	2	1	0	4
HID6	COLCZ01	CON	3_LT_HIDT5HO	3	1	0	4
HID6	GRCCZ01	CON	1_LT_MH400	1	1	0	2.76
HID6	GRCCZ01	CON	2_LT_PS320	2	1	0.01	2.76
HID6	GRCCZ01	CON	3_LT_HIDT5HO	3	1	0	2.76
HID6	HLTCZ01	CON	1_LT_MH400	1	1	0	0
HID6	HLTCZ01	CON	2_LT_PS320	2	1	0	0
HID6	HLTCZ01	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LDGCZ01	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ01	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ01	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ01	CON	1_LT_MH400	1	1	0	0.54
HID6	LGOCZ01	CON	2_LT_PS320	2	1	0	0.54
HID6	LGOCZ01	CON	3_LT_HIDT5HO	3	1	0	0.54
HID6	MSCCZ01	CON	1_LT_MH400	1	1	0.04	1.58



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ01	CON	2_LT_PS320	2	1	0	1.58
HID6	MSCCZ01	CON	3_LT_HIDT5HO	3	1	0	1.58
HID6	REFCZ01	CON	1_LT_MH400	1	1	0.09	5.96
HID6	REFCZ01	CON	2_LT_PS320	2	1	0	5.96
HID6	REFCZ01	CON	3_LT_HIDT5HO	3	1	0	5.96
HID6	RETCZ01	CON	1_LT_MH400	1	1	0.05	2.86
HID6	RETCZ01	CON	2_LT_PS320	2	1	0.03	2.86
HID6	RETCZ01	CON	3_LT_HIDT5HO	3	1	0	2.86
HID6	RSTCZ01	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ01	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ01	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ01	CON	1_LT_MH400	1	1	0.02	3.64
HID6	SCHCZ01	CON	2_LT_PS320	2	1	0	3.64
HID6	SCHCZ01	CON	3_LT_HIDT5HO	3	1	0	3.64
HID6	SMOCZ01	CON	1_LT_MH400	1	1	0.1	0.7
HID6	SMOCZ01	CON	2_LT_PS320	2	1	0	0.7
HID6	SMOCZ01	CON	3_LT_HIDT5HO	3	1	0	0.7
HID6	WRHCZ01	CON	1_LT_MH400	1	1	0.27	1.42
HID6	WRHCZ01	CON	2_LT_PS320	2	1	0.03	1.42
HID6	WRHCZ01	CON	3_LT_HIDT5HO	3	1	0	1.42
HID4MV	COLCZ01	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ01	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ01	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ01	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ01	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ01	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ01	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ01	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ01	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ01	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ01	CON	1_LT_MV400	1	1	0	7.27
HID4MV	MSCCZ01	CON	2_LT_MH250mv	2	1	0	7.27
HID4MV	REFCZ01	CON	1_LT_MV400	1	1	0.02	5.71
HID4MV	REFCZ01	CON	2_LT_MH250mv	2	1	0.07	5.71
HID4MV	RETCZ01	CON	1_LT_MV400	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ01	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ01	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ01	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ01	CON	1_LT_MV400	1	1	0	0
HID4MV	SCHCZ01	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SMOCZ01	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ01	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ01	CON	1_LT_MV400	1	1	0.01	4.46
HID4MV	WRHCZ01	CON	2_LT_MH250mv	2	1	0.01	4.46
HID4I	COLCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ01	CON	2_LT_MH250i	2	1	0.02	0.45
HID4I	GRCCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ01	CON	2_LT_MH250i	2	1	0.04	0.41
HID4I	HLTCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ01	CON	2_LT_MH250i	2	1	0	0.19
HID4I	LDGCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ01	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ01	CON	2_LT_MH250i	2	1	0	0.97
HID4I	MSCCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ01	CON	2_LT_MH250i	2	1	0.02	0.83
HID4I	REFCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ01	CON	2_LT_MH250i	2	1	0.04	3.95
HID4I	RETCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ01	CON	2_LT_MH250i	2	1	0.04	0.15
HID4I	RSTCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ01	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ01	CON	2_LT_MH250i	2	1	0.01	0.81
HID4I	SMOCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ01	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ01	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ01	CON	2_LT_MH250i	2	1	0.09	0.34
HID3MV	COLCZ01	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ01	CON	2_LT_MH175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ01	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ01	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ01	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ01	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ01	CON	1_LT_MV250	1	1	0	0
HID3MV	LDGCZ01	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LGOCZ01	CON	1_LT_MV250	1	1	0	7.22
HID3MV	LGOCZ01	CON	2_LT_MH175mv	2	1	0	7.22
HID3MV	MSCCZ01	CON	1_LT_MV250	1	1	0	48.77
HID3MV	MSCCZ01	CON	2_LT_MH175mv	2	1	0	48.77
HID3MV	REFCZ01	CON	1_LT_MV250	1	1	0	0
HID3MV	REFCZ01	CON	2_LT_MH175mv	2	1	0	0
HID3MV	RETCZ01	CON	1_LT_MV250	1	1	0.01	1.72
HID3MV	RETCZ01	CON	2_LT_MH175mv	2	1	0	1.72
HID3MV	RSTCZ01	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ01	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ01	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ01	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ01	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ01	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ01	CON	1_LT_MV250	1	1	0	0
HID3MV	WRHCZ01	CON	2_LT_MH175mv	2	1	0	0
HID3I	COLCZ01	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ01	CON	2_LT_MH175i	2	1	0	0
HID3I	GRCCZ01	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ01	CON	2_LT_MH175i	2	1	0.04	1.08
HID3I	HLTCZ01	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ01	CON	2_LT_MH175i	2	1	0	35.66
HID3I	LDGCZ01	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ01	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ01	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ01	CON	2_LT_MH175i	2	1	0	0
HID3I	MSCCZ01	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ01	CON	2_LT_MH175i	2	1	0.03	0.66
HID3I	REFCZ01	CON	1_LT_INC500i	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ01	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ01	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ01	CON	2_LT_MH175i	2	1	0	0.15
HID3I	RSTCZ01	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ01	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ01	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ01	CON	2_LT_MH175i	2	1	0	3.2
HID3I	SMOCZ01	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ01	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ01	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ01	CON	2_LT_MH175i	2	1	0	4.43
HID2MV	COLCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ01	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	GRCCZ01	CON	2_LT_MH100mv	2	1	0	0
HID2MV	HLTCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ01	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ01	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ01	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ01	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ01	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ01	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ01	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ01	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ01	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ01	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ01	CON	2_LT_MH100mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ01	CON	1_LT_INC300	1	1	0.01	10.1
HID2I	COLCZ01	CON	2_LT_MH100i	2	1	0	10.1
HID2I	GRCCZ01	CON	1_LT_INC300	1	1	0.04	3.16
HID2I	GRCCZ01	CON	2_LT_MH100i	2	1	0.02	3.16
HID2I	HLTCZ01	CON	1_LT_INC300	1	1	0.01	1.09
HID2I	HLTCZ01	CON	2_LT_MH100i	2	1	0.01	1.09
HID2I	LDGCZ01	CON	1_LT_INC300	1	1	0.03	2.1
HID2I	LDGCZ01	CON	2_LT_MH100i	2	1	0	2.1
HID2I	LGOCZ01	CON	1_LT_INC300	1	1	0	0
HID2I	LGOCZ01	CON	2_LT_MH100i	2	1	0	0
HID2I	MSCCZ01	CON	1_LT_INC300	1	1	0.02	0.58
HID2I	MSCCZ01	CON	2_LT_MH100i	2	1	0	0.58
HID2I	REFCZ01	CON	1_LT_INC300	1	1	0.01	1.45
HID2I	REFCZ01	CON	2_LT_MH100i	2	1	0.02	1.45
HID2I	RETCZ01	CON	1_LT_INC300	1	1	0.03	25.23
HID2I	RETCZ01	CON	2_LT_MH100i	2	1	0	25.23
HID2I	RSTCZ01	CON	1_LT_INC300	1	1	0	0
HID2I	RSTCZ01	CON	2_LT_MH100i	2	1	0	0
HID2I	SCHCZ01	CON	1_LT_INC300	1	1	0	1.39
HID2I	SCHCZ01	CON	2_LT_MH100i	2	1	0	1.39
HID2I	SMOCZ01	CON	1_LT_INC300	1	1	0	0
HID2I	SMOCZ01	CON	2_LT_MH100i	2	1	0	0
HID2I	WRHCZ01	CON	1_LT_INC300	1	1	0.05	0.08
HID2I	WRHCZ01	CON	2_LT_MH100i	2	1	0	0.08
HID1MV	COLCZ01	CON	1_LT_MV100	1	1	0	0
HID1MV	COLCZ01	CON	2_LT_MH70mv	2	1	0	0
HID1MV	GRCCZ01	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ01	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ01	CON	1_LT_MV100	1	1	0	0
HID1MV	HLTCZ01	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LDGCZ01	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ01	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ01	CON	1_LT_MV100	1	1	0	0.15
HID1MV	LGOCZ01	CON	2_LT_MH70mv	2	1	0	0.15
HID1MV	MSCCZ01	CON	1_LT_MV100	1	1	0	0.69

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ01	CON	2_LT_MH70mv	2	1	0	0.69
HID1MV	REFCZ01	CON	1_LT_MV100	1	1	0	7.93
HID1MV	REFCZ01	CON	2_LT_MH70mv	2	1	0	7.93
HID1MV	RETCZ01	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ01	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ01	CON	1_LT_MV100	1	1	0	0.84
HID1MV	RSTCZ01	CON	2_LT_MH70mv	2	1	0	0.84
HID1MV	SCHCZ01	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ01	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ01	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ01	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ01	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ01	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ01	CON	1_LT_INC200	1	1	0	0
HID1I	COLCZ01	CON	2_LT_MH70i	2	1	0	0
HID1I	GRCCZ01	CON	1_LT_INC200	1	1	0	11.94
HID1I	GRCCZ01	CON	2_LT_MH70i	2	1	0	11.94
HID1I	HLTCZ01	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ01	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ01	CON	1_LT_INC200	1	1	0	0
HID1I	LDGCZ01	CON	2_LT_MH70i	2	1	0	0
HID1I	LGOCZ01	CON	1_LT_INC200	1	1	0	6.03
HID1I	LGOCZ01	CON	2_LT_MH70i	2	1	0	6.03
HID1I	MSCCZ01	CON	1_LT_INC200	1	1	0.01	12.69
HID1I	MSCCZ01	CON	2_LT_MH70i	2	1	0	12.69
HID1I	REFCZ01	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ01	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ01	CON	1_LT_INC200	1	1	0	168.81
HID1I	RETCZ01	CON	2_LT_MH70i	2	1	0	168.81
HID1I	RSTCZ01	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ01	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ01	CON	1_LT_INC200	1	1	0.01	11.99
HID1I	SCHCZ01	CON	2_LT_MH70i	2	1	0	11.99
HID1I	SMOCZ01	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ01	CON	2_LT_MH70i	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ01	CON	1_LT_INC200	1	1	0	1.67
HID1I	WRHCZ01	CON	2_LT_MH70i	2	1	0	1.67
HID13MV	COLCZ01	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ01	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ01	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	GRCCZ01	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	HLTCZ01	CON	1_LT_EXMV400	1	1	0	0
HID13MV	HLTCZ01	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LDGCZ01	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ01	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ01	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ01	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ01	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	MSCCZ01	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	REFCZ01	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	REFCZ01	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13MV	RETCZ01	CON	1_LT_EXMV400	1	1	1	0.04
HID13MV	RETCZ01	CON	2_LT_EXPS250mv	2	1	0	0.04
HID13MV	RSTCZ01	CON	1_LT_EXMV400	1	1	0	0
HID13MV	RSTCZ01	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SCHCZ01	CON	1_LT_EXMV400	1	1	0	0
HID13MV	SCHCZ01	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ01	CON	1_LT_EXMV400	1	1	1	0.03
HID13MV	SMOCZ01	CON	2_LT_EXPS250mv	2	1	0	0.03
HID13MV	WRHCZ01	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	WRHCZ01	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13I	COLCZ01	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ01	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ01	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ01	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ01	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ01	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ01	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ01	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ01	CON	1_LT_EXINC700	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ01	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ01	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	MSCCZ01	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	REFCZ01	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ01	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ01	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RETCZ01	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	RSTCZ01	CON	1_LT_EXINC700	1	1	0	0.01
HID13I	RSTCZ01	CON	2_LT_EXPS250i	2	1	1	0.01
HID13I	SCHCZ01	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ01	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ01	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ01	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ01	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ01	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ01	CON	1_LT_EXMV250	1	1	1	0
HID12MV	COLCZ01	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ01	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	GRCCZ01	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	HLTCZ01	CON	1_LT_EXMV250	1	1	0	0
HID12MV	HLTCZ01	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ01	CON	1_LT_EXMV250	1	1	0	0
HID12MV	LDGCZ01	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ01	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LGOCZ01	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	MSCCZ01	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	MSCCZ01	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	REFCZ01	CON	1_LT_EXMV250	1	1	0	0
HID12MV	REFCZ01	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	RETCZ01	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ01	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ01	CON	1_LT_EXMV250	1	1	0	0
HID12MV	RSTCZ01	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ01	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SCHCZ01	CON	2_LT_EXPS175mv	2	1	0	0



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ01	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SMOCZ01	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ01	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ01	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ01	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ01	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ01	CON	1_LT_EXINC500	1	1	0	0.01
HID12I	GRCCZ01	CON	2_LT_EXPS175i	2	1	1	0.01
HID12I	HLTCZ01	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ01	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ01	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ01	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ01	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ01	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ01	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ01	CON	2_LT_EXPS175i	2	1	0	0
HID12I	REFCZ01	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ01	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ01	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ01	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ01	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ01	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ01	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ01	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ01	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ01	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ01	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ01	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ01	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ01	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ01	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	GRCCZ01	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	HLTCZ01	CON	1_LT_EXMV175	1	1	0	0
HID11MV	HLTCZ01	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LDGCZ01	CON	1_LT_EXMV175	1	1	1	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ01	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ01	CON	1_LT_EXMV175	1	1	1	0
HID11MV	LGOCZ01	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	MSCCZ01	CON	1_LT_EXMV175	1	1	1	0.19
HID11MV	MSCCZ01	CON	2_LT_EXMH100mv	2	1	0	0.19
HID11MV	REFCZ01	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ01	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ01	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RETCZ01	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RSTCZ01	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RSTCZ01	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	SCHCZ01	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	SCHCZ01	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	SMOCZ01	CON	1_LT_EXMV175	1	1	1	0.08
HID11MV	SMOCZ01	CON	2_LT_EXMH100mv	2	1	0	0.08
HID11MV	WRHCZ01	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	WRHCZ01	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11I	COLCZ01	CON	1_LT_EXINC300	1	1	0	0
HID11I	COLCZ01	CON	2_LT_EXMH100i	2	1	1	0
HID11I	GRCCZ01	CON	1_LT_EXINC300	1	1	0.19	0.05
HID11I	GRCCZ01	CON	2_LT_EXMH100i	2	1	0.81	0.05
HID11I	HLTCZ01	CON	1_LT_EXINC300	1	1	0	0.13
HID11I	HLTCZ01	CON	2_LT_EXMH100i	2	1	1	0.13
HID11I	LDGCZ01	CON	1_LT_EXINC300	1	1	0.02	0.05
HID11I	LDGCZ01	CON	2_LT_EXMH100i	2	1	0.98	0.05
HID11I	LGOCZ01	CON	1_LT_EXINC300	1	1	0.01	0.01
HID11I	LGOCZ01	CON	2_LT_EXMH100i	2	1	0.99	0.01
HID11I	MSCCZ01	CON	1_LT_EXINC300	1	1	0.06	0.06
HID11I	MSCCZ01	CON	2_LT_EXMH100i	2	1	0.94	0.06
HID11I	REFCZ01	CON	1_LT_EXINC300	1	1	0	0.01
HID11I	REFCZ01	CON	2_LT_EXMH100i	2	1	1	0.01
HID11I	RETCZ01	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ01	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ01	CON	1_LT_EXINC300	1	1	0.33	0.01
HID11I	RSTCZ01	CON	2_LT_EXMH100i	2	1	0.67	0.01

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ01	CON	1_LT_EXINC300	1	1	0.15	0.05
HID11I	SCHCZ01	CON	2_LT_EXMH100i	2	1	0.85	0.05
HID11I	SMOCZ01	CON	1_LT_EXINC300	1	1	0	0.32
HID11I	SMOCZ01	CON	2_LT_EXMH100i	2	1	1	0.32
HID11I	WRHCZ01	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	WRHCZ01	CON	2_LT_EXMH100i	2	1	1	0.02
FLUOR4A	COLCZ01	CON	1_LT_8T12	1	1	1	0.05
FLUOR4A	COLCZ01	CON	2_LT_8T82ndG	2	1	0	0.05
FLUOR4A	GRCCZ01	CON	1_LT_8T12	1	1	0.52	2.58
FLUOR4A	GRCCZ01	CON	2_LT_8T82ndG	2	1	0.48	2.58
FLUOR4A	HLTCZ01	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	HLTCZ01	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	LDGCZ01	CON	1_LT_8T12	1	1	1	0.02
FLUOR4A	LDGCZ01	CON	2_LT_8T82ndG	2	1	0	0.02
FLUOR4A	LGOCZ01	CON	1_LT_8T12	1	1	0.9	0.13
FLUOR4A	LGOCZ01	CON	2_LT_8T82ndG	2	1	0.1	0.13
FLUOR4A	MSCCZ01	CON	1_LT_8T12	1	1	0.98	1.22
FLUOR4A	MSCCZ01	CON	2_LT_8T82ndG	2	1	0.02	1.22
FLUOR4A	REFCZ01	CON	1_LT_8T12	1	1	0.97	1.17
FLUOR4A	REFCZ01	CON	2_LT_8T82ndG	2	1	0.03	1.17
FLUOR4A	RETCZ01	CON	1_LT_8T12	1	1	0.66	1.13
FLUOR4A	RETCZ01	CON	2_LT_8T82ndG	2	1	0.34	1.13
FLUOR4A	RSTCZ01	CON	1_LT_8T12	1	1	0.93	0.95
FLUOR4A	RSTCZ01	CON	2_LT_8T82ndG	2	1	0.07	0.95
FLUOR4A	SCHCZ01	CON	1_LT_8T12	1	1	0.9	0.53
FLUOR4A	SCHCZ01	CON	2_LT_8T82ndG	2	1	0.1	0.53
FLUOR4A	SMOCZ01	CON	1_LT_8T12	1	1	0.37	0.18
FLUOR4A	SMOCZ01	CON	2_LT_8T82ndG	2	1	0.63	0.18
FLUOR4A	WRHCZ01	CON	1_LT_8T12	1	1	0.99	1.79
FLUOR4A	WRHCZ01	CON	2_LT_8T82ndG	2	1	0.01	1.79
FLUOR1A	COLCZ01	CON	1_LT_4T12	1	1	0.6	7.5
FLUOR1A	COLCZ01	CON	2_LT_4T8_5	2	1	0.4	7.5
FLUOR1A	GRCCZ01	CON	1_LT_4T12	1	1	0.08	9.03
FLUOR1A	GRCCZ01	CON	2_LT_4T8_5	2	1	0.92	9.03
FLUOR1A	HLTCZ01	CON	1_LT_4T12	1	1	0.15	5.95

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ01	CON	2_LT_4T8_5	2	1	0.85	5.95
FLUOR1A	LDGCZ01	CON	1_LT_4T12	1	1	0.38	0.93
FLUOR1A	LDGCZ01	CON	2_LT_4T8_5	2	1	0.62	0.93
FLUOR1A	LGOCZ01	CON	1_LT_4T12	1	1	0.11	4.87
FLUOR1A	LGOCZ01	CON	2_LT_4T8_5	2	1	0.89	4.87
FLUOR1A	MSCCZ01	CON	1_LT_4T12	1	1	0.41	2.15
FLUOR1A	MSCCZ01	CON	2_LT_4T8_5	2	1	0.59	2.15
FLUOR1A	REFCZ01	CON	1_LT_4T12	1	1	0.43	0.88
FLUOR1A	REFCZ01	CON	2_LT_4T8_5	2	1	0.57	0.88
FLUOR1A	RETCZ01	CON	1_LT_4T12	1	1	0.13	4.27
FLUOR1A	RETCZ01	CON	2_LT_4T8_5	2	1	0.87	4.27
FLUOR1A	RSTCZ01	CON	1_LT_4T12	1	1	0.76	2.04
FLUOR1A	RSTCZ01	CON	2_LT_4T8_5	2	1	0.24	2.04
FLUOR1A	SCHCZ01	CON	1_LT_4T12	1	1	0.23	5.4
FLUOR1A	SCHCZ01	CON	2_LT_4T8_5	2	1	0.77	5.4
FLUOR1A	SMOCZ01	CON	1_LT_4T12	1	1	0.18	3.97
FLUOR1A	SMOCZ01	CON	2_LT_4T8_5	2	1	0.82	3.97
FLUOR1A	WRHCZ01	CON	1_LT_4T12	1	1	0.23	1.14
FLUOR1A	WRHCZ01	CON	2_LT_4T8_5	2	1	0.77	1.14
EXIT1	COLCZ01	RET	2_LT_EXLED	1	1	0.83	0.45
EXIT1	GRCCZ01	RET	2_LT_EXLED	1	1	0.64	0.22
EXIT1	HLTCZ01	RET	2_LT_EXLED	1	1	0.72	0.48
EXIT1	LDGCZ01	RET	2_LT_EXLED	1	1	0.04	0.38
EXIT1	LGOCZ01	RET	2_LT_EXLED	1	1	0.55	0.48
EXIT1	MSCCZ01	RET	2_LT_EXLED	1	1	0.56	0.55
EXIT1	REFCZ01	RET	2_LT_EXLED	1	1	0.44	0.14
EXIT1	RETCZ01	RET	2_LT_EXLED	1	1	0.29	0.27
EXIT1	RSTCZ01	RET	2_LT_EXLED	1	1	0.32	0.8
EXIT1	SCHCZ01	RET	2_LT_EXLED	1	1	0.48	0.24
EXIT1	SMOCZ01	RET	2_LT_EXLED	1	1	0.75	0.79
EXIT1	WRHCZ01	RET	2_LT_EXLED	1	1	0.84	0.16
DL1	COLCZ01	RET	2_LT_DLInst	1	0	0	47.3
DL1	GRCCZ01	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ01	RET	2_LT_DLInst	1	0	0	14.99
DL1	LDGCZ01	RET	2_LT_DLInst	1	0	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ01	RET	2_LT_DLInst	1	0.12	0	24.58
DL1	MSCCZ01	RET	2_LT_DLInst	1	0	0	31.64
DL1	REFCZ01	RET	2_LT_DLInst	1	0	0	12.54
DL1	RETCZ01	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ01	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ01	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ01	RET	2_LT_DLInst	1	0.07	0	31.41
DL1	WRHCZ01	RET	2_LT_DLInst	1	0.01	0	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ02	RET	2_LT_RFLCSpec8	1	0	0	6.71
RFLC2	GRCCZ02	RET	2_LT_RFLCSpec8	1	0.07	0	5.82
RFLC2	HLTCZ02	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LDGCZ02	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ02	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ02	RET	2_LT_RFLCSpec8	1	0.02	0	2.61
RFLC2	REFCZ02	RET	2_LT_RFLCSpec8	1	0	0	0.28
RFLC2	RETCZ02	RET	2_LT_RFLCSpec8	1	0.01	0	4.31
RFLC2	RSTCZ02	RET	2_LT_RFLCSpec8	1	0.01	0	3.77
RFLC2	SCHCZ02	RET	2_LT_RFLCSpec8	1	0.01	0	3.69
RFLC2	SMOCZ02	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	WRHCZ02	RET	2_LT_RFLCSpec8	1	0.01	0	1.84
RFLC1	COLCZ02	RET	2_LT_RFLCSpec4	1	0.39	0.01	5.75
RFLC1	GRCCZ02	RET	2_LT_RFLCSpec4	1	0.36	0	3.9
RFLC1	HLTCZ02	RET	2_LT_RFLCSpec4	1	0.41	0	6.21
RFLC1	LDGCZ02	RET	2_LT_RFLCSpec4	1	0.04	0	3.35
RFLC1	LGOCZ02	RET	2_LT_RFLCSpec4	1	0.62	0.04	8.24
RFLC1	MSCCZ02	RET	2_LT_RFLCSpec4	1	0.17	0	6.06
RFLC1	REFCZ02	RET	2_LT_RFLCSpec4	1	0.11	0	3.9
RFLC1	RETCZ02	RET	2_LT_RFLCSpec4	1	0.41	0.01	6.77
RFLC1	RSTCZ02	RET	2_LT_RFLCSpec4	1	0.24	0	8.85
RFLC1	SCHCZ02	RET	2_LT_RFLCSpec4	1	0.48	0	8.18
RFLC1	SMOCZ02	RET	2_LT_RFLCSpec4	1	0.44	0	7.13
RFLC1	WRHCZ02	RET	2_LT_RFLCSpec4	1	0.16	0	5.04
PC1	COLCZ02	CON	1_LT_PCNoCtrl	1	1	0.09	0.29
PC1	COLCZ02	CON	2_LT_PCPC	2	1	0.54	0.29
PC1	COLCZ02	CON	3_LT_PCTC	3	1	0.06	0.29
PC1	COLCZ02	CON	4_LT_PCPT	4	1	0.15	0.29
PC1	GRCCZ02	CON	1_LT_PCNoCtrl	1	1	0	1.31
PC1	GRCCZ02	CON	2_LT_PCPC	2	1	0.56	1.31
PC1	GRCCZ02	CON	3_LT_PCTC	3	1	0.19	1.31
PC1	GRCCZ02	CON	4_LT_PCPT	4	1	0.08	1.31
PC1	HLTCZ02	CON	1_LT_PCNoCtrl	1	1	0.01	0.35
PC1	HLTCZ02	CON	2_LT_PCPC	2	1	0.51	0.35
PC1	HLTCZ02	CON	3_LT_PCTC	3	1	0.28	0.35

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ02	CON	4_LT_PCPT	4	1	0.06	0.35
PC1	LDGCZ02	CON	1_LT_PCNoCtrl	1	1	0.09	0.47
PC1	LDGCZ02	CON	2_LT_PCPC	2	1	0.58	0.47
PC1	LDGCZ02	CON	3_LT_PCTC	3	1	0.02	0.47
PC1	LDGCZ02	CON	4_LT_PCPT	4	1	0.15	0.47
PC1	LGOCZ02	CON	1_LT_PCNoCtrl	1	1	0	0.23
PC1	LGOCZ02	CON	2_LT_PCPC	2	1	0.45	0.23
PC1	LGOCZ02	CON	3_LT_PCTC	3	1	0.25	0.23
PC1	LGOCZ02	CON	4_LT_PCPT	4	1	0.14	0.23
PC1	MSCCZ02	CON	1_LT_PCNoCtrl	1	1	0.01	0.77
PC1	MSCCZ02	CON	2_LT_PCPC	2	1	0.44	0.77
PC1	MSCCZ02	CON	3_LT_PCTC	3	1	0.33	0.77
PC1	MSCCZ02	CON	4_LT_PCPT	4	1	0.1	0.77
PC1	REFCZ02	CON	1_LT_PCNoCtrl	1	1	0	0.18
PC1	REFCZ02	CON	2_LT_PCPC	2	1	0.66	0.18
PC1	REFCZ02	CON	3_LT_PCTC	3	1	0.19	0.18
PC1	REFCZ02	CON	4_LT_PCPT	4	1	0.11	0.18
PC1	RETCZ02	CON	1_LT_PCNoCtrl	1	1	0	0.57
PC1	RETCZ02	CON	2_LT_PCPC	2	1	0.32	0.57
PC1	RETCZ02	CON	3_LT_PCTC	3	1	0.21	0.57
PC1	RETCZ02	CON	4_LT_PCPT	4	1	0.2	0.57
PC1	RSTCZ02	CON	1_LT_PCNoCtrl	1	1	0	1.04
PC1	RSTCZ02	CON	2_LT_PCPC	2	1	0.3	1.04
PC1	RSTCZ02	CON	3_LT_PCTC	3	1	0.24	1.04
PC1	RSTCZ02	CON	4_LT_PCPT	4	1	0.15	1.04
PC1	SCHCZ02	CON	1_LT_PCNoCtrl	1	1	0	0.32
PC1	SCHCZ02	CON	2_LT_PCPC	2	1	0.28	0.32
PC1	SCHCZ02	CON	3_LT_PCTC	3	1	0.48	0.32
PC1	SCHCZ02	CON	4_LT_PCPT	4	1	0.16	0.32
PC1	SMOCZ02	CON	1_LT_PCNoCtrl	1	1	0.07	0.97
PC1	SMOCZ02	CON	2_LT_PCPC	2	1	0.35	0.97
PC1	SMOCZ02	CON	3_LT_PCTC	3	1	0.14	0.97
PC1	SMOCZ02	CON	4_LT_PCPT	4	1	0.08	0.97
PC1	WRHCZ02	CON	1_LT_PCNoCtrl	1	1	0	0.3
PC1	WRHCZ02	CON	2_LT_PCPC	2	1	0.61	0.3

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ02	CON	3_LT_PCTC	3	1	0.19	0.3
PC1	WRHCZ02	CON	4_LT_PCPT	4	1	0.1	0.3
OCC2	COLCZ02	RET	2_LT_OCCPCDInst	1	0.64	0	3.09
OCC2	GRCCZ02	RET	2_LT_OCCPCDInst	1	0.58	0	0.46
OCC2	HLTCZ02	RET	2_LT_OCCPCDInst	1	0.54	0	2.52
OCC2	LDGCZ02	RET	2_LT_OCCPCDInst	1	0.13	0	0.96
OCC2	LGOCZ02	RET	2_LT_OCCPCDInst	1	0.9	0	3.84
OCC2	MSCCZ02	RET	2_LT_OCCPCDInst	1	0.31	0	1.86
OCC2	REFCZ02	RET	2_LT_OCCPCDInst	1	0.28	0	0.92
OCC2	RETCZ02	RET	2_LT_OCCPCDInst	1	0.68	0	0.73
OCC2	RSTCZ02	RET	2_LT_OCCPCDInst	1	0.22	0	1.09
OCC2	SCHCZ02	RET	2_LT_OCCPCDInst	1	0.73	0	3.22
OCC2	SMOCZ02	RET	2_LT_OCCPCDInst	1	0.87	0	3.41
OCC2	WRHCZ02	RET	2_LT_OCCPCDInst	1	0.5	0	0.98
OCC1	COLCZ02	RET	2_LT_OCCMS	1	0.55	0.03	2.06
OCC1	GRCCZ02	RET	2_LT_OCCMS	1	0.1	0	1.68
OCC1	HLTCZ02	RET	2_LT_OCCMS	1	0.13	0	1.83
OCC1	LDGCZ02	RET	2_LT_OCCMS	1	0.04	0	1.21
OCC1	LGOCZ02	RET	2_LT_OCCMS	1	0.66	0.13	2.16
OCC1	MSCCZ02	RET	2_LT_OCCMS	1	0.21	0	1.51
OCC1	REFCZ02	RET	2_LT_OCCMS	1	0.33	0	0.75
OCC1	RETCZ02	RET	2_LT_OCCMS	1	0.17	0.01	1.6
OCC1	RSTCZ02	RET	2_LT_OCCMS	1	0.07	0	1.18
OCC1	SCHCZ02	RET	2_LT_OCCMS	1	0.67	0.02	2.56
OCC1	SMOCZ02	RET	2_LT_OCCMS	1	0.58	0	1.83
OCC1	WRHCZ02	RET	2_LT_OCCMS	1	0.64	0.03	1.08
INCAN6	COLCZ02	CON	1_LT_IRIP60	1	1	0.99	0.47
INCAN6	COLCZ02	CON	2_LT_CRC14s	2	1	0.01	0.47
INCAN6	GRCCZ02	CON	1_LT_IRIP60	1	1	1	0.59
INCAN6	GRCCZ02	CON	2_LT_CRC14s	2	1	0	0.59
INCAN6	HLTCZ02	CON	1_LT_IRIP60	1	1	0.95	0.79
INCAN6	HLTCZ02	CON	2_LT_CRC14s	2	1	0.05	0.79
INCAN6	LDGCZ02	CON	1_LT_IRIP60	1	1	0.59	0.41
INCAN6	LDGCZ02	CON	2_LT_CRC14s	2	1	0.41	0.41
INCAN6	LGOCZ02	CON	1_LT_IRIP60	1	1	0.91	0.22



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ02	CON	2_LT_CRC14s	2	1	0.09	0.22
INCAN6	MSCCZ02	CON	1_LT_IRIP60	1	1	0.95	0.15
INCAN6	MSCCZ02	CON	2_LT_CRC14s	2	1	0.05	0.15
INCAN6	REFCZ02	CON	1_LT_IRIP60	1	1	0.98	0.02
INCAN6	REFCZ02	CON	2_LT_CRC14s	2	1	0.02	0.02
INCAN6	RETCZ02	CON	1_LT_IRIP60	1	1	0.97	1.6
INCAN6	RETCZ02	CON	2_LT_CRC14s	2	1	0.03	1.6
INCAN6	RSTCZ02	CON	1_LT_IRIP60	1	1	0.92	1.52
INCAN6	RSTCZ02	CON	2_LT_CRC14s	2	1	0.08	1.52
INCAN6	SCHCZ02	CON	1_LT_IRIP60	1	1	0.85	0.1
INCAN6	SCHCZ02	CON	2_LT_CRC14s	2	1	0.15	0.1
INCAN6	SMOCZ02	CON	1_LT_IRIP60	1	1	1	1.5
INCAN6	SMOCZ02	CON	2_LT_CRC14s	2	1	0	1.5
INCAN6	WRHCZ02	CON	1_LT_IRIP60	1	1	0.95	0.04
INCAN6	WRHCZ02	CON	2_LT_CRC14s	2	1	0.05	0.04
INCAN5	COLCZ02	CON	1_LT_INC120	1	1	0.05	0.23
INCAN5	COLCZ02	CON	2_LT_CFL38s	2	1	0	0.23
INCAN5	COLCZ02	CON	3_LT_CFL38p	3	1	0.95	0.23
INCAN5	GRCCZ02	CON	1_LT_INC120	1	1	0.36	0.07
INCAN5	GRCCZ02	CON	2_LT_CFL38s	2	1	0.02	0.07
INCAN5	GRCCZ02	CON	3_LT_CFL38p	3	1	0.62	0.07
INCAN5	HLTCZ02	CON	1_LT_INC120	1	1	0.52	0.34
INCAN5	HLTCZ02	CON	2_LT_CFL38s	2	1	0.17	0.34
INCAN5	HLTCZ02	CON	3_LT_CFL38p	3	1	0.31	0.34
INCAN5	LDGCZ02	CON	1_LT_INC120	1	1	0.35	3.04
INCAN5	LDGCZ02	CON	2_LT_CFL38s	2	1	0.49	3.04
INCAN5	LDGCZ02	CON	3_LT_CFL38p	3	1	0.16	3.04
INCAN5	LGOCZ02	CON	1_LT_INC120	1	1	0.45	0.06
INCAN5	LGOCZ02	CON	2_LT_CFL38s	2	1	0.15	0.06
INCAN5	LGOCZ02	CON	3_LT_CFL38p	3	1	0.4	0.06
INCAN5	MSCCZ02	CON	1_LT_INC120	1	1	0.48	0.24
INCAN5	MSCCZ02	CON	2_LT_CFL38s	2	1	0.5	0.24
INCAN5	MSCCZ02	CON	3_LT_CFL38p	3	1	0.02	0.24
INCAN5	REFCZ02	CON	1_LT_INC120	1	1	1	0.07
INCAN5	REFCZ02	CON	2_LT_CFL38s	2	1	0	0.07

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ02	CON	3_LT_CFL38p	3	1	0	0.07
INCAN5	RETCZ02	CON	1_LT_INC120	1	1	0.38	0.19
INCAN5	RETCZ02	CON	2_LT_CFL38s	2	1	0.61	0.19
INCAN5	RETCZ02	CON	3_LT_CFL38p	3	1	0.02	0.19
INCAN5	RSTCZ02	CON	1_LT_INC120	1	1	1	0.57
INCAN5	RSTCZ02	CON	2_LT_CFL38s	2	1	0	0.57
INCAN5	RSTCZ02	CON	3_LT_CFL38p	3	1	0	0.57
INCAN5	SCHCZ02	CON	1_LT_INC120	1	1	0.29	0.29
INCAN5	SCHCZ02	CON	2_LT_CFL38s	2	1	0.03	0.29
INCAN5	SCHCZ02	CON	3_LT_CFL38p	3	1	0.68	0.29
INCAN5	SMOCZ02	CON	1_LT_INC120	1	1	1	0.29
INCAN5	SMOCZ02	CON	2_LT_CFL38s	2	1	0	0.29
INCAN5	SMOCZ02	CON	3_LT_CFL38p	3	1	0	0.29
INCAN5	WRHCZ02	CON	1_LT_INC120	1	1	1	0
INCAN5	WRHCZ02	CON	2_LT_CFL38s	2	1	0	0
INCAN5	WRHCZ02	CON	3_LT_CFL38p	3	1	0	0
INCAN3	COLCZ02	CON	1_LT_INC75	1	1	0.27	0.33
INCAN3	COLCZ02	CON	2_LT_CFL20s	2	1	0.55	0.33
INCAN3	COLCZ02	CON	3_LT_CFL20p	3	1	0.19	0.33
INCAN3	GRCCZ02	CON	1_LT_INC75	1	1	0.35	0.09
INCAN3	GRCCZ02	CON	2_LT_CFL20s	2	1	0.65	0.09
INCAN3	GRCCZ02	CON	3_LT_CFL20p	3	1	0	0.09
INCAN3	HLTCZ02	CON	1_LT_INC75	1	1	0.5	1.97
INCAN3	HLTCZ02	CON	2_LT_CFL20s	2	1	0.21	1.97
INCAN3	HLTCZ02	CON	3_LT_CFL20p	3	1	0.29	1.97
INCAN3	LDGCZ02	CON	1_LT_INC75	1	1	0.08	3.94
INCAN3	LDGCZ02	CON	2_LT_CFL20s	2	1	0.67	3.94
INCAN3	LDGCZ02	CON	3_LT_CFL20p	3	1	0.25	3.94
INCAN3	LGOCZ02	CON	1_LT_INC75	1	1	0.02	1.4
INCAN3	LGOCZ02	CON	2_LT_CFL20s	2	1	0.47	1.4
INCAN3	LGOCZ02	CON	3_LT_CFL20p	3	1	0.51	1.4
INCAN3	MSCCZ02	CON	1_LT_INC75	1	1	0.32	0.6
INCAN3	MSCCZ02	CON	2_LT_CFL20s	2	1	0.37	0.6
INCAN3	MSCCZ02	CON	3_LT_CFL20p	3	1	0.31	0.6
INCAN3	REFCZ02	CON	1_LT_INC75	1	1	0.83	0.03

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ02	CON	2_LT_CFL20s	2	1	0.17	0.03
INCAN3	REFCZ02	CON	3_LT_CFL20p	3	1	0	0.03
INCAN3	RETCZ02	CON	1_LT_INC75	1	1	0.2	0.37
INCAN3	RETCZ02	CON	2_LT_CFL20s	2	1	0.61	0.37
INCAN3	RETCZ02	CON	3_LT_CFL20p	3	1	0.19	0.37
INCAN3	RSTCZ02	CON	1_LT_INC75	1	1	0.49	2.85
INCAN3	RSTCZ02	CON	2_LT_CFL20s	2	1	0.41	2.85
INCAN3	RSTCZ02	CON	3_LT_CFL20p	3	1	0.11	2.85
INCAN3	SCHCZ02	CON	1_LT_INC75	1	1	0.64	0.09
INCAN3	SCHCZ02	CON	2_LT_CFL20s	2	1	0	0.09
INCAN3	SCHCZ02	CON	3_LT_CFL20p	3	1	0.36	0.09
INCAN3	SMOCZ02	CON	1_LT_INC75	1	1	0.04	0.8
INCAN3	SMOCZ02	CON	2_LT_CFL20s	2	1	0.25	0.8
INCAN3	SMOCZ02	CON	3_LT_CFL20p	3	1	0.71	0.8
INCAN3	WRHCZ02	CON	1_LT_INC75	1	1	0.12	0.06
INCAN3	WRHCZ02	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ02	CON	3_LT_CFL20p	3	1	0.7	0.06
INCAN2	COLCZ02	CON	1_LT_INC60	1	1	0.75	0.37
INCAN2	COLCZ02	CON	2_LT_CFL15s	2	1	0.16	0.37
INCAN2	COLCZ02	CON	3_LT_CFL15p	3	1	0.09	0.37
INCAN2	GRCCZ02	CON	1_LT_INC60	1	1	0.62	0.14
INCAN2	GRCCZ02	CON	2_LT_CFL15s	2	1	0.17	0.14
INCAN2	GRCCZ02	CON	3_LT_CFL15p	3	1	0.21	0.14
INCAN2	HLTCZ02	CON	1_LT_INC60	1	1	0.6	1.48
INCAN2	HLTCZ02	CON	2_LT_CFL15s	2	1	0.26	1.48
INCAN2	HLTCZ02	CON	3_LT_CFL15p	3	1	0.14	1.48
INCAN2	LDGCZ02	CON	1_LT_INC60	1	1	0.44	4.74
INCAN2	LDGCZ02	CON	2_LT_CFL15s	2	1	0.32	4.74
INCAN2	LDGCZ02	CON	3_LT_CFL15p	3	1	0.24	4.74
INCAN2	LGOCZ02	CON	1_LT_INC60	1	1	0.22	0.72
INCAN2	LGOCZ02	CON	2_LT_CFL15s	2	1	0.25	0.72
INCAN2	LGOCZ02	CON	3_LT_CFL15p	3	1	0.53	0.72
INCAN2	MSCCZ02	CON	1_LT_INC60	1	1	0.95	1.93
INCAN2	MSCCZ02	CON	2_LT_CFL15s	2	1	0.03	1.93
INCAN2	MSCCZ02	CON	3_LT_CFL15p	3	1	0.02	1.93

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ02	CON	1_LT_INC60	1	1	0.88	0.03
INCAN2	REFCZ02	CON	2_LT_CFL15s	2	1	0.12	0.03
INCAN2	REFCZ02	CON	3_LT_CFL15p	3	1	0	0.03
INCAN2	RETCZ02	CON	1_LT_INC60	1	1	0.12	0.96
INCAN2	RETCZ02	CON	2_LT_CFL15s	2	1	0.41	0.96
INCAN2	RETCZ02	CON	3_LT_CFL15p	3	1	0.47	0.96
INCAN2	RSTCZ02	CON	1_LT_INC60	1	1	0.56	2.69
INCAN2	RSTCZ02	CON	2_LT_CFL15s	2	1	0.4	2.69
INCAN2	RSTCZ02	CON	3_LT_CFL15p	3	1	0.04	2.69
INCAN2	SCHCZ02	CON	1_LT_INC60	1	1	0.53	0.4
INCAN2	SCHCZ02	CON	2_LT_CFL15s	2	1	0.35	0.4
INCAN2	SCHCZ02	CON	3_LT_CFL15p	3	1	0.12	0.4
INCAN2	SMOCZ02	CON	1_LT_INC60	1	1	0.92	0.51
INCAN2	SMOCZ02	CON	2_LT_CFL15s	2	1	0.01	0.51
INCAN2	SMOCZ02	CON	3_LT_CFL15p	3	1	0.07	0.51
INCAN2	WRHCZ02	CON	1_LT_INC60	1	1	0.82	0.09
INCAN2	WRHCZ02	CON	2_LT_CFL15s	2	1	0.18	0.09
INCAN2	WRHCZ02	CON	3_LT_CFL15p	3	1	0	0.09
INCAN1	COLCZ02	CON	1_LT_INC40	1	1	0.98	0.1
INCAN1	COLCZ02	CON	2_LT_CFL10_5s	2	1	0	0.1
INCAN1	COLCZ02	CON	3_LT_CFL10_5p	3	1	0.02	0.1
INCAN1	GRCCZ02	CON	1_LT_INC40	1	1	0.7	0.01
INCAN1	GRCCZ02	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	GRCCZ02	CON	3_LT_CFL10_5p	3	1	0.3	0.01
INCAN1	HLTCZ02	CON	1_LT_INC40	1	1	0.9	0.53
INCAN1	HLTCZ02	CON	2_LT_CFL10_5s	2	1	0.02	0.53
INCAN1	HLTCZ02	CON	3_LT_CFL10_5p	3	1	0.08	0.53
INCAN1	LDGCZ02	CON	1_LT_INC40	1	1	0.71	1.54
INCAN1	LDGCZ02	CON	2_LT_CFL10_5s	2	1	0.12	1.54
INCAN1	LDGCZ02	CON	3_LT_CFL10_5p	3	1	0.17	1.54
INCAN1	LGOCZ02	CON	1_LT_INC40	1	1	0.22	0.27
INCAN1	LGOCZ02	CON	2_LT_CFL10_5s	2	1	0.31	0.27
INCAN1	LGOCZ02	CON	3_LT_CFL10_5p	3	1	0.47	0.27
INCAN1	MSCCZ02	CON	1_LT_INC40	1	1	0.97	0.1
INCAN1	MSCCZ02	CON	2_LT_CFL10_5s	2	1	0.03	0.1

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ02	CON	3_LT_CFL10_5p	3	1	0	0.1
INCAN1	REFCZ02	CON	1_LT_INC40	1	1	1	0.01
INCAN1	REFCZ02	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	REFCZ02	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	RETCZ02	CON	1_LT_INC40	1	1	1	0.04
INCAN1	RETCZ02	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	RETCZ02	CON	3_LT_CFL10_5p	3	1	0	0.04
INCAN1	RSTCZ02	CON	1_LT_INC40	1	1	0.98	0.93
INCAN1	RSTCZ02	CON	2_LT_CFL10_5s	2	1	0	0.93
INCAN1	RSTCZ02	CON	3_LT_CFL10_5p	3	1	0.02	0.93
INCAN1	SCHCZ02	CON	1_LT_INC40	1	1	0.3	0.08
INCAN1	SCHCZ02	CON	2_LT_CFL10_5s	2	1	0	0.08
INCAN1	SCHCZ02	CON	3_LT_CFL10_5p	3	1	0.7	0.08
INCAN1	SMOCZ02	CON	1_LT_INC40	1	1	0.99	0.9
INCAN1	SMOCZ02	CON	2_LT_CFL10_5s	2	1	0.01	0.9
INCAN1	SMOCZ02	CON	3_LT_CFL10_5p	3	1	0	0.9
INCAN1	WRHCZ02	CON	1_LT_INC40	1	1	0.91	0.04
INCAN1	WRHCZ02	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	WRHCZ02	CON	3_LT_CFL10_5p	3	1	0.09	0.04
HID6	COLCZ02	CON	1_LT_MH400	1	1	0	4
HID6	COLCZ02	CON	2_LT_PS320	2	1	0	4
HID6	COLCZ02	CON	3_LT_HIDT5HO	3	1	0	4
HID6	GRCCZ02	CON	1_LT_MH400	1	1	0	2.76
HID6	GRCCZ02	CON	2_LT_PS320	2	1	0.01	2.76
HID6	GRCCZ02	CON	3_LT_HIDT5HO	3	1	0	2.76
HID6	HLTCZ02	CON	1_LT_MH400	1	1	0	0
HID6	HLTCZ02	CON	2_LT_PS320	2	1	0	0
HID6	HLTCZ02	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LDGCZ02	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ02	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ02	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ02	CON	1_LT_MH400	1	1	0	0.54
HID6	LGOCZ02	CON	2_LT_PS320	2	1	0	0.54
HID6	LGOCZ02	CON	3_LT_HIDT5HO	3	1	0	0.54
HID6	MSCCZ02	CON	1_LT_MH400	1	1	0.04	1.58

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ02	CON	2_LT_PS320	2	1	0	1.58
HID6	MSCCZ02	CON	3_LT_HIDT5HO	3	1	0	1.58
HID6	REFCZ02	CON	1_LT_MH400	1	1	0.09	5.96
HID6	REFCZ02	CON	2_LT_PS320	2	1	0	5.96
HID6	REFCZ02	CON	3_LT_HIDT5HO	3	1	0	5.96
HID6	RETCZ02	CON	1_LT_MH400	1	1	0.05	2.86
HID6	RETCZ02	CON	2_LT_PS320	2	1	0.03	2.86
HID6	RETCZ02	CON	3_LT_HIDT5HO	3	1	0	2.86
HID6	RSTCZ02	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ02	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ02	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ02	CON	1_LT_MH400	1	1	0.02	3.64
HID6	SCHCZ02	CON	2_LT_PS320	2	1	0	3.64
HID6	SCHCZ02	CON	3_LT_HIDT5HO	3	1	0	3.64
HID6	SMOCZ02	CON	1_LT_MH400	1	1	0.1	0.7
HID6	SMOCZ02	CON	2_LT_PS320	2	1	0	0.7
HID6	SMOCZ02	CON	3_LT_HIDT5HO	3	1	0	0.7
HID6	WRHCZ02	CON	1_LT_MH400	1	1	0.27	1.42
HID6	WRHCZ02	CON	2_LT_PS320	2	1	0.03	1.42
HID6	WRHCZ02	CON	3_LT_HIDT5HO	3	1	0	1.42
HID4MV	COLCZ02	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ02	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ02	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ02	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ02	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ02	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ02	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ02	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ02	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ02	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ02	CON	1_LT_MV400	1	1	0	7.27
HID4MV	MSCCZ02	CON	2_LT_MH250mv	2	1	0	7.27
HID4MV	REFCZ02	CON	1_LT_MV400	1	1	0.02	5.71
HID4MV	REFCZ02	CON	2_LT_MH250mv	2	1	0.07	5.71
HID4MV	RETCZ02	CON	1_LT_MV400	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ02	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ02	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ02	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ02	CON	1_LT_MV400	1	1	0	0
HID4MV	SCHCZ02	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SMOCZ02	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ02	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ02	CON	1_LT_MV400	1	1	0.01	4.46
HID4MV	WRHCZ02	CON	2_LT_MH250mv	2	1	0.01	4.46
HID4I	COLCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ02	CON	2_LT_MH250i	2	1	0.02	0.45
HID4I	GRCCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ02	CON	2_LT_MH250i	2	1	0.04	0.41
HID4I	HLTCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ02	CON	2_LT_MH250i	2	1	0	0.19
HID4I	LDGCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ02	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ02	CON	2_LT_MH250i	2	1	0	0.97
HID4I	MSCCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ02	CON	2_LT_MH250i	2	1	0.02	0.83
HID4I	REFCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ02	CON	2_LT_MH250i	2	1	0.04	3.95
HID4I	RETCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ02	CON	2_LT_MH250i	2	1	0.04	0.15
HID4I	RSTCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ02	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ02	CON	2_LT_MH250i	2	1	0.01	0.81
HID4I	SMOCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ02	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ02	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ02	CON	2_LT_MH250i	2	1	0.09	0.34
HID3MV	COLCZ02	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ02	CON	2_LT_MH175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ02	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ02	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ02	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ02	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ02	CON	1_LT_MV250	1	1	0	0
HID3MV	LDGCZ02	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LGOCZ02	CON	1_LT_MV250	1	1	0	7.22
HID3MV	LGOCZ02	CON	2_LT_MH175mv	2	1	0	7.22
HID3MV	MSCCZ02	CON	1_LT_MV250	1	1	0	48.77
HID3MV	MSCCZ02	CON	2_LT_MH175mv	2	1	0	48.77
HID3MV	REFCZ02	CON	1_LT_MV250	1	1	0	0
HID3MV	REFCZ02	CON	2_LT_MH175mv	2	1	0	0
HID3MV	RETCZ02	CON	1_LT_MV250	1	1	0.01	1.72
HID3MV	RETCZ02	CON	2_LT_MH175mv	2	1	0	1.72
HID3MV	RSTCZ02	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ02	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ02	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ02	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ02	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ02	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ02	CON	1_LT_MV250	1	1	0	0
HID3MV	WRHCZ02	CON	2_LT_MH175mv	2	1	0	0
HID3I	COLCZ02	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ02	CON	2_LT_MH175i	2	1	0	0
HID3I	GRCCZ02	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ02	CON	2_LT_MH175i	2	1	0.04	1.08
HID3I	HLTCZ02	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ02	CON	2_LT_MH175i	2	1	0	35.66
HID3I	LDGCZ02	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ02	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ02	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ02	CON	2_LT_MH175i	2	1	0	0
HID3I	MSCCZ02	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ02	CON	2_LT_MH175i	2	1	0.03	0.66
HID3I	REFCZ02	CON	1_LT_INC500i	1	1	0	0



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ02	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ02	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ02	CON	2_LT_MH175i	2	1	0	0.15
HID3I	RSTCZ02	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ02	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ02	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ02	CON	2_LT_MH175i	2	1	0	3.2
HID3I	SMOCZ02	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ02	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ02	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ02	CON	2_LT_MH175i	2	1	0	4.43
HID2MV	COLCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ02	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	GRCCZ02	CON	2_LT_MH100mv	2	1	0	0
HID2MV	HLTCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ02	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ02	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ02	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ02	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ02	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ02	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ02	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ02	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ02	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ02	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ02	CON	2_LT_MH100mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ02	CON	1_LT_INC300	1	1	0.01	10.1
HID2I	COLCZ02	CON	2_LT_MH100i	2	1	0	10.1
HID2I	GRCCZ02	CON	1_LT_INC300	1	1	0.04	3.16
HID2I	GRCCZ02	CON	2_LT_MH100i	2	1	0.02	3.16
HID2I	HLTCZ02	CON	1_LT_INC300	1	1	0.01	1.09
HID2I	HLTCZ02	CON	2_LT_MH100i	2	1	0.01	1.09
HID2I	LDGCZ02	CON	1_LT_INC300	1	1	0.03	2.1
HID2I	LDGCZ02	CON	2_LT_MH100i	2	1	0	2.1
HID2I	LGOCZ02	CON	1_LT_INC300	1	1	0	0
HID2I	LGOCZ02	CON	2_LT_MH100i	2	1	0	0
HID2I	MSCCZ02	CON	1_LT_INC300	1	1	0.02	0.58
HID2I	MSCCZ02	CON	2_LT_MH100i	2	1	0	0.58
HID2I	REFCZ02	CON	1_LT_INC300	1	1	0.01	1.45
HID2I	REFCZ02	CON	2_LT_MH100i	2	1	0.02	1.45
HID2I	RETCZ02	CON	1_LT_INC300	1	1	0.03	25.23
HID2I	RETCZ02	CON	2_LT_MH100i	2	1	0	25.23
HID2I	RSTCZ02	CON	1_LT_INC300	1	1	0	0
HID2I	RSTCZ02	CON	2_LT_MH100i	2	1	0	0
HID2I	SCHCZ02	CON	1_LT_INC300	1	1	0	1.39
HID2I	SCHCZ02	CON	2_LT_MH100i	2	1	0	1.39
HID2I	SMOCZ02	CON	1_LT_INC300	1	1	0	0
HID2I	SMOCZ02	CON	2_LT_MH100i	2	1	0	0
HID2I	WRHCZ02	CON	1_LT_INC300	1	1	0.05	0.08
HID2I	WRHCZ02	CON	2_LT_MH100i	2	1	0	0.08
HID1MV	COLCZ02	CON	1_LT_MV100	1	1	0	0
HID1MV	COLCZ02	CON	2_LT_MH70mv	2	1	0	0
HID1MV	GRCCZ02	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ02	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ02	CON	1_LT_MV100	1	1	0	0
HID1MV	HLTCZ02	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LDGCZ02	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ02	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ02	CON	1_LT_MV100	1	1	0	0.15
HID1MV	LGOCZ02	CON	2_LT_MH70mv	2	1	0	0.15
HID1MV	MSCCZ02	CON	1_LT_MV100	1	1	0	0.69

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ02	CON	2_LT_MH70mv	2	1	0	0.69
HID1MV	REFCZ02	CON	1_LT_MV100	1	1	0	7.93
HID1MV	REFCZ02	CON	2_LT_MH70mv	2	1	0	7.93
HID1MV	RETCZ02	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ02	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ02	CON	1_LT_MV100	1	1	0	0.84
HID1MV	RSTCZ02	CON	2_LT_MH70mv	2	1	0	0.84
HID1MV	SCHCZ02	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ02	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ02	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ02	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ02	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ02	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ02	CON	1_LT_INC200	1	1	0	0
HID1I	COLCZ02	CON	2_LT_MH70i	2	1	0	0
HID1I	GRCCZ02	CON	1_LT_INC200	1	1	0	11.94
HID1I	GRCCZ02	CON	2_LT_MH70i	2	1	0	11.94
HID1I	HLTCZ02	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ02	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ02	CON	1_LT_INC200	1	1	0	0
HID1I	LDGCZ02	CON	2_LT_MH70i	2	1	0	0
HID1I	LGOCZ02	CON	1_LT_INC200	1	1	0	6.03
HID1I	LGOCZ02	CON	2_LT_MH70i	2	1	0	6.03
HID1I	MSCCZ02	CON	1_LT_INC200	1	1	0.01	12.69
HID1I	MSCCZ02	CON	2_LT_MH70i	2	1	0	12.69
HID1I	REFCZ02	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ02	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ02	CON	1_LT_INC200	1	1	0	168.81
HID1I	RETCZ02	CON	2_LT_MH70i	2	1	0	168.81
HID1I	RSTCZ02	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ02	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ02	CON	1_LT_INC200	1	1	0.01	11.99
HID1I	SCHCZ02	CON	2_LT_MH70i	2	1	0	11.99
HID1I	SMOCZ02	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ02	CON	2_LT_MH70i	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ02	CON	1_LT_INC200	1	1	0	1.67
HID1I	WRHCZ02	CON	2_LT_MH70i	2	1	0	1.67
HID13MV	COLCZ02	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ02	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ02	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	GRCCZ02	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	HLTCZ02	CON	1_LT_EXMV400	1	1	0	0
HID13MV	HLTCZ02	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LDGCZ02	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ02	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ02	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ02	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ02	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	MSCCZ02	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	REFCZ02	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	REFCZ02	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13MV	RETCZ02	CON	1_LT_EXMV400	1	1	1	0.04
HID13MV	RETCZ02	CON	2_LT_EXPS250mv	2	1	0	0.04
HID13MV	RSTCZ02	CON	1_LT_EXMV400	1	1	0	0
HID13MV	RSTCZ02	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SCHCZ02	CON	1_LT_EXMV400	1	1	0	0
HID13MV	SCHCZ02	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ02	CON	1_LT_EXMV400	1	1	1	0.03
HID13MV	SMOCZ02	CON	2_LT_EXPS250mv	2	1	0	0.03
HID13MV	WRHCZ02	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	WRHCZ02	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13I	COLCZ02	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ02	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ02	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ02	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ02	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ02	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ02	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ02	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ02	CON	1_LT_EXINC700	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ02	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ02	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	MSCCZ02	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	REFCZ02	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ02	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ02	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RETCZ02	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	RSTCZ02	CON	1_LT_EXINC700	1	1	0	0.01
HID13I	RSTCZ02	CON	2_LT_EXPS250i	2	1	1	0.01
HID13I	SCHCZ02	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ02	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ02	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ02	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ02	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ02	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ02	CON	1_LT_EXMV250	1	1	1	0
HID12MV	COLCZ02	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ02	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	GRCCZ02	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	HLTCZ02	CON	1_LT_EXMV250	1	1	0	0
HID12MV	HLTCZ02	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ02	CON	1_LT_EXMV250	1	1	0	0
HID12MV	LDGCZ02	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ02	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LGOCZ02	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	MSCCZ02	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	MSCCZ02	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	REFCZ02	CON	1_LT_EXMV250	1	1	0	0
HID12MV	REFCZ02	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	RETCZ02	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ02	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ02	CON	1_LT_EXMV250	1	1	0	0
HID12MV	RSTCZ02	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ02	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SCHCZ02	CON	2_LT_EXPS175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ02	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SMOCZ02	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ02	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ02	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ02	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ02	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ02	CON	1_LT_EXINC500	1	1	0	0.01
HID12I	GRCCZ02	CON	2_LT_EXPS175i	2	1	1	0.01
HID12I	HLTCZ02	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ02	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ02	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ02	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ02	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ02	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ02	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ02	CON	2_LT_EXPS175i	2	1	0	0
HID12I	REFCZ02	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ02	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ02	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ02	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ02	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ02	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ02	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ02	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ02	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ02	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ02	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ02	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ02	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ02	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ02	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	GRCCZ02	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	HLTCZ02	CON	1_LT_EXMV175	1	1	0	0
HID11MV	HLTCZ02	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LDGCZ02	CON	1_LT_EXMV175	1	1	1	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ02	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ02	CON	1_LT_EXMV175	1	1	1	0
HID11MV	LGOCZ02	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	MSCCZ02	CON	1_LT_EXMV175	1	1	1	0.19
HID11MV	MSCCZ02	CON	2_LT_EXMH100mv	2	1	0	0.19
HID11MV	REFCZ02	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ02	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ02	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RETCZ02	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RSTCZ02	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RSTCZ02	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	SCHCZ02	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	SCHCZ02	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	SMOCZ02	CON	1_LT_EXMV175	1	1	1	0.08
HID11MV	SMOCZ02	CON	2_LT_EXMH100mv	2	1	0	0.08
HID11MV	WRHCZ02	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	WRHCZ02	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11I	COLCZ02	CON	1_LT_EXINC300	1	1	0	0
HID11I	COLCZ02	CON	2_LT_EXMH100i	2	1	1	0
HID11I	GRCCZ02	CON	1_LT_EXINC300	1	1	0.19	0.05
HID11I	GRCCZ02	CON	2_LT_EXMH100i	2	1	0.81	0.05
HID11I	HLTCZ02	CON	1_LT_EXINC300	1	1	0	0.13
HID11I	HLTCZ02	CON	2_LT_EXMH100i	2	1	1	0.13
HID11I	LDGCZ02	CON	1_LT_EXINC300	1	1	0.02	0.05
HID11I	LDGCZ02	CON	2_LT_EXMH100i	2	1	0.98	0.05
HID11I	LGOCZ02	CON	1_LT_EXINC300	1	1	0.01	0.01
HID11I	LGOCZ02	CON	2_LT_EXMH100i	2	1	0.99	0.01
HID11I	MSCCZ02	CON	1_LT_EXINC300	1	1	0.06	0.06
HID11I	MSCCZ02	CON	2_LT_EXMH100i	2	1	0.94	0.06
HID11I	REFCZ02	CON	1_LT_EXINC300	1	1	0	0.01
HID11I	REFCZ02	CON	2_LT_EXMH100i	2	1	1	0.01
HID11I	RETCZ02	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ02	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ02	CON	1_LT_EXINC300	1	1	0.33	0.01
HID11I	RSTCZ02	CON	2_LT_EXMH100i	2	1	0.67	0.01

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ02	CON	1_LT_EXINC300	1	1	0.15	0.05
HID11I	SCHCZ02	CON	2_LT_EXMH100i	2	1	0.85	0.05
HID11I	SMOCZ02	CON	1_LT_EXINC300	1	1	0	0.32
HID11I	SMOCZ02	CON	2_LT_EXMH100i	2	1	1	0.32
HID11I	WRHCZ02	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	WRHCZ02	CON	2_LT_EXMH100i	2	1	1	0.02
FLUOR4A	COLCZ02	CON	1_LT_8T12	1	1	1	0.05
FLUOR4A	COLCZ02	CON	2_LT_8T82ndG	2	1	0	0.05
FLUOR4A	GRCCZ02	CON	1_LT_8T12	1	1	0.52	2.58
FLUOR4A	GRCCZ02	CON	2_LT_8T82ndG	2	1	0.48	2.58
FLUOR4A	HLTCZ02	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	HLTCZ02	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	LDGCZ02	CON	1_LT_8T12	1	1	1	0.02
FLUOR4A	LDGCZ02	CON	2_LT_8T82ndG	2	1	0	0.02
FLUOR4A	LGOCZ02	CON	1_LT_8T12	1	1	0.9	0.13
FLUOR4A	LGOCZ02	CON	2_LT_8T82ndG	2	1	0.1	0.13
FLUOR4A	MSCCZ02	CON	1_LT_8T12	1	1	0.98	1.22
FLUOR4A	MSCCZ02	CON	2_LT_8T82ndG	2	1	0.02	1.22
FLUOR4A	REFCZ02	CON	1_LT_8T12	1	1	0.97	1.17
FLUOR4A	REFCZ02	CON	2_LT_8T82ndG	2	1	0.03	1.17
FLUOR4A	RETCZ02	CON	1_LT_8T12	1	1	0.66	1.13
FLUOR4A	RETCZ02	CON	2_LT_8T82ndG	2	1	0.34	1.13
FLUOR4A	RSTCZ02	CON	1_LT_8T12	1	1	0.93	0.95
FLUOR4A	RSTCZ02	CON	2_LT_8T82ndG	2	1	0.07	0.95
FLUOR4A	SCHCZ02	CON	1_LT_8T12	1	1	0.9	0.53
FLUOR4A	SCHCZ02	CON	2_LT_8T82ndG	2	1	0.1	0.53
FLUOR4A	SMOCZ02	CON	1_LT_8T12	1	1	0.37	0.18
FLUOR4A	SMOCZ02	CON	2_LT_8T82ndG	2	1	0.63	0.18
FLUOR4A	WRHCZ02	CON	1_LT_8T12	1	1	0.99	1.79
FLUOR4A	WRHCZ02	CON	2_LT_8T82ndG	2	1	0.01	1.79
FLUOR1A	COLCZ02	CON	1_LT_4T12	1	1	0.6	7.5
FLUOR1A	COLCZ02	CON	2_LT_4T8_5	2	1	0.4	7.5
FLUOR1A	GRCCZ02	CON	1_LT_4T12	1	1	0.08	9.03
FLUOR1A	GRCCZ02	CON	2_LT_4T8_5	2	1	0.92	9.03
FLUOR1A	HLTCZ02	CON	1_LT_4T12	1	1	0.15	5.95



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ02	CON	2_LT_4T8_5	2	1	0.85	5.95
FLUOR1A	LDGCZ02	CON	1_LT_4T12	1	1	0.38	0.93
FLUOR1A	LDGCZ02	CON	2_LT_4T8_5	2	1	0.62	0.93
FLUOR1A	LGOCZ02	CON	1_LT_4T12	1	1	0.11	4.87
FLUOR1A	LGOCZ02	CON	2_LT_4T8_5	2	1	0.89	4.87
FLUOR1A	MSCCZ02	CON	1_LT_4T12	1	1	0.41	2.15
FLUOR1A	MSCCZ02	CON	2_LT_4T8_5	2	1	0.59	2.15
FLUOR1A	REFCZ02	CON	1_LT_4T12	1	1	0.43	0.88
FLUOR1A	REFCZ02	CON	2_LT_4T8_5	2	1	0.57	0.88
FLUOR1A	RETCZ02	CON	1_LT_4T12	1	1	0.13	4.27
FLUOR1A	RETCZ02	CON	2_LT_4T8_5	2	1	0.87	4.27
FLUOR1A	RSTCZ02	CON	1_LT_4T12	1	1	0.76	2.04
FLUOR1A	RSTCZ02	CON	2_LT_4T8_5	2	1	0.24	2.04
FLUOR1A	SCHCZ02	CON	1_LT_4T12	1	1	0.23	5.4
FLUOR1A	SCHCZ02	CON	2_LT_4T8_5	2	1	0.77	5.4
FLUOR1A	SMOCZ02	CON	1_LT_4T12	1	1	0.18	3.97
FLUOR1A	SMOCZ02	CON	2_LT_4T8_5	2	1	0.82	3.97
FLUOR1A	WRHCZ02	CON	1_LT_4T12	1	1	0.23	1.14
FLUOR1A	WRHCZ02	CON	2_LT_4T8_5	2	1	0.77	1.14
EXIT1	COLCZ02	RET	2_LT_EXLED	1	1	0.83	0.45
EXIT1	GRCCZ02	RET	2_LT_EXLED	1	1	0.64	0.22
EXIT1	HLTCZ02	RET	2_LT_EXLED	1	1	0.72	0.48
EXIT1	LDGCZ02	RET	2_LT_EXLED	1	1	0.04	0.38
EXIT1	LGOCZ02	RET	2_LT_EXLED	1	1	0.55	0.48
EXIT1	MSCCZ02	RET	2_LT_EXLED	1	1	0.56	0.55
EXIT1	REFCZ02	RET	2_LT_EXLED	1	1	0.44	0.14
EXIT1	RETCZ02	RET	2_LT_EXLED	1	1	0.29	0.27
EXIT1	RSTCZ02	RET	2_LT_EXLED	1	1	0.32	0.8
EXIT1	SCHCZ02	RET	2_LT_EXLED	1	1	0.48	0.24
EXIT1	SMOCZ02	RET	2_LT_EXLED	1	1	0.75	0.79
EXIT1	WRHCZ02	RET	2_LT_EXLED	1	1	0.84	0.16
DL1	COLCZ02	RET	2_LT_DLInst	1	0	0	47.3
DL1	GRCCZ02	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ02	RET	2_LT_DLInst	1	0	0	14.99
DL1	LDGCZ02	RET	2_LT_DLInst	1	0	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ02	RET	2_LT_DLInst	1	0.12	0	24.58
DL1	MSCCZ02	RET	2_LT_DLInst	1	0	0	31.64
DL1	REFCZ02	RET	2_LT_DLInst	1	0	0	12.54
DL1	RETCZ02	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ02	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ02	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ02	RET	2_LT_DLInst	1	0.07	0	31.41
DL1	WRHCZ02	RET	2_LT_DLInst	1	0.01	0	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ03	RET	2_LT_RFLCSpec8	1	0	0	6.71
RFLC2	GRCCZ03	RET	2_LT_RFLCSpec8	1	0.07	0	5.82
RFLC2	HLTCZ03	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LDGCZ03	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGO CZ03	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ03	RET	2_LT_RFLCSpec8	1	0.02	0	2.61
RFLC2	REFCZ03	RET	2_LT_RFLCSpec8	1	0	0	0.28
RFLC2	RETCZ03	RET	2_LT_RFLCSpec8	1	0.01	0	4.31
RFLC2	RSTCZ03	RET	2_LT_RFLCSpec8	1	0.01	0	3.77
RFLC2	SCHCZ03	RET	2_LT_RFLCSpec8	1	0.01	0	3.69
RFLC2	SMOCZ03	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	WRHCZ03	RET	2_LT_RFLCSpec8	1	0.01	0	1.84
RFLC1	COLCZ03	RET	2_LT_RFLCSpec4	1	0.39	0.01	5.75
RFLC1	GRCCZ03	RET	2_LT_RFLCSpec4	1	0.36	0	3.9
RFLC1	HLTCZ03	RET	2_LT_RFLCSpec4	1	0.41	0	6.21
RFLC1	LDGCZ03	RET	2_LT_RFLCSpec4	1	0.04	0	3.35
RFLC1	LGO CZ03	RET	2_LT_RFLCSpec4	1	0.62	0.04	8.24
RFLC1	MSCCZ03	RET	2_LT_RFLCSpec4	1	0.17	0	6.06
RFLC1	REFCZ03	RET	2_LT_RFLCSpec4	1	0.11	0	3.9
RFLC1	RETCZ03	RET	2_LT_RFLCSpec4	1	0.41	0.01	6.77
RFLC1	RSTCZ03	RET	2_LT_RFLCSpec4	1	0.24	0	8.85
RFLC1	SCHCZ03	RET	2_LT_RFLCSpec4	1	0.48	0	8.18
RFLC1	SMOCZ03	RET	2_LT_RFLCSpec4	1	0.44	0	7.13
RFLC1	WRHCZ03	RET	2_LT_RFLCSpec4	1	0.16	0	5.04
PC1	COLCZ03	CON	1_LT_PCNoCtrl	1	1	0.09	0.29
PC1	COLCZ03	CON	2_LT_PCPC	2	1	0.54	0.29
PC1	COLCZ03	CON	3_LT_PCTC	3	1	0.06	0.29
PC1	COLCZ03	CON	4_LT_PCPT	4	1	0.15	0.29
PC1	GRCCZ03	CON	1_LT_PCNoCtrl	1	1	0	1.31
PC1	GRCCZ03	CON	2_LT_PCPC	2	1	0.56	1.31
PC1	GRCCZ03	CON	3_LT_PCTC	3	1	0.19	1.31
PC1	GRCCZ03	CON	4_LT_PCPT	4	1	0.08	1.31
PC1	HLTCZ03	CON	1_LT_PCNoCtrl	1	1	0.01	0.35
PC1	HLTCZ03	CON	2_LT_PCPC	2	1	0.51	0.35
PC1	HLTCZ03	CON	3_LT_PCTC	3	1	0.28	0.35

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ03	CON	4_LT_PCPT	4	1	0.06	0.35
PC1	LDGCZ03	CON	1_LT_PCNoCtrl	1	1	0.09	0.47
PC1	LDGCZ03	CON	2_LT_PCPC	2	1	0.58	0.47
PC1	LDGCZ03	CON	3_LT_PCTC	3	1	0.02	0.47
PC1	LDGCZ03	CON	4_LT_PCPT	4	1	0.15	0.47
PC1	LGOCZ03	CON	1_LT_PCNoCtrl	1	1	0	0.23
PC1	LGOCZ03	CON	2_LT_PCPC	2	1	0.45	0.23
PC1	LGOCZ03	CON	3_LT_PCTC	3	1	0.25	0.23
PC1	LGOCZ03	CON	4_LT_PCPT	4	1	0.14	0.23
PC1	MSCCZ03	CON	1_LT_PCNoCtrl	1	1	0.01	0.77
PC1	MSCCZ03	CON	2_LT_PCPC	2	1	0.44	0.77
PC1	MSCCZ03	CON	3_LT_PCTC	3	1	0.33	0.77
PC1	MSCCZ03	CON	4_LT_PCPT	4	1	0.1	0.77
PC1	REFCZ03	CON	1_LT_PCNoCtrl	1	1	0	0.18
PC1	REFCZ03	CON	2_LT_PCPC	2	1	0.66	0.18
PC1	REFCZ03	CON	3_LT_PCTC	3	1	0.19	0.18
PC1	REFCZ03	CON	4_LT_PCPT	4	1	0.11	0.18
PC1	RETCZ03	CON	1_LT_PCNoCtrl	1	1	0	0.57
PC1	RETCZ03	CON	2_LT_PCPC	2	1	0.32	0.57
PC1	RETCZ03	CON	3_LT_PCTC	3	1	0.21	0.57
PC1	RETCZ03	CON	4_LT_PCPT	4	1	0.2	0.57
PC1	RSTCZ03	CON	1_LT_PCNoCtrl	1	1	0	1.04
PC1	RSTCZ03	CON	2_LT_PCPC	2	1	0.3	1.04
PC1	RSTCZ03	CON	3_LT_PCTC	3	1	0.24	1.04
PC1	RSTCZ03	CON	4_LT_PCPT	4	1	0.15	1.04
PC1	SCHCZ03	CON	1_LT_PCNoCtrl	1	1	0	0.32
PC1	SCHCZ03	CON	2_LT_PCPC	2	1	0.28	0.32
PC1	SCHCZ03	CON	3_LT_PCTC	3	1	0.48	0.32
PC1	SCHCZ03	CON	4_LT_PCPT	4	1	0.16	0.32
PC1	SMOCZ03	CON	1_LT_PCNoCtrl	1	1	0.07	0.97
PC1	SMOCZ03	CON	2_LT_PCPC	2	1	0.35	0.97
PC1	SMOCZ03	CON	3_LT_PCTC	3	1	0.14	0.97
PC1	SMOCZ03	CON	4_LT_PCPT	4	1	0.08	0.97
PC1	WRHCZ03	CON	1_LT_PCNoCtrl	1	1	0	0.3
PC1	WRHCZ03	CON	2_LT_PCPC	2	1	0.61	0.3

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ03	CON	3_LT_PCTC	3	1	0.19	0.3
PC1	WRHCZ03	CON	4_LT_PCPT	4	1	0.1	0.3
OCC2	COLCZ03	RET	2_LT_OCCPCDInst	1	0.64	0	3.09
OCC2	GRCCZ03	RET	2_LT_OCCPCDInst	1	0.58	0	0.46
OCC2	HLTCZ03	RET	2_LT_OCCPCDInst	1	0.54	0	2.52
OCC2	LDGCZ03	RET	2_LT_OCCPCDInst	1	0.13	0	0.96
OCC2	LGOCZ03	RET	2_LT_OCCPCDInst	1	0.9	0	3.84
OCC2	MSCCZ03	RET	2_LT_OCCPCDInst	1	0.31	0	1.86
OCC2	REFCZ03	RET	2_LT_OCCPCDInst	1	0.28	0	0.92
OCC2	RETCZ03	RET	2_LT_OCCPCDInst	1	0.68	0	0.73
OCC2	RSTCZ03	RET	2_LT_OCCPCDInst	1	0.22	0	1.09
OCC2	SCHCZ03	RET	2_LT_OCCPCDInst	1	0.73	0	3.22
OCC2	SMOCZ03	RET	2_LT_OCCPCDInst	1	0.87	0	3.41
OCC2	WRHCZ03	RET	2_LT_OCCPCDInst	1	0.5	0	0.98
OCC1	COLCZ03	RET	2_LT_OCCMS	1	0.55	0.03	2.06
OCC1	GRCCZ03	RET	2_LT_OCCMS	1	0.1	0	1.68
OCC1	HLTCZ03	RET	2_LT_OCCMS	1	0.13	0	1.83
OCC1	LDGCZ03	RET	2_LT_OCCMS	1	0.04	0	1.21
OCC1	LGOCZ03	RET	2_LT_OCCMS	1	0.66	0.13	2.16
OCC1	MSCCZ03	RET	2_LT_OCCMS	1	0.21	0	1.51
OCC1	REFCZ03	RET	2_LT_OCCMS	1	0.33	0	0.75
OCC1	RETCZ03	RET	2_LT_OCCMS	1	0.17	0.01	1.6
OCC1	RSTCZ03	RET	2_LT_OCCMS	1	0.07	0	1.18
OCC1	SCHCZ03	RET	2_LT_OCCMS	1	0.67	0.02	2.56
OCC1	SMOCZ03	RET	2_LT_OCCMS	1	0.58	0	1.83
OCC1	WRHCZ03	RET	2_LT_OCCMS	1	0.64	0.03	1.08
INCAN6	COLCZ03	CON	1_LT_IRIP60	1	1	0.99	0.47
INCAN6	COLCZ03	CON	2_LT_CRC14s	2	1	0.01	0.47
INCAN6	GRCCZ03	CON	1_LT_IRIP60	1	1	1	0.59
INCAN6	GRCCZ03	CON	2_LT_CRC14s	2	1	0	0.59
INCAN6	HLTCZ03	CON	1_LT_IRIP60	1	1	0.95	0.79
INCAN6	HLTCZ03	CON	2_LT_CRC14s	2	1	0.05	0.79
INCAN6	LDGCZ03	CON	1_LT_IRIP60	1	1	0.59	0.41
INCAN6	LDGCZ03	CON	2_LT_CRC14s	2	1	0.41	0.41
INCAN6	LGOCZ03	CON	1_LT_IRIP60	1	1	0.91	0.22

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ03	CON	2_LT_CRC14s	2	1	0.09	0.22
INCAN6	MSCCZ03	CON	1_LT_IRIP60	1	1	0.95	0.15
INCAN6	MSCCZ03	CON	2_LT_CRC14s	2	1	0.05	0.15
INCAN6	REFCZ03	CON	1_LT_IRIP60	1	1	0.98	0.02
INCAN6	REFCZ03	CON	2_LT_CRC14s	2	1	0.02	0.02
INCAN6	RETCZ03	CON	1_LT_IRIP60	1	1	0.97	1.6
INCAN6	RETCZ03	CON	2_LT_CRC14s	2	1	0.03	1.6
INCAN6	RSTCZ03	CON	1_LT_IRIP60	1	1	0.92	1.52
INCAN6	RSTCZ03	CON	2_LT_CRC14s	2	1	0.08	1.52
INCAN6	SCHCZ03	CON	1_LT_IRIP60	1	1	0.85	0.1
INCAN6	SCHCZ03	CON	2_LT_CRC14s	2	1	0.15	0.1
INCAN6	SMOCZ03	CON	1_LT_IRIP60	1	1	1	1.5
INCAN6	SMOCZ03	CON	2_LT_CRC14s	2	1	0	1.5
INCAN6	WRHCZ03	CON	1_LT_IRIP60	1	1	0.95	0.04
INCAN6	WRHCZ03	CON	2_LT_CRC14s	2	1	0.05	0.04
INCAN5	COLCZ03	CON	1_LT_INC120	1	1	0.05	0.23
INCAN5	COLCZ03	CON	2_LT_CFL38s	2	1	0	0.23
INCAN5	COLCZ03	CON	3_LT_CFL38p	3	1	0.95	0.23
INCAN5	GRCCZ03	CON	1_LT_INC120	1	1	0.36	0.07
INCAN5	GRCCZ03	CON	2_LT_CFL38s	2	1	0.02	0.07
INCAN5	GRCCZ03	CON	3_LT_CFL38p	3	1	0.62	0.07
INCAN5	HLTCZ03	CON	1_LT_INC120	1	1	0.52	0.34
INCAN5	HLTCZ03	CON	2_LT_CFL38s	2	1	0.17	0.34
INCAN5	HLTCZ03	CON	3_LT_CFL38p	3	1	0.31	0.34
INCAN5	LDGCZ03	CON	1_LT_INC120	1	1	0.35	3.04
INCAN5	LDGCZ03	CON	2_LT_CFL38s	2	1	0.49	3.04
INCAN5	LDGCZ03	CON	3_LT_CFL38p	3	1	0.16	3.04
INCAN5	LGOCZ03	CON	1_LT_INC120	1	1	0.45	0.06
INCAN5	LGOCZ03	CON	2_LT_CFL38s	2	1	0.15	0.06
INCAN5	LGOCZ03	CON	3_LT_CFL38p	3	1	0.4	0.06
INCAN5	MSCCZ03	CON	1_LT_INC120	1	1	0.48	0.24
INCAN5	MSCCZ03	CON	2_LT_CFL38s	2	1	0.5	0.24
INCAN5	MSCCZ03	CON	3_LT_CFL38p	3	1	0.02	0.24
INCAN5	REFCZ03	CON	1_LT_INC120	1	1	1	0.07
INCAN5	REFCZ03	CON	2_LT_CFL38s	2	1	0	0.07

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ03	CON	3_LT_CFL38p	3	1	0	0.07
INCAN5	RETCZ03	CON	1_LT_INC120	1	1	0.38	0.19
INCAN5	RETCZ03	CON	2_LT_CFL38s	2	1	0.61	0.19
INCAN5	RETCZ03	CON	3_LT_CFL38p	3	1	0.02	0.19
INCAN5	RSTCZ03	CON	1_LT_INC120	1	1	1	0.57
INCAN5	RSTCZ03	CON	2_LT_CFL38s	2	1	0	0.57
INCAN5	RSTCZ03	CON	3_LT_CFL38p	3	1	0	0.57
INCAN5	SCHCZ03	CON	1_LT_INC120	1	1	0.29	0.29
INCAN5	SCHCZ03	CON	2_LT_CFL38s	2	1	0.03	0.29
INCAN5	SCHCZ03	CON	3_LT_CFL38p	3	1	0.68	0.29
INCAN5	SMOCZ03	CON	1_LT_INC120	1	1	1	0.29
INCAN5	SMOCZ03	CON	2_LT_CFL38s	2	1	0	0.29
INCAN5	SMOCZ03	CON	3_LT_CFL38p	3	1	0	0.29
INCAN5	WRHCZ03	CON	1_LT_INC120	1	1	1	0
INCAN5	WRHCZ03	CON	2_LT_CFL38s	2	1	0	0
INCAN5	WRHCZ03	CON	3_LT_CFL38p	3	1	0	0
INCAN3	COLCZ03	CON	1_LT_INC75	1	1	0.27	0.33
INCAN3	COLCZ03	CON	2_LT_CFL20s	2	1	0.55	0.33
INCAN3	COLCZ03	CON	3_LT_CFL20p	3	1	0.19	0.33
INCAN3	GRCCZ03	CON	1_LT_INC75	1	1	0.35	0.09
INCAN3	GRCCZ03	CON	2_LT_CFL20s	2	1	0.65	0.09
INCAN3	GRCCZ03	CON	3_LT_CFL20p	3	1	0	0.09
INCAN3	HLTCZ03	CON	1_LT_INC75	1	1	0.5	1.97
INCAN3	HLTCZ03	CON	2_LT_CFL20s	2	1	0.21	1.97
INCAN3	HLTCZ03	CON	3_LT_CFL20p	3	1	0.29	1.97
INCAN3	LDGCZ03	CON	1_LT_INC75	1	1	0.08	3.94
INCAN3	LDGCZ03	CON	2_LT_CFL20s	2	1	0.67	3.94
INCAN3	LDGCZ03	CON	3_LT_CFL20p	3	1	0.25	3.94
INCAN3	LGOCZ03	CON	1_LT_INC75	1	1	0.02	1.4
INCAN3	LGOCZ03	CON	2_LT_CFL20s	2	1	0.47	1.4
INCAN3	LGOCZ03	CON	3_LT_CFL20p	3	1	0.51	1.4
INCAN3	MSCCZ03	CON	1_LT_INC75	1	1	0.32	0.6
INCAN3	MSCCZ03	CON	2_LT_CFL20s	2	1	0.37	0.6
INCAN3	MSCCZ03	CON	3_LT_CFL20p	3	1	0.31	0.6
INCAN3	REFCZ03	CON	1_LT_INC75	1	1	0.83	0.03

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ03	CON	2_LT_CFL20s	2	1	0.17	0.03
INCAN3	REFCZ03	CON	3_LT_CFL20p	3	1	0	0.03
INCAN3	RETCZ03	CON	1_LT_INC75	1	1	0.2	0.37
INCAN3	RETCZ03	CON	2_LT_CFL20s	2	1	0.61	0.37
INCAN3	RETCZ03	CON	3_LT_CFL20p	3	1	0.19	0.37
INCAN3	RSTCZ03	CON	1_LT_INC75	1	1	0.49	2.85
INCAN3	RSTCZ03	CON	2_LT_CFL20s	2	1	0.41	2.85
INCAN3	RSTCZ03	CON	3_LT_CFL20p	3	1	0.11	2.85
INCAN3	SCHCZ03	CON	1_LT_INC75	1	1	0.64	0.09
INCAN3	SCHCZ03	CON	2_LT_CFL20s	2	1	0	0.09
INCAN3	SCHCZ03	CON	3_LT_CFL20p	3	1	0.36	0.09
INCAN3	SMOCZ03	CON	1_LT_INC75	1	1	0.04	0.8
INCAN3	SMOCZ03	CON	2_LT_CFL20s	2	1	0.25	0.8
INCAN3	SMOCZ03	CON	3_LT_CFL20p	3	1	0.71	0.8
INCAN3	WRHCZ03	CON	1_LT_INC75	1	1	0.12	0.06
INCAN3	WRHCZ03	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ03	CON	3_LT_CFL20p	3	1	0.7	0.06
INCAN2	COLCZ03	CON	1_LT_INC60	1	1	0.75	0.37
INCAN2	COLCZ03	CON	2_LT_CFL15s	2	1	0.16	0.37
INCAN2	COLCZ03	CON	3_LT_CFL15p	3	1	0.09	0.37
INCAN2	GRCCZ03	CON	1_LT_INC60	1	1	0.62	0.14
INCAN2	GRCCZ03	CON	2_LT_CFL15s	2	1	0.17	0.14
INCAN2	GRCCZ03	CON	3_LT_CFL15p	3	1	0.21	0.14
INCAN2	HLTCZ03	CON	1_LT_INC60	1	1	0.6	1.48
INCAN2	HLTCZ03	CON	2_LT_CFL15s	2	1	0.26	1.48
INCAN2	HLTCZ03	CON	3_LT_CFL15p	3	1	0.14	1.48
INCAN2	LDGCZ03	CON	1_LT_INC60	1	1	0.44	4.74
INCAN2	LDGCZ03	CON	2_LT_CFL15s	2	1	0.32	4.74
INCAN2	LDGCZ03	CON	3_LT_CFL15p	3	1	0.24	4.74
INCAN2	LGOCZ03	CON	1_LT_INC60	1	1	0.22	0.72
INCAN2	LGOCZ03	CON	2_LT_CFL15s	2	1	0.25	0.72
INCAN2	LGOCZ03	CON	3_LT_CFL15p	3	1	0.53	0.72
INCAN2	MSCCZ03	CON	1_LT_INC60	1	1	0.95	1.93
INCAN2	MSCCZ03	CON	2_LT_CFL15s	2	1	0.03	1.93
INCAN2	MSCCZ03	CON	3_LT_CFL15p	3	1	0.02	1.93



PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ03	CON	1_LT_INC60	1	1	0.88	0.03
INCAN2	REFCZ03	CON	2_LT_CFL15s	2	1	0.12	0.03
INCAN2	REFCZ03	CON	3_LT_CFL15p	3	1	0	0.03
INCAN2	RETCZ03	CON	1_LT_INC60	1	1	0.12	0.96
INCAN2	RETCZ03	CON	2_LT_CFL15s	2	1	0.41	0.96
INCAN2	RETCZ03	CON	3_LT_CFL15p	3	1	0.47	0.96
INCAN2	RSTCZ03	CON	1_LT_INC60	1	1	0.56	2.69
INCAN2	RSTCZ03	CON	2_LT_CFL15s	2	1	0.4	2.69
INCAN2	RSTCZ03	CON	3_LT_CFL15p	3	1	0.04	2.69
INCAN2	SCHCZ03	CON	1_LT_INC60	1	1	0.53	0.4
INCAN2	SCHCZ03	CON	2_LT_CFL15s	2	1	0.35	0.4
INCAN2	SCHCZ03	CON	3_LT_CFL15p	3	1	0.12	0.4
INCAN2	SMOCZ03	CON	1_LT_INC60	1	1	0.92	0.51
INCAN2	SMOCZ03	CON	2_LT_CFL15s	2	1	0.01	0.51
INCAN2	SMOCZ03	CON	3_LT_CFL15p	3	1	0.07	0.51
INCAN2	WRHCZ03	CON	1_LT_INC60	1	1	0.82	0.09
INCAN2	WRHCZ03	CON	2_LT_CFL15s	2	1	0.18	0.09
INCAN2	WRHCZ03	CON	3_LT_CFL15p	3	1	0	0.09
INCAN1	COLCZ03	CON	1_LT_INC40	1	1	0.98	0.1
INCAN1	COLCZ03	CON	2_LT_CFL10_5s	2	1	0	0.1
INCAN1	COLCZ03	CON	3_LT_CFL10_5p	3	1	0.02	0.1
INCAN1	GRCCZ03	CON	1_LT_INC40	1	1	0.7	0.01
INCAN1	GRCCZ03	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	GRCCZ03	CON	3_LT_CFL10_5p	3	1	0.3	0.01
INCAN1	HLTCZ03	CON	1_LT_INC40	1	1	0.9	0.53
INCAN1	HLTCZ03	CON	2_LT_CFL10_5s	2	1	0.02	0.53
INCAN1	HLTCZ03	CON	3_LT_CFL10_5p	3	1	0.08	0.53
INCAN1	LDGCZ03	CON	1_LT_INC40	1	1	0.71	1.54
INCAN1	LDGCZ03	CON	2_LT_CFL10_5s	2	1	0.12	1.54
INCAN1	LDGCZ03	CON	3_LT_CFL10_5p	3	1	0.17	1.54
INCAN1	LGOCZ03	CON	1_LT_INC40	1	1	0.22	0.27
INCAN1	LGOCZ03	CON	2_LT_CFL10_5s	2	1	0.31	0.27
INCAN1	LGOCZ03	CON	3_LT_CFL10_5p	3	1	0.47	0.27
INCAN1	MSCCZ03	CON	1_LT_INC40	1	1	0.97	0.1
INCAN1	MSCCZ03	CON	2_LT_CFL10_5s	2	1	0.03	0.1

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ03	CON	3_LT_CFL10_5p	3	1	0	0.1
INCAN1	REFCZ03	CON	1_LT_INC40	1	1	1	0.01
INCAN1	REFCZ03	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	REFCZ03	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	RETCZ03	CON	1_LT_INC40	1	1	1	0.04
INCAN1	RETCZ03	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	RETCZ03	CON	3_LT_CFL10_5p	3	1	0	0.04
INCAN1	RSTCZ03	CON	1_LT_INC40	1	1	0.98	0.93
INCAN1	RSTCZ03	CON	2_LT_CFL10_5s	2	1	0	0.93
INCAN1	RSTCZ03	CON	3_LT_CFL10_5p	3	1	0.02	0.93
INCAN1	SCHCZ03	CON	1_LT_INC40	1	1	0.3	0.08
INCAN1	SCHCZ03	CON	2_LT_CFL10_5s	2	1	0	0.08
INCAN1	SCHCZ03	CON	3_LT_CFL10_5p	3	1	0.7	0.08
INCAN1	SMOCZ03	CON	1_LT_INC40	1	1	0.99	0.9
INCAN1	SMOCZ03	CON	2_LT_CFL10_5s	2	1	0.01	0.9
INCAN1	SMOCZ03	CON	3_LT_CFL10_5p	3	1	0	0.9
INCAN1	WRHCZ03	CON	1_LT_INC40	1	1	0.91	0.04
INCAN1	WRHCZ03	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	WRHCZ03	CON	3_LT_CFL10_5p	3	1	0.09	0.04
HID6	COLCZ03	CON	1_LT_MH400	1	1	0	4
HID6	COLCZ03	CON	2_LT_PS320	2	1	0	4
HID6	COLCZ03	CON	3_LT_HIDT5HO	3	1	0	4
HID6	GRCCZ03	CON	1_LT_MH400	1	1	0	2.76
HID6	GRCCZ03	CON	2_LT_PS320	2	1	0.01	2.76
HID6	GRCCZ03	CON	3_LT_HIDT5HO	3	1	0	2.76
HID6	HLTCZ03	CON	1_LT_MH400	1	1	0	0
HID6	HLTCZ03	CON	2_LT_PS320	2	1	0	0
HID6	HLTCZ03	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LDGCZ03	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ03	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ03	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ03	CON	1_LT_MH400	1	1	0	0.54
HID6	LGOCZ03	CON	2_LT_PS320	2	1	0	0.54
HID6	LGOCZ03	CON	3_LT_HIDT5HO	3	1	0	0.54
HID6	MSCCZ03	CON	1_LT_MH400	1	1	0.04	1.58

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ03	CON	2_LT_PS320	2	1	0	1.58
HID6	MSCCZ03	CON	3_LT_HIDT5HO	3	1	0	1.58
HID6	REFCZ03	CON	1_LT_MH400	1	1	0.09	5.96
HID6	REFCZ03	CON	2_LT_PS320	2	1	0	5.96
HID6	REFCZ03	CON	3_LT_HIDT5HO	3	1	0	5.96
HID6	RETCZ03	CON	1_LT_MH400	1	1	0.05	2.86
HID6	RETCZ03	CON	2_LT_PS320	2	1	0.03	2.86
HID6	RETCZ03	CON	3_LT_HIDT5HO	3	1	0	2.86
HID6	RSTCZ03	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ03	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ03	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ03	CON	1_LT_MH400	1	1	0.02	3.64
HID6	SCHCZ03	CON	2_LT_PS320	2	1	0	3.64
HID6	SCHCZ03	CON	3_LT_HIDT5HO	3	1	0	3.64
HID6	SMOCZ03	CON	1_LT_MH400	1	1	0.1	0.7
HID6	SMOCZ03	CON	2_LT_PS320	2	1	0	0.7
HID6	SMOCZ03	CON	3_LT_HIDT5HO	3	1	0	0.7
HID6	WRHCZ03	CON	1_LT_MH400	1	1	0.27	1.42
HID6	WRHCZ03	CON	2_LT_PS320	2	1	0.03	1.42
HID6	WRHCZ03	CON	3_LT_HIDT5HO	3	1	0	1.42
HID4MV	COLCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ03	CON	1_LT_MV400	1	1	0	7.27
HID4MV	MSCCZ03	CON	2_LT_MH250mv	2	1	0	7.27
HID4MV	REFCZ03	CON	1_LT_MV400	1	1	0.02	5.71
HID4MV	REFCZ03	CON	2_LT_MH250mv	2	1	0.07	5.71
HID4MV	RETCZ03	CON	1_LT_MV400	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	SCHCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SMOCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ03	CON	1_LT_MV400	1	1	0.01	4.46
HID4MV	WRHCZ03	CON	2_LT_MH250mv	2	1	0.01	4.46
HID4I	COLCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ03	CON	2_LT_MH250i	2	1	0.02	0.45
HID4I	GRCCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ03	CON	2_LT_MH250i	2	1	0.04	0.41
HID4I	HLTCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ03	CON	2_LT_MH250i	2	1	0	0.19
HID4I	LDGCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ03	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ03	CON	2_LT_MH250i	2	1	0	0.97
HID4I	MSCCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ03	CON	2_LT_MH250i	2	1	0.02	0.83
HID4I	REFCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ03	CON	2_LT_MH250i	2	1	0.04	3.95
HID4I	RETCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ03	CON	2_LT_MH250i	2	1	0.04	0.15
HID4I	RSTCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ03	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ03	CON	2_LT_MH250i	2	1	0.01	0.81
HID4I	SMOCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ03	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ03	CON	2_LT_MH250i	2	1	0.09	0.34
HID3MV	COLCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ03	CON	2_LT_MH175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

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HID3MV	GRCCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	LDGCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LGOCZ03	CON	1_LT_MV250	1	1	0	7.22
HID3MV	LGOCZ03	CON	2_LT_MH175mv	2	1	0	7.22
HID3MV	MSCCZ03	CON	1_LT_MV250	1	1	0	48.77
HID3MV	MSCCZ03	CON	2_LT_MH175mv	2	1	0	48.77
HID3MV	REFCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	REFCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	RETCZ03	CON	1_LT_MV250	1	1	0.01	1.72
HID3MV	RETCZ03	CON	2_LT_MH175mv	2	1	0	1.72
HID3MV	RSTCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	WRHCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3I	COLCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	GRCCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ03	CON	2_LT_MH175i	2	1	0.04	1.08
HID3I	HLTCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ03	CON	2_LT_MH175i	2	1	0	35.66
HID3I	LDGCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	MSCCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ03	CON	2_LT_MH175i	2	1	0.03	0.66
HID3I	REFCZ03	CON	1_LT_INC500i	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ03	CON	2_LT_MH175i	2	1	0	0.15
HID3I	RSTCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ03	CON	2_LT_MH175i	2	1	0	3.2
HID3I	SMOCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ03	CON	2_LT_MH175i	2	1	0	4.43
HID2MV	COLCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	GRCCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	HLTCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ03	CON	2_LT_MH100mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ03	CON	1_LT_INC300	1	1	0.01	10.1
HID2I	COLCZ03	CON	2_LT_MH100i	2	1	0	10.1
HID2I	GRCCZ03	CON	1_LT_INC300	1	1	0.04	3.16
HID2I	GRCCZ03	CON	2_LT_MH100i	2	1	0.02	3.16
HID2I	HLTCZ03	CON	1_LT_INC300	1	1	0.01	1.09
HID2I	HLTCZ03	CON	2_LT_MH100i	2	1	0.01	1.09
HID2I	LDGCZ03	CON	1_LT_INC300	1	1	0.03	2.1
HID2I	LDGCZ03	CON	2_LT_MH100i	2	1	0	2.1
HID2I	LGOCZ03	CON	1_LT_INC300	1	1	0	0
HID2I	LGOCZ03	CON	2_LT_MH100i	2	1	0	0
HID2I	MSCCZ03	CON	1_LT_INC300	1	1	0.02	0.58
HID2I	MSCCZ03	CON	2_LT_MH100i	2	1	0	0.58
HID2I	REFCZ03	CON	1_LT_INC300	1	1	0.01	1.45
HID2I	REFCZ03	CON	2_LT_MH100i	2	1	0.02	1.45
HID2I	RETCZ03	CON	1_LT_INC300	1	1	0.03	25.23
HID2I	RETCZ03	CON	2_LT_MH100i	2	1	0	25.23
HID2I	RSTCZ03	CON	1_LT_INC300	1	1	0	0
HID2I	RSTCZ03	CON	2_LT_MH100i	2	1	0	0
HID2I	SCHCZ03	CON	1_LT_INC300	1	1	0	1.39
HID2I	SCHCZ03	CON	2_LT_MH100i	2	1	0	1.39
HID2I	SMOCZ03	CON	1_LT_INC300	1	1	0	0
HID2I	SMOCZ03	CON	2_LT_MH100i	2	1	0	0
HID2I	WRHCZ03	CON	1_LT_INC300	1	1	0.05	0.08
HID2I	WRHCZ03	CON	2_LT_MH100i	2	1	0	0.08
HID1MV	COLCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	COLCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	GRCCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	HLTCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LDGCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ03	CON	1_LT_MV100	1	1	0	0.15
HID1MV	LGOCZ03	CON	2_LT_MH70mv	2	1	0	0.15
HID1MV	MSCCZ03	CON	1_LT_MV100	1	1	0	0.69

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ03	CON	2_LT_MH70mv	2	1	0	0.69
HID1MV	REFCZ03	CON	1_LT_MV100	1	1	0	7.93
HID1MV	REFCZ03	CON	2_LT_MH70mv	2	1	0	7.93
HID1MV	RETCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ03	CON	1_LT_MV100	1	1	0	0.84
HID1MV	RSTCZ03	CON	2_LT_MH70mv	2	1	0	0.84
HID1MV	SCHCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	COLCZ03	CON	2_LT_MH70i	2	1	0	0
HID1I	GRCCZ03	CON	1_LT_INC200	1	1	0	11.94
HID1I	GRCCZ03	CON	2_LT_MH70i	2	1	0	11.94
HID1I	HLTCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ03	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	LDGCZ03	CON	2_LT_MH70i	2	1	0	0
HID1I	LGOCZ03	CON	1_LT_INC200	1	1	0	6.03
HID1I	LGOCZ03	CON	2_LT_MH70i	2	1	0	6.03
HID1I	MSCCZ03	CON	1_LT_INC200	1	1	0.01	12.69
HID1I	MSCCZ03	CON	2_LT_MH70i	2	1	0	12.69
HID1I	REFCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ03	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ03	CON	1_LT_INC200	1	1	0	168.81
HID1I	RETCZ03	CON	2_LT_MH70i	2	1	0	168.81
HID1I	RSTCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ03	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ03	CON	1_LT_INC200	1	1	0.01	11.99
HID1I	SCHCZ03	CON	2_LT_MH70i	2	1	0	11.99
HID1I	SMOCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ03	CON	2_LT_MH70i	2	1	0	0



PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ03	CON	1_LT_INC200	1	1	0	1.67
HID1I	WRHCZ03	CON	2_LT_MH70i	2	1	0	1.67
HID13MV	COLCZ03	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ03	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	GRCCZ03	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	HLTCZ03	CON	1_LT_EXMV400	1	1	0	0
HID13MV	HLTCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LDGCZ03	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ03	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ03	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	MSCCZ03	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	REFCZ03	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	REFCZ03	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13MV	RETCZ03	CON	1_LT_EXMV400	1	1	1	0.04
HID13MV	RETCZ03	CON	2_LT_EXPS250mv	2	1	0	0.04
HID13MV	RSTCZ03	CON	1_LT_EXMV400	1	1	0	0
HID13MV	RSTCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SCHCZ03	CON	1_LT_EXMV400	1	1	0	0
HID13MV	SCHCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ03	CON	1_LT_EXMV400	1	1	1	0.03
HID13MV	SMOCZ03	CON	2_LT_EXPS250mv	2	1	0	0.03
HID13MV	WRHCZ03	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	WRHCZ03	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13I	COLCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ03	CON	1_LT_EXINC700	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ03	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	MSCCZ03	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	REFCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ03	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RETCZ03	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	RSTCZ03	CON	1_LT_EXINC700	1	1	0	0.01
HID13I	RSTCZ03	CON	2_LT_EXPS250i	2	1	1	0.01
HID13I	SCHCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ03	CON	1_LT_EXMV250	1	1	1	0
HID12MV	COLCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ03	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	GRCCZ03	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	HLTCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	HLTCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	LDGCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ03	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LGOCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	MSCCZ03	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	MSCCZ03	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	REFCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	REFCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	RETCZ03	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ03	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	RSTCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SCHCZ03	CON	2_LT_EXPS175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SMOCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ03	CON	1_LT_EXINC500	1	1	0	0.01
HID12I	GRCCZ03	CON	2_LT_EXPS175i	2	1	1	0.01
HID12I	HLTCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	REFCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ03	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ03	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	GRCCZ03	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	HLTCZ03	CON	1_LT_EXMV175	1	1	0	0
HID11MV	HLTCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LDGCZ03	CON	1_LT_EXMV175	1	1	1	0

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ03	CON	1_LT_EXMV175	1	1	1	0
HID11MV	LGOCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	MSCCZ03	CON	1_LT_EXMV175	1	1	1	0.19
HID11MV	MSCCZ03	CON	2_LT_EXMH100mv	2	1	0	0.19
HID11MV	REFCZ03	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ03	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RETCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RSTCZ03	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RSTCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	SCHCZ03	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	SCHCZ03	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	SMOCZ03	CON	1_LT_EXMV175	1	1	1	0.08
HID11MV	SMOCZ03	CON	2_LT_EXMH100mv	2	1	0	0.08
HID11MV	WRHCZ03	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	WRHCZ03	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11I	COLCZ03	CON	1_LT_EXINC300	1	1	0	0
HID11I	COLCZ03	CON	2_LT_EXMH100i	2	1	1	0
HID11I	GRCCZ03	CON	1_LT_EXINC300	1	1	0.19	0.05
HID11I	GRCCZ03	CON	2_LT_EXMH100i	2	1	0.81	0.05
HID11I	HLTCZ03	CON	1_LT_EXINC300	1	1	0	0.13
HID11I	HLTCZ03	CON	2_LT_EXMH100i	2	1	1	0.13
HID11I	LDGCZ03	CON	1_LT_EXINC300	1	1	0.02	0.05
HID11I	LDGCZ03	CON	2_LT_EXMH100i	2	1	0.98	0.05
HID11I	LGOCZ03	CON	1_LT_EXINC300	1	1	0.01	0.01
HID11I	LGOCZ03	CON	2_LT_EXMH100i	2	1	0.99	0.01
HID11I	MSCCZ03	CON	1_LT_EXINC300	1	1	0.06	0.06
HID11I	MSCCZ03	CON	2_LT_EXMH100i	2	1	0.94	0.06
HID11I	REFCZ03	CON	1_LT_EXINC300	1	1	0	0.01
HID11I	REFCZ03	CON	2_LT_EXMH100i	2	1	1	0.01
HID11I	RETCZ03	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ03	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ03	CON	1_LT_EXINC300	1	1	0.33	0.01
HID11I	RSTCZ03	CON	2_LT_EXMH100i	2	1	0.67	0.01

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ03	CON	1_LT_EXINC300	1	1	0.15	0.05
HID11I	SCHCZ03	CON	2_LT_EXMH100i	2	1	0.85	0.05
HID11I	SMOCZ03	CON	1_LT_EXINC300	1	1	0	0.32
HID11I	SMOCZ03	CON	2_LT_EXMH100i	2	1	1	0.32
HID11I	WRHCZ03	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	WRHCZ03	CON	2_LT_EXMH100i	2	1	1	0.02
FLUOR4A	COLCZ03	CON	1_LT_8T12	1	1	1	0.05
FLUOR4A	COLCZ03	CON	2_LT_8T82ndG	2	1	0	0.05
FLUOR4A	GRCCZ03	CON	1_LT_8T12	1	1	0.52	2.58
FLUOR4A	GRCCZ03	CON	2_LT_8T82ndG	2	1	0.48	2.58
FLUOR4A	HLTCZ03	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	HLTCZ03	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	LDGCZ03	CON	1_LT_8T12	1	1	1	0.02
FLUOR4A	LDGCZ03	CON	2_LT_8T82ndG	2	1	0	0.02
FLUOR4A	LGOCZ03	CON	1_LT_8T12	1	1	0.9	0.13
FLUOR4A	LGOCZ03	CON	2_LT_8T82ndG	2	1	0.1	0.13
FLUOR4A	MSCCZ03	CON	1_LT_8T12	1	1	0.98	1.22
FLUOR4A	MSCCZ03	CON	2_LT_8T82ndG	2	1	0.02	1.22
FLUOR4A	REFCZ03	CON	1_LT_8T12	1	1	0.97	1.17
FLUOR4A	REFCZ03	CON	2_LT_8T82ndG	2	1	0.03	1.17
FLUOR4A	RETCZ03	CON	1_LT_8T12	1	1	0.66	1.13
FLUOR4A	RETCZ03	CON	2_LT_8T82ndG	2	1	0.34	1.13
FLUOR4A	RSTCZ03	CON	1_LT_8T12	1	1	0.93	0.95
FLUOR4A	RSTCZ03	CON	2_LT_8T82ndG	2	1	0.07	0.95
FLUOR4A	SCHCZ03	CON	1_LT_8T12	1	1	0.9	0.53
FLUOR4A	SCHCZ03	CON	2_LT_8T82ndG	2	1	0.1	0.53
FLUOR4A	SMOCZ03	CON	1_LT_8T12	1	1	0.37	0.18
FLUOR4A	SMOCZ03	CON	2_LT_8T82ndG	2	1	0.63	0.18
FLUOR4A	WRHCZ03	CON	1_LT_8T12	1	1	0.99	1.79
FLUOR4A	WRHCZ03	CON	2_LT_8T82ndG	2	1	0.01	1.79
FLUOR1A	COLCZ03	CON	1_LT_4T12	1	1	0.6	7.5
FLUOR1A	COLCZ03	CON	2_LT_4T8_5	2	1	0.4	7.5
FLUOR1A	GRCCZ03	CON	1_LT_4T12	1	1	0.08	9.03
FLUOR1A	GRCCZ03	CON	2_LT_4T8_5	2	1	0.92	9.03
FLUOR1A	HLTCZ03	CON	1_LT_4T12	1	1	0.15	5.95

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ03	CON	2_LT_4T8_5	2	1	0.85	5.95
FLUOR1A	LDGCZ03	CON	1_LT_4T12	1	1	0.38	0.93
FLUOR1A	LDGCZ03	CON	2_LT_4T8_5	2	1	0.62	0.93
FLUOR1A	LGOCZ03	CON	1_LT_4T12	1	1	0.11	4.87
FLUOR1A	LGOCZ03	CON	2_LT_4T8_5	2	1	0.89	4.87
FLUOR1A	MSCCZ03	CON	1_LT_4T12	1	1	0.41	2.15
FLUOR1A	MSCCZ03	CON	2_LT_4T8_5	2	1	0.59	2.15
FLUOR1A	REFCZ03	CON	1_LT_4T12	1	1	0.43	0.88
FLUOR1A	REFCZ03	CON	2_LT_4T8_5	2	1	0.57	0.88
FLUOR1A	RETCZ03	CON	1_LT_4T12	1	1	0.13	4.27
FLUOR1A	RETCZ03	CON	2_LT_4T8_5	2	1	0.87	4.27
FLUOR1A	RSTCZ03	CON	1_LT_4T12	1	1	0.76	2.04
FLUOR1A	RSTCZ03	CON	2_LT_4T8_5	2	1	0.24	2.04
FLUOR1A	SCHCZ03	CON	1_LT_4T12	1	1	0.23	5.4
FLUOR1A	SCHCZ03	CON	2_LT_4T8_5	2	1	0.77	5.4
FLUOR1A	SMOCZ03	CON	1_LT_4T12	1	1	0.18	3.97
FLUOR1A	SMOCZ03	CON	2_LT_4T8_5	2	1	0.82	3.97
FLUOR1A	WRHCZ03	CON	1_LT_4T12	1	1	0.23	1.14
FLUOR1A	WRHCZ03	CON	2_LT_4T8_5	2	1	0.77	1.14
EXIT1	COLCZ03	RET	2_LT_EXLED	1	1	0.83	0.45
EXIT1	GRCCZ03	RET	2_LT_EXLED	1	1	0.64	0.22
EXIT1	HLTCZ03	RET	2_LT_EXLED	1	1	0.72	0.48
EXIT1	LDGCZ03	RET	2_LT_EXLED	1	1	0.04	0.38
EXIT1	LGOCZ03	RET	2_LT_EXLED	1	1	0.55	0.48
EXIT1	MSCCZ03	RET	2_LT_EXLED	1	1	0.56	0.55
EXIT1	REFCZ03	RET	2_LT_EXLED	1	1	0.44	0.14
EXIT1	RETCZ03	RET	2_LT_EXLED	1	1	0.29	0.27
EXIT1	RSTCZ03	RET	2_LT_EXLED	1	1	0.32	0.8
EXIT1	SCHCZ03	RET	2_LT_EXLED	1	1	0.48	0.24
EXIT1	SMOCZ03	RET	2_LT_EXLED	1	1	0.75	0.79
EXIT1	WRHCZ03	RET	2_LT_EXLED	1	1	0.84	0.16
DL1	COLCZ03	RET	2_LT_DLInst	1	0	0	47.3
DL1	GRCCZ03	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ03	RET	2_LT_DLInst	1	0	0	14.99
DL1	LDGCZ03	RET	2_LT_DLInst	1	0	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ03	RET	2_LT_DLInst	1	0.12	0	24.58
DL1	MSCCZ03	RET	2_LT_DLInst	1	0	0	31.64
DL1	REFCZ03	RET	2_LT_DLInst	1	0	0	12.54
DL1	RETCZ03	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ03	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ03	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ03	RET	2_LT_DLInst	1	0.07	0	31.41
DL1	WRHCZ03	RET	2_LT_DLInst	1	0.01	0	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ03	RET	2_LT_RFLCSpec8	1	0	0	6.71
RFLC2	GRCCZ03	RET	2_LT_RFLCSpec8	1	0.07	0	5.82
RFLC2	HLTCZ03	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LDGCZ03	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ03	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ03	RET	2_LT_RFLCSpec8	1	0.02	0	2.61
RFLC2	REFCZ03	RET	2_LT_RFLCSpec8	1	0	0	0.28
RFLC2	RETCZ03	RET	2_LT_RFLCSpec8	1	0.01	0	4.31
RFLC2	RSTCZ03	RET	2_LT_RFLCSpec8	1	0.01	0	3.77
RFLC2	SCHCZ03	RET	2_LT_RFLCSpec8	1	0.01	0	3.69
RFLC2	SMOCZ03	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	WRHCZ03	RET	2_LT_RFLCSpec8	1	0.01	0	1.84
RFLC1	COLCZ03	RET	2_LT_RFLCSpec4	1	0.39	0.01	5.75
RFLC1	GRCCZ03	RET	2_LT_RFLCSpec4	1	0.36	0	3.9
RFLC1	HLTCZ03	RET	2_LT_RFLCSpec4	1	0.41	0	6.21
RFLC1	LDGCZ03	RET	2_LT_RFLCSpec4	1	0.04	0	3.35
RFLC1	LGOCZ03	RET	2_LT_RFLCSpec4	1	0.62	0.04	8.24
RFLC1	MSCCZ03	RET	2_LT_RFLCSpec4	1	0.17	0	6.06
RFLC1	REFCZ03	RET	2_LT_RFLCSpec4	1	0.11	0	3.9
RFLC1	RETCZ03	RET	2_LT_RFLCSpec4	1	0.41	0.01	6.77
RFLC1	RSTCZ03	RET	2_LT_RFLCSpec4	1	0.24	0	8.85
RFLC1	SCHCZ03	RET	2_LT_RFLCSpec4	1	0.48	0	8.18
RFLC1	SMOCZ03	RET	2_LT_RFLCSpec4	1	0.44	0	7.13
RFLC1	WRHCZ03	RET	2_LT_RFLCSpec4	1	0.16	0	5.04
PC1	COLCZ03	CON	1_LT_PCNoCtrl	1	1	0.09	0.29
PC1	COLCZ03	CON	2_LT_PCPC	2	1	0.54	0.29
PC1	COLCZ03	CON	3_LT_PCTC	3	1	0.06	0.29
PC1	COLCZ03	CON	4_LT_PCPT	4	1	0.15	0.29
PC1	GRCCZ03	CON	1_LT_PCNoCtrl	1	1	0	1.31
PC1	GRCCZ03	CON	2_LT_PCPC	2	1	0.56	1.31
PC1	GRCCZ03	CON	3_LT_PCTC	3	1	0.19	1.31
PC1	GRCCZ03	CON	4_LT_PCPT	4	1	0.08	1.31
PC1	HLTCZ03	CON	1_LT_PCNoCtrl	1	1	0.01	0.35
PC1	HLTCZ03	CON	2_LT_PCPC	2	1	0.51	0.35
PC1	HLTCZ03	CON	3_LT_PCTC	3	1	0.28	0.35



PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ03	CON	4_LT_PCPT	4	1	0.06	0.35
PC1	LDGCZ03	CON	1_LT_PCNoCtrl	1	1	0.09	0.47
PC1	LDGCZ03	CON	2_LT_PCPC	2	1	0.58	0.47
PC1	LDGCZ03	CON	3_LT_PCTC	3	1	0.02	0.47
PC1	LDGCZ03	CON	4_LT_PCPT	4	1	0.15	0.47
PC1	LGOCZ03	CON	1_LT_PCNoCtrl	1	1	0	0.23
PC1	LGOCZ03	CON	2_LT_PCPC	2	1	0.45	0.23
PC1	LGOCZ03	CON	3_LT_PCTC	3	1	0.25	0.23
PC1	LGOCZ03	CON	4_LT_PCPT	4	1	0.14	0.23
PC1	MSCCZ03	CON	1_LT_PCNoCtrl	1	1	0.01	0.77
PC1	MSCCZ03	CON	2_LT_PCPC	2	1	0.44	0.77
PC1	MSCCZ03	CON	3_LT_PCTC	3	1	0.33	0.77
PC1	MSCCZ03	CON	4_LT_PCPT	4	1	0.1	0.77
PC1	REFCZ03	CON	1_LT_PCNoCtrl	1	1	0	0.18
PC1	REFCZ03	CON	2_LT_PCPC	2	1	0.66	0.18
PC1	REFCZ03	CON	3_LT_PCTC	3	1	0.19	0.18
PC1	REFCZ03	CON	4_LT_PCPT	4	1	0.11	0.18
PC1	RETCZ03	CON	1_LT_PCNoCtrl	1	1	0	0.57
PC1	RETCZ03	CON	2_LT_PCPC	2	1	0.32	0.57
PC1	RETCZ03	CON	3_LT_PCTC	3	1	0.21	0.57
PC1	RETCZ03	CON	4_LT_PCPT	4	1	0.2	0.57
PC1	RSTCZ03	CON	1_LT_PCNoCtrl	1	1	0	1.04
PC1	RSTCZ03	CON	2_LT_PCPC	2	1	0.3	1.04
PC1	RSTCZ03	CON	3_LT_PCTC	3	1	0.24	1.04
PC1	RSTCZ03	CON	4_LT_PCPT	4	1	0.15	1.04
PC1	SCHCZ03	CON	1_LT_PCNoCtrl	1	1	0	0.32
PC1	SCHCZ03	CON	2_LT_PCPC	2	1	0.28	0.32
PC1	SCHCZ03	CON	3_LT_PCTC	3	1	0.48	0.32
PC1	SCHCZ03	CON	4_LT_PCPT	4	1	0.16	0.32
PC1	SMOCZ03	CON	1_LT_PCNoCtrl	1	1	0.07	0.97
PC1	SMOCZ03	CON	2_LT_PCPC	2	1	0.35	0.97
PC1	SMOCZ03	CON	3_LT_PCTC	3	1	0.14	0.97
PC1	SMOCZ03	CON	4_LT_PCPT	4	1	0.08	0.97
PC1	WRHCZ03	CON	1_LT_PCNoCtrl	1	1	0	0.3
PC1	WRHCZ03	CON	2_LT_PCPC	2	1	0.61	0.3

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ03	CON	3_LT_PCTC	3	1	0.19	0.3
PC1	WRHCZ03	CON	4_LT_PCPT	4	1	0.1	0.3
OCC2	COLCZ03	RET	2_LT_OCCPCDInst	1	0.64	0	3.09
OCC2	GRCCZ03	RET	2_LT_OCCPCDInst	1	0.58	0	0.46
OCC2	HLTCZ03	RET	2_LT_OCCPCDInst	1	0.54	0	2.52
OCC2	LDGCZ03	RET	2_LT_OCCPCDInst	1	0.13	0	0.96
OCC2	LGOCZ03	RET	2_LT_OCCPCDInst	1	0.9	0	3.84
OCC2	MSCCZ03	RET	2_LT_OCCPCDInst	1	0.31	0	1.86
OCC2	REFCZ03	RET	2_LT_OCCPCDInst	1	0.28	0	0.92
OCC2	RETCZ03	RET	2_LT_OCCPCDInst	1	0.68	0	0.73
OCC2	RSTCZ03	RET	2_LT_OCCPCDInst	1	0.22	0	1.09
OCC2	SCHCZ03	RET	2_LT_OCCPCDInst	1	0.73	0	3.22
OCC2	SMOCZ03	RET	2_LT_OCCPCDInst	1	0.87	0	3.41
OCC2	WRHCZ03	RET	2_LT_OCCPCDInst	1	0.5	0	0.98
OCC1	COLCZ03	RET	2_LT_OCCMS	1	0.55	0.03	2.06
OCC1	GRCCZ03	RET	2_LT_OCCMS	1	0.1	0	1.68
OCC1	HLTCZ03	RET	2_LT_OCCMS	1	0.13	0	1.83
OCC1	LDGCZ03	RET	2_LT_OCCMS	1	0.04	0	1.21
OCC1	LGOCZ03	RET	2_LT_OCCMS	1	0.66	0.13	2.16
OCC1	MSCCZ03	RET	2_LT_OCCMS	1	0.21	0	1.51
OCC1	REFCZ03	RET	2_LT_OCCMS	1	0.33	0	0.75
OCC1	RETCZ03	RET	2_LT_OCCMS	1	0.17	0.01	1.6
OCC1	RSTCZ03	RET	2_LT_OCCMS	1	0.07	0	1.18
OCC1	SCHCZ03	RET	2_LT_OCCMS	1	0.67	0.02	2.56
OCC1	SMOCZ03	RET	2_LT_OCCMS	1	0.58	0	1.83
OCC1	WRHCZ03	RET	2_LT_OCCMS	1	0.64	0.03	1.08
INCAN6	COLCZ03	CON	1_LT_IRIP60	1	1	0.99	0.47
INCAN6	COLCZ03	CON	2_LT_CRC14s	2	1	0.01	0.47
INCAN6	GRCCZ03	CON	1_LT_IRIP60	1	1	1	0.59
INCAN6	GRCCZ03	CON	2_LT_CRC14s	2	1	0	0.59
INCAN6	HLTCZ03	CON	1_LT_IRIP60	1	1	0.95	0.79
INCAN6	HLTCZ03	CON	2_LT_CRC14s	2	1	0.05	0.79
INCAN6	LDGCZ03	CON	1_LT_IRIP60	1	1	0.59	0.41
INCAN6	LDGCZ03	CON	2_LT_CRC14s	2	1	0.41	0.41
INCAN6	LGOCZ03	CON	1_LT_IRIP60	1	1	0.91	0.22

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ03	CON	2_LT_CRC14s	2	1	0.09	0.22
INCAN6	MSCCZ03	CON	1_LT_IRIP60	1	1	0.95	0.15
INCAN6	MSCCZ03	CON	2_LT_CRC14s	2	1	0.05	0.15
INCAN6	REFCZ03	CON	1_LT_IRIP60	1	1	0.98	0.02
INCAN6	REFCZ03	CON	2_LT_CRC14s	2	1	0.02	0.02
INCAN6	RETCZ03	CON	1_LT_IRIP60	1	1	0.97	1.6
INCAN6	RETCZ03	CON	2_LT_CRC14s	2	1	0.03	1.6
INCAN6	RSTCZ03	CON	1_LT_IRIP60	1	1	0.92	1.52
INCAN6	RSTCZ03	CON	2_LT_CRC14s	2	1	0.08	1.52
INCAN6	SCHCZ03	CON	1_LT_IRIP60	1	1	0.85	0.1
INCAN6	SCHCZ03	CON	2_LT_CRC14s	2	1	0.15	0.1
INCAN6	SMOCZ03	CON	1_LT_IRIP60	1	1	1	1.5
INCAN6	SMOCZ03	CON	2_LT_CRC14s	2	1	0	1.5
INCAN6	WRHCZ03	CON	1_LT_IRIP60	1	1	0.95	0.04
INCAN6	WRHCZ03	CON	2_LT_CRC14s	2	1	0.05	0.04
INCAN5	COLCZ03	CON	1_LT_INC120	1	1	0.05	0.23
INCAN5	COLCZ03	CON	2_LT_CFL38s	2	1	0	0.23
INCAN5	COLCZ03	CON	3_LT_CFL38p	3	1	0.95	0.23
INCAN5	GRCCZ03	CON	1_LT_INC120	1	1	0.36	0.07
INCAN5	GRCCZ03	CON	2_LT_CFL38s	2	1	0.02	0.07
INCAN5	GRCCZ03	CON	3_LT_CFL38p	3	1	0.62	0.07
INCAN5	HLTCZ03	CON	1_LT_INC120	1	1	0.52	0.34
INCAN5	HLTCZ03	CON	2_LT_CFL38s	2	1	0.17	0.34
INCAN5	HLTCZ03	CON	3_LT_CFL38p	3	1	0.31	0.34
INCAN5	LDGCZ03	CON	1_LT_INC120	1	1	0.35	3.04
INCAN5	LDGCZ03	CON	2_LT_CFL38s	2	1	0.49	3.04
INCAN5	LDGCZ03	CON	3_LT_CFL38p	3	1	0.16	3.04
INCAN5	LGOCZ03	CON	1_LT_INC120	1	1	0.45	0.06
INCAN5	LGOCZ03	CON	2_LT_CFL38s	2	1	0.15	0.06
INCAN5	LGOCZ03	CON	3_LT_CFL38p	3	1	0.4	0.06
INCAN5	MSCCZ03	CON	1_LT_INC120	1	1	0.48	0.24
INCAN5	MSCCZ03	CON	2_LT_CFL38s	2	1	0.5	0.24
INCAN5	MSCCZ03	CON	3_LT_CFL38p	3	1	0.02	0.24
INCAN5	REFCZ03	CON	1_LT_INC120	1	1	1	0.07
INCAN5	REFCZ03	CON	2_LT_CFL38s	2	1	0	0.07

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ03	CON	3_LT_CFL38p	3	1	0	0.07
INCAN5	RETCZ03	CON	1_LT_INC120	1	1	0.38	0.19
INCAN5	RETCZ03	CON	2_LT_CFL38s	2	1	0.61	0.19
INCAN5	RETCZ03	CON	3_LT_CFL38p	3	1	0.02	0.19
INCAN5	RSTCZ03	CON	1_LT_INC120	1	1	1	0.57
INCAN5	RSTCZ03	CON	2_LT_CFL38s	2	1	0	0.57
INCAN5	RSTCZ03	CON	3_LT_CFL38p	3	1	0	0.57
INCAN5	SCHCZ03	CON	1_LT_INC120	1	1	0.29	0.29
INCAN5	SCHCZ03	CON	2_LT_CFL38s	2	1	0.03	0.29
INCAN5	SCHCZ03	CON	3_LT_CFL38p	3	1	0.68	0.29
INCAN5	SMOCZ03	CON	1_LT_INC120	1	1	1	0.29
INCAN5	SMOCZ03	CON	2_LT_CFL38s	2	1	0	0.29
INCAN5	SMOCZ03	CON	3_LT_CFL38p	3	1	0	0.29
INCAN5	WRHCZ03	CON	1_LT_INC120	1	1	1	0
INCAN5	WRHCZ03	CON	2_LT_CFL38s	2	1	0	0
INCAN5	WRHCZ03	CON	3_LT_CFL38p	3	1	0	0
INCAN3	COLCZ03	CON	1_LT_INC75	1	1	0.27	0.33
INCAN3	COLCZ03	CON	2_LT_CFL20s	2	1	0.55	0.33
INCAN3	COLCZ03	CON	3_LT_CFL20p	3	1	0.19	0.33
INCAN3	GRCCZ03	CON	1_LT_INC75	1	1	0.35	0.09
INCAN3	GRCCZ03	CON	2_LT_CFL20s	2	1	0.65	0.09
INCAN3	GRCCZ03	CON	3_LT_CFL20p	3	1	0	0.09
INCAN3	HLTCZ03	CON	1_LT_INC75	1	1	0.5	1.97
INCAN3	HLTCZ03	CON	2_LT_CFL20s	2	1	0.21	1.97
INCAN3	HLTCZ03	CON	3_LT_CFL20p	3	1	0.29	1.97
INCAN3	LDGCZ03	CON	1_LT_INC75	1	1	0.08	3.94
INCAN3	LDGCZ03	CON	2_LT_CFL20s	2	1	0.67	3.94
INCAN3	LDGCZ03	CON	3_LT_CFL20p	3	1	0.25	3.94
INCAN3	LGOCZ03	CON	1_LT_INC75	1	1	0.02	1.4
INCAN3	LGOCZ03	CON	2_LT_CFL20s	2	1	0.47	1.4
INCAN3	LGOCZ03	CON	3_LT_CFL20p	3	1	0.51	1.4
INCAN3	MSCCZ03	CON	1_LT_INC75	1	1	0.32	0.6
INCAN3	MSCCZ03	CON	2_LT_CFL20s	2	1	0.37	0.6
INCAN3	MSCCZ03	CON	3_LT_CFL20p	3	1	0.31	0.6
INCAN3	REFCZ03	CON	1_LT_INC75	1	1	0.83	0.03

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ03	CON	2_LT_CFL20s	2	1	0.17	0.03
INCAN3	REFCZ03	CON	3_LT_CFL20p	3	1	0	0.03
INCAN3	RETCZ03	CON	1_LT_INC75	1	1	0.2	0.37
INCAN3	RETCZ03	CON	2_LT_CFL20s	2	1	0.61	0.37
INCAN3	RETCZ03	CON	3_LT_CFL20p	3	1	0.19	0.37
INCAN3	RSTCZ03	CON	1_LT_INC75	1	1	0.49	2.85
INCAN3	RSTCZ03	CON	2_LT_CFL20s	2	1	0.41	2.85
INCAN3	RSTCZ03	CON	3_LT_CFL20p	3	1	0.11	2.85
INCAN3	SCHCZ03	CON	1_LT_INC75	1	1	0.64	0.09
INCAN3	SCHCZ03	CON	2_LT_CFL20s	2	1	0	0.09
INCAN3	SCHCZ03	CON	3_LT_CFL20p	3	1	0.36	0.09
INCAN3	SMOCZ03	CON	1_LT_INC75	1	1	0.04	0.8
INCAN3	SMOCZ03	CON	2_LT_CFL20s	2	1	0.25	0.8
INCAN3	SMOCZ03	CON	3_LT_CFL20p	3	1	0.71	0.8
INCAN3	WRHCZ03	CON	1_LT_INC75	1	1	0.12	0.06
INCAN3	WRHCZ03	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ03	CON	3_LT_CFL20p	3	1	0.7	0.06
INCAN2	COLCZ03	CON	1_LT_INC60	1	1	0.75	0.37
INCAN2	COLCZ03	CON	2_LT_CFL15s	2	1	0.16	0.37
INCAN2	COLCZ03	CON	3_LT_CFL15p	3	1	0.09	0.37
INCAN2	GRCCZ03	CON	1_LT_INC60	1	1	0.62	0.14
INCAN2	GRCCZ03	CON	2_LT_CFL15s	2	1	0.17	0.14
INCAN2	GRCCZ03	CON	3_LT_CFL15p	3	1	0.21	0.14
INCAN2	HLTCZ03	CON	1_LT_INC60	1	1	0.6	1.48
INCAN2	HLTCZ03	CON	2_LT_CFL15s	2	1	0.26	1.48
INCAN2	HLTCZ03	CON	3_LT_CFL15p	3	1	0.14	1.48
INCAN2	LDGCZ03	CON	1_LT_INC60	1	1	0.44	4.74
INCAN2	LDGCZ03	CON	2_LT_CFL15s	2	1	0.32	4.74
INCAN2	LDGCZ03	CON	3_LT_CFL15p	3	1	0.24	4.74
INCAN2	LGOCZ03	CON	1_LT_INC60	1	1	0.22	0.72
INCAN2	LGOCZ03	CON	2_LT_CFL15s	2	1	0.25	0.72
INCAN2	LGOCZ03	CON	3_LT_CFL15p	3	1	0.53	0.72
INCAN2	MSCCZ03	CON	1_LT_INC60	1	1	0.95	1.93
INCAN2	MSCCZ03	CON	2_LT_CFL15s	2	1	0.03	1.93
INCAN2	MSCCZ03	CON	3_LT_CFL15p	3	1	0.02	1.93

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ03	CON	1_LT_INC60	1	1	0.88	0.03
INCAN2	REFCZ03	CON	2_LT_CFL15s	2	1	0.12	0.03
INCAN2	REFCZ03	CON	3_LT_CFL15p	3	1	0	0.03
INCAN2	RETCZ03	CON	1_LT_INC60	1	1	0.12	0.96
INCAN2	RETCZ03	CON	2_LT_CFL15s	2	1	0.41	0.96
INCAN2	RETCZ03	CON	3_LT_CFL15p	3	1	0.47	0.96
INCAN2	RSTCZ03	CON	1_LT_INC60	1	1	0.56	2.69
INCAN2	RSTCZ03	CON	2_LT_CFL15s	2	1	0.4	2.69
INCAN2	RSTCZ03	CON	3_LT_CFL15p	3	1	0.04	2.69
INCAN2	SCHCZ03	CON	1_LT_INC60	1	1	0.53	0.4
INCAN2	SCHCZ03	CON	2_LT_CFL15s	2	1	0.35	0.4
INCAN2	SCHCZ03	CON	3_LT_CFL15p	3	1	0.12	0.4
INCAN2	SMOCZ03	CON	1_LT_INC60	1	1	0.92	0.51
INCAN2	SMOCZ03	CON	2_LT_CFL15s	2	1	0.01	0.51
INCAN2	SMOCZ03	CON	3_LT_CFL15p	3	1	0.07	0.51
INCAN2	WRHCZ03	CON	1_LT_INC60	1	1	0.82	0.09
INCAN2	WRHCZ03	CON	2_LT_CFL15s	2	1	0.18	0.09
INCAN2	WRHCZ03	CON	3_LT_CFL15p	3	1	0	0.09
INCAN1	COLCZ03	CON	1_LT_INC40	1	1	0.98	0.1
INCAN1	COLCZ03	CON	2_LT_CFL10_5s	2	1	0	0.1
INCAN1	COLCZ03	CON	3_LT_CFL10_5p	3	1	0.02	0.1
INCAN1	GRCCZ03	CON	1_LT_INC40	1	1	0.7	0.01
INCAN1	GRCCZ03	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	GRCCZ03	CON	3_LT_CFL10_5p	3	1	0.3	0.01
INCAN1	HLTCZ03	CON	1_LT_INC40	1	1	0.9	0.53
INCAN1	HLTCZ03	CON	2_LT_CFL10_5s	2	1	0.02	0.53
INCAN1	HLTCZ03	CON	3_LT_CFL10_5p	3	1	0.08	0.53
INCAN1	LDGCZ03	CON	1_LT_INC40	1	1	0.71	1.54
INCAN1	LDGCZ03	CON	2_LT_CFL10_5s	2	1	0.12	1.54
INCAN1	LDGCZ03	CON	3_LT_CFL10_5p	3	1	0.17	1.54
INCAN1	LGOCZ03	CON	1_LT_INC40	1	1	0.22	0.27
INCAN1	LGOCZ03	CON	2_LT_CFL10_5s	2	1	0.31	0.27
INCAN1	LGOCZ03	CON	3_LT_CFL10_5p	3	1	0.47	0.27
INCAN1	MSCCZ03	CON	1_LT_INC40	1	1	0.97	0.1
INCAN1	MSCCZ03	CON	2_LT_CFL10_5s	2	1	0.03	0.1

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ03	CON	3_LT_CFL10_5p	3	1	0	0.1
INCAN1	REFCZ03	CON	1_LT_INC40	1	1	1	0.01
INCAN1	REFCZ03	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	REFCZ03	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	RETCZ03	CON	1_LT_INC40	1	1	1	0.04
INCAN1	RETCZ03	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	RETCZ03	CON	3_LT_CFL10_5p	3	1	0	0.04
INCAN1	RSTCZ03	CON	1_LT_INC40	1	1	0.98	0.93
INCAN1	RSTCZ03	CON	2_LT_CFL10_5s	2	1	0	0.93
INCAN1	RSTCZ03	CON	3_LT_CFL10_5p	3	1	0.02	0.93
INCAN1	SCHCZ03	CON	1_LT_INC40	1	1	0.3	0.08
INCAN1	SCHCZ03	CON	2_LT_CFL10_5s	2	1	0	0.08
INCAN1	SCHCZ03	CON	3_LT_CFL10_5p	3	1	0.7	0.08
INCAN1	SMOCZ03	CON	1_LT_INC40	1	1	0.99	0.9
INCAN1	SMOCZ03	CON	2_LT_CFL10_5s	2	1	0.01	0.9
INCAN1	SMOCZ03	CON	3_LT_CFL10_5p	3	1	0	0.9
INCAN1	WRHCZ03	CON	1_LT_INC40	1	1	0.91	0.04
INCAN1	WRHCZ03	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	WRHCZ03	CON	3_LT_CFL10_5p	3	1	0.09	0.04
HID6	COLCZ03	CON	1_LT_MH400	1	1	0	4
HID6	COLCZ03	CON	2_LT_PS320	2	1	0	4
HID6	COLCZ03	CON	3_LT_HIDT5HO	3	1	0	4
HID6	GRCCZ03	CON	1_LT_MH400	1	1	0	2.76
HID6	GRCCZ03	CON	2_LT_PS320	2	1	0.01	2.76
HID6	GRCCZ03	CON	3_LT_HIDT5HO	3	1	0	2.76
HID6	HLTCZ03	CON	1_LT_MH400	1	1	0	0
HID6	HLTCZ03	CON	2_LT_PS320	2	1	0	0
HID6	HLTCZ03	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LDGCZ03	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ03	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ03	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ03	CON	1_LT_MH400	1	1	0	0.54
HID6	LGOCZ03	CON	2_LT_PS320	2	1	0	0.54
HID6	LGOCZ03	CON	3_LT_HIDT5HO	3	1	0	0.54
HID6	MSCCZ03	CON	1_LT_MH400	1	1	0.04	1.58

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ03	CON	2_LT_PS320	2	1	0	1.58
HID6	MSCCZ03	CON	3_LT_HIDT5HO	3	1	0	1.58
HID6	REFCZ03	CON	1_LT_MH400	1	1	0.09	5.96
HID6	REFCZ03	CON	2_LT_PS320	2	1	0	5.96
HID6	REFCZ03	CON	3_LT_HIDT5HO	3	1	0	5.96
HID6	RETCZ03	CON	1_LT_MH400	1	1	0.05	2.86
HID6	RETCZ03	CON	2_LT_PS320	2	1	0.03	2.86
HID6	RETCZ03	CON	3_LT_HIDT5HO	3	1	0	2.86
HID6	RSTCZ03	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ03	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ03	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ03	CON	1_LT_MH400	1	1	0.02	3.64
HID6	SCHCZ03	CON	2_LT_PS320	2	1	0	3.64
HID6	SCHCZ03	CON	3_LT_HIDT5HO	3	1	0	3.64
HID6	SMOCZ03	CON	1_LT_MH400	1	1	0.1	0.7
HID6	SMOCZ03	CON	2_LT_PS320	2	1	0	0.7
HID6	SMOCZ03	CON	3_LT_HIDT5HO	3	1	0	0.7
HID6	WRHCZ03	CON	1_LT_MH400	1	1	0.27	1.42
HID6	WRHCZ03	CON	2_LT_PS320	2	1	0.03	1.42
HID6	WRHCZ03	CON	3_LT_HIDT5HO	3	1	0	1.42
HID4MV	COLCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ03	CON	1_LT_MV400	1	1	0	7.27
HID4MV	MSCCZ03	CON	2_LT_MH250mv	2	1	0	7.27
HID4MV	REFCZ03	CON	1_LT_MV400	1	1	0.02	5.71
HID4MV	REFCZ03	CON	2_LT_MH250mv	2	1	0.07	5.71
HID4MV	RETCZ03	CON	1_LT_MV400	1	1	0	0



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	SCHCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SMOCZ03	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ03	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ03	CON	1_LT_MV400	1	1	0.01	4.46
HID4MV	WRHCZ03	CON	2_LT_MH250mv	2	1	0.01	4.46
HID4I	COLCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ03	CON	2_LT_MH250i	2	1	0.02	0.45
HID4I	GRCCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ03	CON	2_LT_MH250i	2	1	0.04	0.41
HID4I	HLTCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ03	CON	2_LT_MH250i	2	1	0	0.19
HID4I	LDGCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ03	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ03	CON	2_LT_MH250i	2	1	0	0.97
HID4I	MSCCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ03	CON	2_LT_MH250i	2	1	0.02	0.83
HID4I	REFCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ03	CON	2_LT_MH250i	2	1	0.04	3.95
HID4I	RETCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ03	CON	2_LT_MH250i	2	1	0.04	0.15
HID4I	RSTCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ03	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ03	CON	2_LT_MH250i	2	1	0.01	0.81
HID4I	SMOCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ03	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ03	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ03	CON	2_LT_MH250i	2	1	0.09	0.34
HID3MV	COLCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ03	CON	2_LT_MH175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	LDGCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LGOCZ03	CON	1_LT_MV250	1	1	0	7.22
HID3MV	LGOCZ03	CON	2_LT_MH175mv	2	1	0	7.22
HID3MV	MSCCZ03	CON	1_LT_MV250	1	1	0	48.77
HID3MV	MSCCZ03	CON	2_LT_MH175mv	2	1	0	48.77
HID3MV	REFCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	REFCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	RETCZ03	CON	1_LT_MV250	1	1	0.01	1.72
HID3MV	RETCZ03	CON	2_LT_MH175mv	2	1	0	1.72
HID3MV	RSTCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ03	CON	1_LT_MV250	1	1	0	0
HID3MV	WRHCZ03	CON	2_LT_MH175mv	2	1	0	0
HID3I	COLCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	GRCCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ03	CON	2_LT_MH175i	2	1	0.04	1.08
HID3I	HLTCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ03	CON	2_LT_MH175i	2	1	0	35.66
HID3I	LDGCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	MSCCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ03	CON	2_LT_MH175i	2	1	0.03	0.66
HID3I	REFCZ03	CON	1_LT_INC500i	1	1	0	0

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ03	CON	2_LT_MH175i	2	1	0	0.15
HID3I	RSTCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ03	CON	2_LT_MH175i	2	1	0	3.2
HID3I	SMOCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ03	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ03	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ03	CON	2_LT_MH175i	2	1	0	4.43
HID2MV	COLCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	GRCCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	HLTCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ03	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ03	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ03	CON	2_LT_MH100mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ03	CON	1_LT_INC300	1	1	0.01	10.1
HID2I	COLCZ03	CON	2_LT_MH100i	2	1	0	10.1
HID2I	GRCCZ03	CON	1_LT_INC300	1	1	0.04	3.16
HID2I	GRCCZ03	CON	2_LT_MH100i	2	1	0.02	3.16
HID2I	HLTCZ03	CON	1_LT_INC300	1	1	0.01	1.09
HID2I	HLTCZ03	CON	2_LT_MH100i	2	1	0.01	1.09
HID2I	LDGCZ03	CON	1_LT_INC300	1	1	0.03	2.1
HID2I	LDGCZ03	CON	2_LT_MH100i	2	1	0	2.1
HID2I	LGOCZ03	CON	1_LT_INC300	1	1	0	0
HID2I	LGOCZ03	CON	2_LT_MH100i	2	1	0	0
HID2I	MSCCZ03	CON	1_LT_INC300	1	1	0.02	0.58
HID2I	MSCCZ03	CON	2_LT_MH100i	2	1	0	0.58
HID2I	REFCZ03	CON	1_LT_INC300	1	1	0.01	1.45
HID2I	REFCZ03	CON	2_LT_MH100i	2	1	0.02	1.45
HID2I	RETCZ03	CON	1_LT_INC300	1	1	0.03	25.23
HID2I	RETCZ03	CON	2_LT_MH100i	2	1	0	25.23
HID2I	RSTCZ03	CON	1_LT_INC300	1	1	0	0
HID2I	RSTCZ03	CON	2_LT_MH100i	2	1	0	0
HID2I	SCHCZ03	CON	1_LT_INC300	1	1	0	1.39
HID2I	SCHCZ03	CON	2_LT_MH100i	2	1	0	1.39
HID2I	SMOCZ03	CON	1_LT_INC300	1	1	0	0
HID2I	SMOCZ03	CON	2_LT_MH100i	2	1	0	0
HID2I	WRHCZ03	CON	1_LT_INC300	1	1	0.05	0.08
HID2I	WRHCZ03	CON	2_LT_MH100i	2	1	0	0.08
HID1MV	COLCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	COLCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	GRCCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	HLTCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LDGCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ03	CON	1_LT_MV100	1	1	0	0.15
HID1MV	LGOCZ03	CON	2_LT_MH70mv	2	1	0	0.15
HID1MV	MSCCZ03	CON	1_LT_MV100	1	1	0	0.69

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ03	CON	2_LT_MH70mv	2	1	0	0.69
HID1MV	REFCZ03	CON	1_LT_MV100	1	1	0	7.93
HID1MV	REFCZ03	CON	2_LT_MH70mv	2	1	0	7.93
HID1MV	RETCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ03	CON	1_LT_MV100	1	1	0	0.84
HID1MV	RSTCZ03	CON	2_LT_MH70mv	2	1	0	0.84
HID1MV	SCHCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ03	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ03	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	COLCZ03	CON	2_LT_MH70i	2	1	0	0
HID1I	GRCCZ03	CON	1_LT_INC200	1	1	0	11.94
HID1I	GRCCZ03	CON	2_LT_MH70i	2	1	0	11.94
HID1I	HLTCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ03	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	LDGCZ03	CON	2_LT_MH70i	2	1	0	0
HID1I	LGOCZ03	CON	1_LT_INC200	1	1	0	6.03
HID1I	LGOCZ03	CON	2_LT_MH70i	2	1	0	6.03
HID1I	MSCCZ03	CON	1_LT_INC200	1	1	0.01	12.69
HID1I	MSCCZ03	CON	2_LT_MH70i	2	1	0	12.69
HID1I	REFCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ03	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ03	CON	1_LT_INC200	1	1	0	168.81
HID1I	RETCZ03	CON	2_LT_MH70i	2	1	0	168.81
HID1I	RSTCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ03	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ03	CON	1_LT_INC200	1	1	0.01	11.99
HID1I	SCHCZ03	CON	2_LT_MH70i	2	1	0	11.99
HID1I	SMOCZ03	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ03	CON	2_LT_MH70i	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ03	CON	1_LT_INC200	1	1	0	1.67
HID1I	WRHCZ03	CON	2_LT_MH70i	2	1	0	1.67
HID13MV	COLCZ03	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ03	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	GRCCZ03	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	HLTCZ03	CON	1_LT_EXMV400	1	1	0	0
HID13MV	HLTCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LDGCZ03	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ03	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ03	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	MSCCZ03	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	REFCZ03	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	REFCZ03	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13MV	RETCZ03	CON	1_LT_EXMV400	1	1	1	0.04
HID13MV	RETCZ03	CON	2_LT_EXPS250mv	2	1	0	0.04
HID13MV	RSTCZ03	CON	1_LT_EXMV400	1	1	0	0
HID13MV	RSTCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SCHCZ03	CON	1_LT_EXMV400	1	1	0	0
HID13MV	SCHCZ03	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ03	CON	1_LT_EXMV400	1	1	1	0.03
HID13MV	SMOCZ03	CON	2_LT_EXPS250mv	2	1	0	0.03
HID13MV	WRHCZ03	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	WRHCZ03	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13I	COLCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ03	CON	1_LT_EXINC700	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ03	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	MSCCZ03	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	REFCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ03	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RETCZ03	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	RSTCZ03	CON	1_LT_EXINC700	1	1	0	0.01
HID13I	RSTCZ03	CON	2_LT_EXPS250i	2	1	1	0.01
HID13I	SCHCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ03	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ03	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ03	CON	1_LT_EXMV250	1	1	1	0
HID12MV	COLCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ03	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	GRCCZ03	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	HLTCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	HLTCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	LDGCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ03	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LGOCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	MSCCZ03	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	MSCCZ03	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	REFCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	REFCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	RETCZ03	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ03	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	RSTCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SCHCZ03	CON	2_LT_EXPS175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SMOCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ03	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ03	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ03	CON	1_LT_EXINC500	1	1	0	0.01
HID12I	GRCCZ03	CON	2_LT_EXPS175i	2	1	1	0.01
HID12I	HLTCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	REFCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ03	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ03	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ03	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ03	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	GRCCZ03	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	HLTCZ03	CON	1_LT_EXMV175	1	1	0	0
HID11MV	HLTCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LDGCZ03	CON	1_LT_EXMV175	1	1	1	0



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ03	CON	1_LT_EXMV175	1	1	1	0
HID11MV	LGOCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	MSCCZ03	CON	1_LT_EXMV175	1	1	1	0.19
HID11MV	MSCCZ03	CON	2_LT_EXMH100mv	2	1	0	0.19
HID11MV	REFCZ03	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ03	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RETCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RSTCZ03	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RSTCZ03	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	SCHCZ03	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	SCHCZ03	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	SMOCZ03	CON	1_LT_EXMV175	1	1	1	0.08
HID11MV	SMOCZ03	CON	2_LT_EXMH100mv	2	1	0	0.08
HID11MV	WRHCZ03	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	WRHCZ03	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11I	COLCZ03	CON	1_LT_EXINC300	1	1	0	0
HID11I	COLCZ03	CON	2_LT_EXMH100i	2	1	1	0
HID11I	GRCCZ03	CON	1_LT_EXINC300	1	1	0.19	0.05
HID11I	GRCCZ03	CON	2_LT_EXMH100i	2	1	0.81	0.05
HID11I	HLTCZ03	CON	1_LT_EXINC300	1	1	0	0.13
HID11I	HLTCZ03	CON	2_LT_EXMH100i	2	1	1	0.13
HID11I	LDGCZ03	CON	1_LT_EXINC300	1	1	0.02	0.05
HID11I	LDGCZ03	CON	2_LT_EXMH100i	2	1	0.98	0.05
HID11I	LGOCZ03	CON	1_LT_EXINC300	1	1	0.01	0.01
HID11I	LGOCZ03	CON	2_LT_EXMH100i	2	1	0.99	0.01
HID11I	MSCCZ03	CON	1_LT_EXINC300	1	1	0.06	0.06
HID11I	MSCCZ03	CON	2_LT_EXMH100i	2	1	0.94	0.06
HID11I	REFCZ03	CON	1_LT_EXINC300	1	1	0	0.01
HID11I	REFCZ03	CON	2_LT_EXMH100i	2	1	1	0.01
HID11I	RETCZ03	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ03	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ03	CON	1_LT_EXINC300	1	1	0.33	0.01
HID11I	RSTCZ03	CON	2_LT_EXMH100i	2	1	0.67	0.01

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ03	CON	1_LT_EXINC300	1	1	0.15	0.05
HID11I	SCHCZ03	CON	2_LT_EXMH100i	2	1	0.85	0.05
HID11I	SMOCZ03	CON	1_LT_EXINC300	1	1	0	0.32
HID11I	SMOCZ03	CON	2_LT_EXMH100i	2	1	1	0.32
HID11I	WRHCZ03	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	WRHCZ03	CON	2_LT_EXMH100i	2	1	1	0.02
FLUOR4A	COLCZ03	CON	1_LT_8T12	1	1	1	0.05
FLUOR4A	COLCZ03	CON	2_LT_8T82ndG	2	1	0	0.05
FLUOR4A	GRCCZ03	CON	1_LT_8T12	1	1	0.52	2.58
FLUOR4A	GRCCZ03	CON	2_LT_8T82ndG	2	1	0.48	2.58
FLUOR4A	HLTCZ03	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	HLTCZ03	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	LDGCZ03	CON	1_LT_8T12	1	1	1	0.02
FLUOR4A	LDGCZ03	CON	2_LT_8T82ndG	2	1	0	0.02
FLUOR4A	LGOCZ03	CON	1_LT_8T12	1	1	0.9	0.13
FLUOR4A	LGOCZ03	CON	2_LT_8T82ndG	2	1	0.1	0.13
FLUOR4A	MSCCZ03	CON	1_LT_8T12	1	1	0.98	1.22
FLUOR4A	MSCCZ03	CON	2_LT_8T82ndG	2	1	0.02	1.22
FLUOR4A	REFCZ03	CON	1_LT_8T12	1	1	0.97	1.17
FLUOR4A	REFCZ03	CON	2_LT_8T82ndG	2	1	0.03	1.17
FLUOR4A	RETCZ03	CON	1_LT_8T12	1	1	0.66	1.13
FLUOR4A	RETCZ03	CON	2_LT_8T82ndG	2	1	0.34	1.13
FLUOR4A	RSTCZ03	CON	1_LT_8T12	1	1	0.93	0.95
FLUOR4A	RSTCZ03	CON	2_LT_8T82ndG	2	1	0.07	0.95
FLUOR4A	SCHCZ03	CON	1_LT_8T12	1	1	0.9	0.53
FLUOR4A	SCHCZ03	CON	2_LT_8T82ndG	2	1	0.1	0.53
FLUOR4A	SMOCZ03	CON	1_LT_8T12	1	1	0.37	0.18
FLUOR4A	SMOCZ03	CON	2_LT_8T82ndG	2	1	0.63	0.18
FLUOR4A	WRHCZ03	CON	1_LT_8T12	1	1	0.99	1.79
FLUOR4A	WRHCZ03	CON	2_LT_8T82ndG	2	1	0.01	1.79
FLUOR1A	COLCZ03	CON	1_LT_4T12	1	1	0.6	7.5
FLUOR1A	COLCZ03	CON	2_LT_4T8_5	2	1	0.4	7.5
FLUOR1A	GRCCZ03	CON	1_LT_4T12	1	1	0.08	9.03
FLUOR1A	GRCCZ03	CON	2_LT_4T8_5	2	1	0.92	9.03
FLUOR1A	HLTCZ03	CON	1_LT_4T12	1	1	0.15	5.95

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ03	CON	2_LT_4T8_5	2	1	0.85	5.95
FLUOR1A	LDGCZ03	CON	1_LT_4T12	1	1	0.38	0.93
FLUOR1A	LDGCZ03	CON	2_LT_4T8_5	2	1	0.62	0.93
FLUOR1A	LGOCZ03	CON	1_LT_4T12	1	1	0.11	4.87
FLUOR1A	LGOCZ03	CON	2_LT_4T8_5	2	1	0.89	4.87
FLUOR1A	MSCCZ03	CON	1_LT_4T12	1	1	0.41	2.15
FLUOR1A	MSCCZ03	CON	2_LT_4T8_5	2	1	0.59	2.15
FLUOR1A	REFCZ03	CON	1_LT_4T12	1	1	0.43	0.88
FLUOR1A	REFCZ03	CON	2_LT_4T8_5	2	1	0.57	0.88
FLUOR1A	RETCZ03	CON	1_LT_4T12	1	1	0.13	4.27
FLUOR1A	RETCZ03	CON	2_LT_4T8_5	2	1	0.87	4.27
FLUOR1A	RSTCZ03	CON	1_LT_4T12	1	1	0.76	2.04
FLUOR1A	RSTCZ03	CON	2_LT_4T8_5	2	1	0.24	2.04
FLUOR1A	SCHCZ03	CON	1_LT_4T12	1	1	0.23	5.4
FLUOR1A	SCHCZ03	CON	2_LT_4T8_5	2	1	0.77	5.4
FLUOR1A	SMOCZ03	CON	1_LT_4T12	1	1	0.18	3.97
FLUOR1A	SMOCZ03	CON	2_LT_4T8_5	2	1	0.82	3.97
FLUOR1A	WRHCZ03	CON	1_LT_4T12	1	1	0.23	1.14
FLUOR1A	WRHCZ03	CON	2_LT_4T8_5	2	1	0.77	1.14
EXIT1	COLCZ03	RET	2_LT_EXLED	1	1	0.83	0.45
EXIT1	GRCCZ03	RET	2_LT_EXLED	1	1	0.64	0.22
EXIT1	HLTCZ03	RET	2_LT_EXLED	1	1	0.72	0.48
EXIT1	LDGCZ03	RET	2_LT_EXLED	1	1	0.04	0.38
EXIT1	LGOCZ03	RET	2_LT_EXLED	1	1	0.55	0.48
EXIT1	MSCCZ03	RET	2_LT_EXLED	1	1	0.56	0.55
EXIT1	REFCZ03	RET	2_LT_EXLED	1	1	0.44	0.14
EXIT1	RETCZ03	RET	2_LT_EXLED	1	1	0.29	0.27
EXIT1	RSTCZ03	RET	2_LT_EXLED	1	1	0.32	0.8
EXIT1	SCHCZ03	RET	2_LT_EXLED	1	1	0.48	0.24
EXIT1	SMOCZ03	RET	2_LT_EXLED	1	1	0.75	0.79
EXIT1	WRHCZ03	RET	2_LT_EXLED	1	1	0.84	0.16
DL1	COLCZ03	RET	2_LT_DLInst	1	0	0	47.3
DL1	GRCCZ03	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ03	RET	2_LT_DLInst	1	0	0	14.99
DL1	LDGCZ03	RET	2_LT_DLInst	1	0	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ03	RET	2_LT_DLInst	1	0.12	0	24.58
DL1	MSCCZ03	RET	2_LT_DLInst	1	0	0	31.64
DL1	REFCZ03	RET	2_LT_DLInst	1	0	0	12.54
DL1	RETCZ03	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ03	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ03	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ03	RET	2_LT_DLInst	1	0.07	0	31.41
DL1	WRHCZ03	RET	2_LT_DLInst	1	0.01	0	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ04	RET	2_LT_RFLCSpec8	1	0	0	6.71
RFLC2	GRCCZ04	RET	2_LT_RFLCSpec8	1	0.07	0	5.82
RFLC2	HLTCZ04	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LDGCZ04	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ04	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ04	RET	2_LT_RFLCSpec8	1	0.02	0	2.61
RFLC2	REFCZ04	RET	2_LT_RFLCSpec8	1	0	0	0.28
RFLC2	RETCZ04	RET	2_LT_RFLCSpec8	1	0.01	0	4.31
RFLC2	RSTCZ04	RET	2_LT_RFLCSpec8	1	0.01	0	3.77
RFLC2	SCHCZ04	RET	2_LT_RFLCSpec8	1	0.01	0	3.69
RFLC2	SMOCZ04	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	WRHCZ04	RET	2_LT_RFLCSpec8	1	0.01	0	1.84
RFLC1	COLCZ04	RET	2_LT_RFLCSpec4	1	0.39	0.01	5.75
RFLC1	GRCCZ04	RET	2_LT_RFLCSpec4	1	0.36	0	3.9
RFLC1	HLTCZ04	RET	2_LT_RFLCSpec4	1	0.41	0	6.21
RFLC1	LDGCZ04	RET	2_LT_RFLCSpec4	1	0.04	0	3.35
RFLC1	LGOCZ04	RET	2_LT_RFLCSpec4	1	0.62	0.04	8.24
RFLC1	MSCCZ04	RET	2_LT_RFLCSpec4	1	0.17	0	6.06
RFLC1	REFCZ04	RET	2_LT_RFLCSpec4	1	0.11	0	3.9
RFLC1	RETCZ04	RET	2_LT_RFLCSpec4	1	0.41	0.01	6.77
RFLC1	RSTCZ04	RET	2_LT_RFLCSpec4	1	0.24	0	8.85
RFLC1	SCHCZ04	RET	2_LT_RFLCSpec4	1	0.48	0	8.18
RFLC1	SMOCZ04	RET	2_LT_RFLCSpec4	1	0.44	0	7.13
RFLC1	WRHCZ04	RET	2_LT_RFLCSpec4	1	0.16	0	5.04
PC1	COLCZ04	CON	1_LT_PCNoCtrl	1	1	0.09	0.29
PC1	COLCZ04	CON	2_LT_PCPC	2	1	0.54	0.29
PC1	COLCZ04	CON	3_LT_PCTC	3	1	0.06	0.29
PC1	COLCZ04	CON	4_LT_PCPT	4	1	0.15	0.29
PC1	GRCCZ04	CON	1_LT_PCNoCtrl	1	1	0	1.31
PC1	GRCCZ04	CON	2_LT_PCPC	2	1	0.56	1.31
PC1	GRCCZ04	CON	3_LT_PCTC	3	1	0.19	1.31
PC1	GRCCZ04	CON	4_LT_PCPT	4	1	0.08	1.31
PC1	HLTCZ04	CON	1_LT_PCNoCtrl	1	1	0.01	0.35
PC1	HLTCZ04	CON	2_LT_PCPC	2	1	0.51	0.35
PC1	HLTCZ04	CON	3_LT_PCTC	3	1	0.28	0.35

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ04	CON	4_LT_PCPT	4	1	0.06	0.35
PC1	LDGCZ04	CON	1_LT_PCNoCtrl	1	1	0.09	0.47
PC1	LDGCZ04	CON	2_LT_PCPC	2	1	0.58	0.47
PC1	LDGCZ04	CON	3_LT_PCTC	3	1	0.02	0.47
PC1	LDGCZ04	CON	4_LT_PCPT	4	1	0.15	0.47
PC1	LGOCZ04	CON	1_LT_PCNoCtrl	1	1	0	0.23
PC1	LGOCZ04	CON	2_LT_PCPC	2	1	0.45	0.23
PC1	LGOCZ04	CON	3_LT_PCTC	3	1	0.25	0.23
PC1	LGOCZ04	CON	4_LT_PCPT	4	1	0.14	0.23
PC1	MSCCZ04	CON	1_LT_PCNoCtrl	1	1	0.01	0.77
PC1	MSCCZ04	CON	2_LT_PCPC	2	1	0.44	0.77
PC1	MSCCZ04	CON	3_LT_PCTC	3	1	0.33	0.77
PC1	MSCCZ04	CON	4_LT_PCPT	4	1	0.1	0.77
PC1	REFCZ04	CON	1_LT_PCNoCtrl	1	1	0	0.18
PC1	REFCZ04	CON	2_LT_PCPC	2	1	0.66	0.18
PC1	REFCZ04	CON	3_LT_PCTC	3	1	0.19	0.18
PC1	REFCZ04	CON	4_LT_PCPT	4	1	0.11	0.18
PC1	RETCZ04	CON	1_LT_PCNoCtrl	1	1	0	0.57
PC1	RETCZ04	CON	2_LT_PCPC	2	1	0.32	0.57
PC1	RETCZ04	CON	3_LT_PCTC	3	1	0.21	0.57
PC1	RETCZ04	CON	4_LT_PCPT	4	1	0.2	0.57
PC1	RSTCZ04	CON	1_LT_PCNoCtrl	1	1	0	1.04
PC1	RSTCZ04	CON	2_LT_PCPC	2	1	0.3	1.04
PC1	RSTCZ04	CON	3_LT_PCTC	3	1	0.24	1.04
PC1	RSTCZ04	CON	4_LT_PCPT	4	1	0.15	1.04
PC1	SCHCZ04	CON	1_LT_PCNoCtrl	1	1	0	0.32
PC1	SCHCZ04	CON	2_LT_PCPC	2	1	0.28	0.32
PC1	SCHCZ04	CON	3_LT_PCTC	3	1	0.48	0.32
PC1	SCHCZ04	CON	4_LT_PCPT	4	1	0.16	0.32
PC1	SMOCZ04	CON	1_LT_PCNoCtrl	1	1	0.07	0.97
PC1	SMOCZ04	CON	2_LT_PCPC	2	1	0.35	0.97
PC1	SMOCZ04	CON	3_LT_PCTC	3	1	0.14	0.97
PC1	SMOCZ04	CON	4_LT_PCPT	4	1	0.08	0.97
PC1	WRHCZ04	CON	1_LT_PCNoCtrl	1	1	0	0.3
PC1	WRHCZ04	CON	2_LT_PCPC	2	1	0.61	0.3

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ04	CON	3_LT_PCTC	3	1	0.19	0.3
PC1	WRHCZ04	CON	4_LT_PCPT	4	1	0.1	0.3
OCC2	COLCZ04	RET	2_LT_OCCPCDInst	1	0.64	0	3.09
OCC2	GRCCZ04	RET	2_LT_OCCPCDInst	1	0.58	0	0.46
OCC2	HLTCZ04	RET	2_LT_OCCPCDInst	1	0.54	0	2.52
OCC2	LDGCZ04	RET	2_LT_OCCPCDInst	1	0.13	0	0.96
OCC2	LGOCZ04	RET	2_LT_OCCPCDInst	1	0.9	0	3.84
OCC2	MSCCZ04	RET	2_LT_OCCPCDInst	1	0.31	0	1.86
OCC2	REFCZ04	RET	2_LT_OCCPCDInst	1	0.28	0	0.92
OCC2	RETCZ04	RET	2_LT_OCCPCDInst	1	0.68	0	0.73
OCC2	RSTCZ04	RET	2_LT_OCCPCDInst	1	0.22	0	1.09
OCC2	SCHCZ04	RET	2_LT_OCCPCDInst	1	0.73	0	3.22
OCC2	SMOCZ04	RET	2_LT_OCCPCDInst	1	0.87	0	3.41
OCC2	WRHCZ04	RET	2_LT_OCCPCDInst	1	0.5	0	0.98
OCC1	COLCZ04	RET	2_LT_OCCMS	1	0.55	0.03	2.06
OCC1	GRCCZ04	RET	2_LT_OCCMS	1	0.1	0	1.68
OCC1	HLTCZ04	RET	2_LT_OCCMS	1	0.13	0	1.83
OCC1	LDGCZ04	RET	2_LT_OCCMS	1	0.04	0	1.21
OCC1	LGOCZ04	RET	2_LT_OCCMS	1	0.66	0.13	2.16
OCC1	MSCCZ04	RET	2_LT_OCCMS	1	0.21	0	1.51
OCC1	REFCZ04	RET	2_LT_OCCMS	1	0.33	0	0.75
OCC1	RETCZ04	RET	2_LT_OCCMS	1	0.17	0.01	1.6
OCC1	RSTCZ04	RET	2_LT_OCCMS	1	0.07	0	1.18
OCC1	SCHCZ04	RET	2_LT_OCCMS	1	0.67	0.02	2.56
OCC1	SMOCZ04	RET	2_LT_OCCMS	1	0.58	0	1.83
OCC1	WRHCZ04	RET	2_LT_OCCMS	1	0.64	0.03	1.08
INCAN6	COLCZ04	CON	1_LT_IRIP60	1	1	0.99	0.47
INCAN6	COLCZ04	CON	2_LT_CRC14s	2	1	0.01	0.47
INCAN6	GRCCZ04	CON	1_LT_IRIP60	1	1	1	0.59
INCAN6	GRCCZ04	CON	2_LT_CRC14s	2	1	0	0.59
INCAN6	HLTCZ04	CON	1_LT_IRIP60	1	1	0.95	0.79
INCAN6	HLTCZ04	CON	2_LT_CRC14s	2	1	0.05	0.79
INCAN6	LDGCZ04	CON	1_LT_IRIP60	1	1	0.59	0.41
INCAN6	LDGCZ04	CON	2_LT_CRC14s	2	1	0.41	0.41
INCAN6	LGOCZ04	CON	1_LT_IRIP60	1	1	0.91	0.22

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ04	CON	2_LT_CRC14s	2	1	0.09	0.22
INCAN6	MSCCZ04	CON	1_LT_IRIP60	1	1	0.95	0.15
INCAN6	MSCCZ04	CON	2_LT_CRC14s	2	1	0.05	0.15
INCAN6	REFCZ04	CON	1_LT_IRIP60	1	1	0.98	0.02
INCAN6	REFCZ04	CON	2_LT_CRC14s	2	1	0.02	0.02
INCAN6	RETCZ04	CON	1_LT_IRIP60	1	1	0.97	1.6
INCAN6	RETCZ04	CON	2_LT_CRC14s	2	1	0.03	1.6
INCAN6	RSTCZ04	CON	1_LT_IRIP60	1	1	0.92	1.52
INCAN6	RSTCZ04	CON	2_LT_CRC14s	2	1	0.08	1.52
INCAN6	SCHCZ04	CON	1_LT_IRIP60	1	1	0.85	0.1
INCAN6	SCHCZ04	CON	2_LT_CRC14s	2	1	0.15	0.1
INCAN6	SMOCZ04	CON	1_LT_IRIP60	1	1	1	1.5
INCAN6	SMOCZ04	CON	2_LT_CRC14s	2	1	0	1.5
INCAN6	WRHCZ04	CON	1_LT_IRIP60	1	1	0.95	0.04
INCAN6	WRHCZ04	CON	2_LT_CRC14s	2	1	0.05	0.04
INCAN5	COLCZ04	CON	1_LT_INC120	1	1	0.05	0.23
INCAN5	COLCZ04	CON	2_LT_CFL38s	2	1	0	0.23
INCAN5	COLCZ04	CON	3_LT_CFL38p	3	1	0.95	0.23
INCAN5	GRCCZ04	CON	1_LT_INC120	1	1	0.36	0.07
INCAN5	GRCCZ04	CON	2_LT_CFL38s	2	1	0.02	0.07
INCAN5	GRCCZ04	CON	3_LT_CFL38p	3	1	0.62	0.07
INCAN5	HLTCZ04	CON	1_LT_INC120	1	1	0.52	0.34
INCAN5	HLTCZ04	CON	2_LT_CFL38s	2	1	0.17	0.34
INCAN5	HLTCZ04	CON	3_LT_CFL38p	3	1	0.31	0.34
INCAN5	LDGCZ04	CON	1_LT_INC120	1	1	0.35	3.04
INCAN5	LDGCZ04	CON	2_LT_CFL38s	2	1	0.49	3.04
INCAN5	LDGCZ04	CON	3_LT_CFL38p	3	1	0.16	3.04
INCAN5	LGOCZ04	CON	1_LT_INC120	1	1	0.45	0.06
INCAN5	LGOCZ04	CON	2_LT_CFL38s	2	1	0.15	0.06
INCAN5	LGOCZ04	CON	3_LT_CFL38p	3	1	0.4	0.06
INCAN5	MSCCZ04	CON	1_LT_INC120	1	1	0.48	0.24
INCAN5	MSCCZ04	CON	2_LT_CFL38s	2	1	0.5	0.24
INCAN5	MSCCZ04	CON	3_LT_CFL38p	3	1	0.02	0.24
INCAN5	REFCZ04	CON	1_LT_INC120	1	1	1	0.07
INCAN5	REFCZ04	CON	2_LT_CFL38s	2	1	0	0.07



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ04	CON	3_LT_CFL38p	3	1	0	0.07
INCAN5	RETCZ04	CON	1_LT_INC120	1	1	0.38	0.19
INCAN5	RETCZ04	CON	2_LT_CFL38s	2	1	0.61	0.19
INCAN5	RETCZ04	CON	3_LT_CFL38p	3	1	0.02	0.19
INCAN5	RSTCZ04	CON	1_LT_INC120	1	1	1	0.57
INCAN5	RSTCZ04	CON	2_LT_CFL38s	2	1	0	0.57
INCAN5	RSTCZ04	CON	3_LT_CFL38p	3	1	0	0.57
INCAN5	SCHCZ04	CON	1_LT_INC120	1	1	0.29	0.29
INCAN5	SCHCZ04	CON	2_LT_CFL38s	2	1	0.03	0.29
INCAN5	SCHCZ04	CON	3_LT_CFL38p	3	1	0.68	0.29
INCAN5	SMOCZ04	CON	1_LT_INC120	1	1	1	0.29
INCAN5	SMOCZ04	CON	2_LT_CFL38s	2	1	0	0.29
INCAN5	SMOCZ04	CON	3_LT_CFL38p	3	1	0	0.29
INCAN5	WRHCZ04	CON	1_LT_INC120	1	1	1	0
INCAN5	WRHCZ04	CON	2_LT_CFL38s	2	1	0	0
INCAN5	WRHCZ04	CON	3_LT_CFL38p	3	1	0	0
INCAN3	COLCZ04	CON	1_LT_INC75	1	1	0.27	0.33
INCAN3	COLCZ04	CON	2_LT_CFL20s	2	1	0.55	0.33
INCAN3	COLCZ04	CON	3_LT_CFL20p	3	1	0.19	0.33
INCAN3	GRCCZ04	CON	1_LT_INC75	1	1	0.35	0.09
INCAN3	GRCCZ04	CON	2_LT_CFL20s	2	1	0.65	0.09
INCAN3	GRCCZ04	CON	3_LT_CFL20p	3	1	0	0.09
INCAN3	HLTCZ04	CON	1_LT_INC75	1	1	0.5	1.97
INCAN3	HLTCZ04	CON	2_LT_CFL20s	2	1	0.21	1.97
INCAN3	HLTCZ04	CON	3_LT_CFL20p	3	1	0.29	1.97
INCAN3	LDGCZ04	CON	1_LT_INC75	1	1	0.08	3.94
INCAN3	LDGCZ04	CON	2_LT_CFL20s	2	1	0.67	3.94
INCAN3	LDGCZ04	CON	3_LT_CFL20p	3	1	0.25	3.94
INCAN3	LGOCZ04	CON	1_LT_INC75	1	1	0.02	1.4
INCAN3	LGOCZ04	CON	2_LT_CFL20s	2	1	0.47	1.4
INCAN3	LGOCZ04	CON	3_LT_CFL20p	3	1	0.51	1.4
INCAN3	MSCCZ04	CON	1_LT_INC75	1	1	0.32	0.6
INCAN3	MSCCZ04	CON	2_LT_CFL20s	2	1	0.37	0.6
INCAN3	MSCCZ04	CON	3_LT_CFL20p	3	1	0.31	0.6
INCAN3	REFCZ04	CON	1_LT_INC75	1	1	0.83	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ04	CON	2_LT_CFL20s	2	1	0.17	0.03
INCAN3	REFCZ04	CON	3_LT_CFL20p	3	1	0	0.03
INCAN3	RETCZ04	CON	1_LT_INC75	1	1	0.2	0.37
INCAN3	RETCZ04	CON	2_LT_CFL20s	2	1	0.61	0.37
INCAN3	RETCZ04	CON	3_LT_CFL20p	3	1	0.19	0.37
INCAN3	RSTCZ04	CON	1_LT_INC75	1	1	0.49	2.85
INCAN3	RSTCZ04	CON	2_LT_CFL20s	2	1	0.41	2.85
INCAN3	RSTCZ04	CON	3_LT_CFL20p	3	1	0.11	2.85
INCAN3	SCHCZ04	CON	1_LT_INC75	1	1	0.64	0.09
INCAN3	SCHCZ04	CON	2_LT_CFL20s	2	1	0	0.09
INCAN3	SCHCZ04	CON	3_LT_CFL20p	3	1	0.36	0.09
INCAN3	SMOCZ04	CON	1_LT_INC75	1	1	0.04	0.8
INCAN3	SMOCZ04	CON	2_LT_CFL20s	2	1	0.25	0.8
INCAN3	SMOCZ04	CON	3_LT_CFL20p	3	1	0.71	0.8
INCAN3	WRHCZ04	CON	1_LT_INC75	1	1	0.12	0.06
INCAN3	WRHCZ04	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ04	CON	3_LT_CFL20p	3	1	0.7	0.06
INCAN2	COLCZ04	CON	1_LT_INC60	1	1	0.75	0.37
INCAN2	COLCZ04	CON	2_LT_CFL15s	2	1	0.16	0.37
INCAN2	COLCZ04	CON	3_LT_CFL15p	3	1	0.09	0.37
INCAN2	GRCCZ04	CON	1_LT_INC60	1	1	0.62	0.14
INCAN2	GRCCZ04	CON	2_LT_CFL15s	2	1	0.17	0.14
INCAN2	GRCCZ04	CON	3_LT_CFL15p	3	1	0.21	0.14
INCAN2	HLTCZ04	CON	1_LT_INC60	1	1	0.6	1.48
INCAN2	HLTCZ04	CON	2_LT_CFL15s	2	1	0.26	1.48
INCAN2	HLTCZ04	CON	3_LT_CFL15p	3	1	0.14	1.48
INCAN2	LDGCZ04	CON	1_LT_INC60	1	1	0.44	4.74
INCAN2	LDGCZ04	CON	2_LT_CFL15s	2	1	0.32	4.74
INCAN2	LDGCZ04	CON	3_LT_CFL15p	3	1	0.24	4.74
INCAN2	LGOCZ04	CON	1_LT_INC60	1	1	0.22	0.72
INCAN2	LGOCZ04	CON	2_LT_CFL15s	2	1	0.25	0.72
INCAN2	LGOCZ04	CON	3_LT_CFL15p	3	1	0.53	0.72
INCAN2	MSCCZ04	CON	1_LT_INC60	1	1	0.95	1.93
INCAN2	MSCCZ04	CON	2_LT_CFL15s	2	1	0.03	1.93
INCAN2	MSCCZ04	CON	3_LT_CFL15p	3	1	0.02	1.93

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ04	CON	1_LT_INC60	1	1	0.88	0.03
INCAN2	REFCZ04	CON	2_LT_CFL15s	2	1	0.12	0.03
INCAN2	REFCZ04	CON	3_LT_CFL15p	3	1	0	0.03
INCAN2	RETCZ04	CON	1_LT_INC60	1	1	0.12	0.96
INCAN2	RETCZ04	CON	2_LT_CFL15s	2	1	0.41	0.96
INCAN2	RETCZ04	CON	3_LT_CFL15p	3	1	0.47	0.96
INCAN2	RSTCZ04	CON	1_LT_INC60	1	1	0.56	2.69
INCAN2	RSTCZ04	CON	2_LT_CFL15s	2	1	0.4	2.69
INCAN2	RSTCZ04	CON	3_LT_CFL15p	3	1	0.04	2.69
INCAN2	SCHCZ04	CON	1_LT_INC60	1	1	0.53	0.4
INCAN2	SCHCZ04	CON	2_LT_CFL15s	2	1	0.35	0.4
INCAN2	SCHCZ04	CON	3_LT_CFL15p	3	1	0.12	0.4
INCAN2	SMOCZ04	CON	1_LT_INC60	1	1	0.92	0.51
INCAN2	SMOCZ04	CON	2_LT_CFL15s	2	1	0.01	0.51
INCAN2	SMOCZ04	CON	3_LT_CFL15p	3	1	0.07	0.51
INCAN2	WRHCZ04	CON	1_LT_INC60	1	1	0.82	0.09
INCAN2	WRHCZ04	CON	2_LT_CFL15s	2	1	0.18	0.09
INCAN2	WRHCZ04	CON	3_LT_CFL15p	3	1	0	0.09
INCAN1	COLCZ04	CON	1_LT_INC40	1	1	0.98	0.1
INCAN1	COLCZ04	CON	2_LT_CFL10_5s	2	1	0	0.1
INCAN1	COLCZ04	CON	3_LT_CFL10_5p	3	1	0.02	0.1
INCAN1	GRCCZ04	CON	1_LT_INC40	1	1	0.7	0.01
INCAN1	GRCCZ04	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	GRCCZ04	CON	3_LT_CFL10_5p	3	1	0.3	0.01
INCAN1	HLTCZ04	CON	1_LT_INC40	1	1	0.9	0.53
INCAN1	HLTCZ04	CON	2_LT_CFL10_5s	2	1	0.02	0.53
INCAN1	HLTCZ04	CON	3_LT_CFL10_5p	3	1	0.08	0.53
INCAN1	LDGCZ04	CON	1_LT_INC40	1	1	0.71	1.54
INCAN1	LDGCZ04	CON	2_LT_CFL10_5s	2	1	0.12	1.54
INCAN1	LDGCZ04	CON	3_LT_CFL10_5p	3	1	0.17	1.54
INCAN1	LGOCZ04	CON	1_LT_INC40	1	1	0.22	0.27
INCAN1	LGOCZ04	CON	2_LT_CFL10_5s	2	1	0.31	0.27
INCAN1	LGOCZ04	CON	3_LT_CFL10_5p	3	1	0.47	0.27
INCAN1	MSCCZ04	CON	1_LT_INC40	1	1	0.97	0.1
INCAN1	MSCCZ04	CON	2_LT_CFL10_5s	2	1	0.03	0.1

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ04	CON	3_LT_CFL10_5p	3	1	0	0.1
INCAN1	REFCZ04	CON	1_LT_INC40	1	1	1	0.01
INCAN1	REFCZ04	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	REFCZ04	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	RETCZ04	CON	1_LT_INC40	1	1	1	0.04
INCAN1	RETCZ04	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	RETCZ04	CON	3_LT_CFL10_5p	3	1	0	0.04
INCAN1	RSTCZ04	CON	1_LT_INC40	1	1	0.98	0.93
INCAN1	RSTCZ04	CON	2_LT_CFL10_5s	2	1	0	0.93
INCAN1	RSTCZ04	CON	3_LT_CFL10_5p	3	1	0.02	0.93
INCAN1	SCHCZ04	CON	1_LT_INC40	1	1	0.3	0.08
INCAN1	SCHCZ04	CON	2_LT_CFL10_5s	2	1	0	0.08
INCAN1	SCHCZ04	CON	3_LT_CFL10_5p	3	1	0.7	0.08
INCAN1	SMOCZ04	CON	1_LT_INC40	1	1	0.99	0.9
INCAN1	SMOCZ04	CON	2_LT_CFL10_5s	2	1	0.01	0.9
INCAN1	SMOCZ04	CON	3_LT_CFL10_5p	3	1	0	0.9
INCAN1	WRHCZ04	CON	1_LT_INC40	1	1	0.91	0.04
INCAN1	WRHCZ04	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	WRHCZ04	CON	3_LT_CFL10_5p	3	1	0.09	0.04
HID6	COLCZ04	CON	1_LT_MH400	1	1	0	4
HID6	COLCZ04	CON	2_LT_PS320	2	1	0	4
HID6	COLCZ04	CON	3_LT_HIDT5HO	3	1	0	4
HID6	GRCCZ04	CON	1_LT_MH400	1	1	0	2.76
HID6	GRCCZ04	CON	2_LT_PS320	2	1	0.01	2.76
HID6	GRCCZ04	CON	3_LT_HIDT5HO	3	1	0	2.76
HID6	HLTCZ04	CON	1_LT_MH400	1	1	0	0
HID6	HLTCZ04	CON	2_LT_PS320	2	1	0	0
HID6	HLTCZ04	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LDGCZ04	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ04	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ04	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ04	CON	1_LT_MH400	1	1	0	0.54
HID6	LGOCZ04	CON	2_LT_PS320	2	1	0	0.54
HID6	LGOCZ04	CON	3_LT_HIDT5HO	3	1	0	0.54
HID6	MSCCZ04	CON	1_LT_MH400	1	1	0.04	1.58

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ04	CON	2_LT_PS320	2	1	0	1.58
HID6	MSCCZ04	CON	3_LT_HIDT5HO	3	1	0	1.58
HID6	REFCZ04	CON	1_LT_MH400	1	1	0.09	5.96
HID6	REFCZ04	CON	2_LT_PS320	2	1	0	5.96
HID6	REFCZ04	CON	3_LT_HIDT5HO	3	1	0	5.96
HID6	RETCZ04	CON	1_LT_MH400	1	1	0.05	2.86
HID6	RETCZ04	CON	2_LT_PS320	2	1	0.03	2.86
HID6	RETCZ04	CON	3_LT_HIDT5HO	3	1	0	2.86
HID6	RSTCZ04	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ04	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ04	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ04	CON	1_LT_MH400	1	1	0.02	3.64
HID6	SCHCZ04	CON	2_LT_PS320	2	1	0	3.64
HID6	SCHCZ04	CON	3_LT_HIDT5HO	3	1	0	3.64
HID6	SMOCZ04	CON	1_LT_MH400	1	1	0.1	0.7
HID6	SMOCZ04	CON	2_LT_PS320	2	1	0	0.7
HID6	SMOCZ04	CON	3_LT_HIDT5HO	3	1	0	0.7
HID6	WRHCZ04	CON	1_LT_MH400	1	1	0.27	1.42
HID6	WRHCZ04	CON	2_LT_PS320	2	1	0.03	1.42
HID6	WRHCZ04	CON	3_LT_HIDT5HO	3	1	0	1.42
HID4MV	COLCZ04	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ04	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ04	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ04	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ04	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ04	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ04	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ04	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ04	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ04	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ04	CON	1_LT_MV400	1	1	0	7.27
HID4MV	MSCCZ04	CON	2_LT_MH250mv	2	1	0	7.27
HID4MV	REFCZ04	CON	1_LT_MV400	1	1	0.02	5.71
HID4MV	REFCZ04	CON	2_LT_MH250mv	2	1	0.07	5.71
HID4MV	RETCZ04	CON	1_LT_MV400	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ04	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ04	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ04	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ04	CON	1_LT_MV400	1	1	0	0
HID4MV	SCHCZ04	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SMOCZ04	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ04	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ04	CON	1_LT_MV400	1	1	0.01	4.46
HID4MV	WRHCZ04	CON	2_LT_MH250mv	2	1	0.01	4.46
HID4I	COLCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ04	CON	2_LT_MH250i	2	1	0.02	0.45
HID4I	GRCCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ04	CON	2_LT_MH250i	2	1	0.04	0.41
HID4I	HLTCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ04	CON	2_LT_MH250i	2	1	0	0.19
HID4I	LDGCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ04	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ04	CON	2_LT_MH250i	2	1	0	0.97
HID4I	MSCCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ04	CON	2_LT_MH250i	2	1	0.02	0.83
HID4I	REFCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ04	CON	2_LT_MH250i	2	1	0.04	3.95
HID4I	RETCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ04	CON	2_LT_MH250i	2	1	0.04	0.15
HID4I	RSTCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ04	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ04	CON	2_LT_MH250i	2	1	0.01	0.81
HID4I	SMOCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ04	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ04	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ04	CON	2_LT_MH250i	2	1	0.09	0.34
HID3MV	COLCZ04	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ04	CON	2_LT_MH175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ04	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ04	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ04	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ04	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ04	CON	1_LT_MV250	1	1	0	0
HID3MV	LDGCZ04	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LGOCZ04	CON	1_LT_MV250	1	1	0	7.22
HID3MV	LGOCZ04	CON	2_LT_MH175mv	2	1	0	7.22
HID3MV	MSCCZ04	CON	1_LT_MV250	1	1	0	48.77
HID3MV	MSCCZ04	CON	2_LT_MH175mv	2	1	0	48.77
HID3MV	REFCZ04	CON	1_LT_MV250	1	1	0	0
HID3MV	REFCZ04	CON	2_LT_MH175mv	2	1	0	0
HID3MV	RETCZ04	CON	1_LT_MV250	1	1	0.01	1.72
HID3MV	RETCZ04	CON	2_LT_MH175mv	2	1	0	1.72
HID3MV	RSTCZ04	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ04	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ04	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ04	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ04	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ04	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ04	CON	1_LT_MV250	1	1	0	0
HID3MV	WRHCZ04	CON	2_LT_MH175mv	2	1	0	0
HID3I	COLCZ04	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ04	CON	2_LT_MH175i	2	1	0	0
HID3I	GRCCZ04	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ04	CON	2_LT_MH175i	2	1	0.04	1.08
HID3I	HLTCZ04	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ04	CON	2_LT_MH175i	2	1	0	35.66
HID3I	LDGCZ04	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ04	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ04	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ04	CON	2_LT_MH175i	2	1	0	0
HID3I	MSCCZ04	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ04	CON	2_LT_MH175i	2	1	0.03	0.66
HID3I	REFCZ04	CON	1_LT_INC500i	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ04	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ04	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ04	CON	2_LT_MH175i	2	1	0	0.15
HID3I	RSTCZ04	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ04	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ04	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ04	CON	2_LT_MH175i	2	1	0	3.2
HID3I	SMOCZ04	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ04	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ04	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ04	CON	2_LT_MH175i	2	1	0	4.43
HID2MV	COLCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ04	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	GRCCZ04	CON	2_LT_MH100mv	2	1	0	0
HID2MV	HLTCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ04	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ04	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ04	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ04	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ04	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ04	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ04	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ04	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ04	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ04	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ04	CON	2_LT_MH100mv	2	1	0	0



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ04	CON	1_LT_INC300	1	1	0.01	10.1
HID2I	COLCZ04	CON	2_LT_MH100i	2	1	0	10.1
HID2I	GRCCZ04	CON	1_LT_INC300	1	1	0.04	3.16
HID2I	GRCCZ04	CON	2_LT_MH100i	2	1	0.02	3.16
HID2I	HLTCZ04	CON	1_LT_INC300	1	1	0.01	1.09
HID2I	HLTCZ04	CON	2_LT_MH100i	2	1	0.01	1.09
HID2I	LDGCZ04	CON	1_LT_INC300	1	1	0.03	2.1
HID2I	LDGCZ04	CON	2_LT_MH100i	2	1	0	2.1
HID2I	LGOCZ04	CON	1_LT_INC300	1	1	0	0
HID2I	LGOCZ04	CON	2_LT_MH100i	2	1	0	0
HID2I	MSCCZ04	CON	1_LT_INC300	1	1	0.02	0.58
HID2I	MSCCZ04	CON	2_LT_MH100i	2	1	0	0.58
HID2I	REFCZ04	CON	1_LT_INC300	1	1	0.01	1.45
HID2I	REFCZ04	CON	2_LT_MH100i	2	1	0.02	1.45
HID2I	RETCZ04	CON	1_LT_INC300	1	1	0.03	25.23
HID2I	RETCZ04	CON	2_LT_MH100i	2	1	0	25.23
HID2I	RSTCZ04	CON	1_LT_INC300	1	1	0	0
HID2I	RSTCZ04	CON	2_LT_MH100i	2	1	0	0
HID2I	SCHCZ04	CON	1_LT_INC300	1	1	0	1.39
HID2I	SCHCZ04	CON	2_LT_MH100i	2	1	0	1.39
HID2I	SMOCZ04	CON	1_LT_INC300	1	1	0	0
HID2I	SMOCZ04	CON	2_LT_MH100i	2	1	0	0
HID2I	WRHCZ04	CON	1_LT_INC300	1	1	0.05	0.08
HID2I	WRHCZ04	CON	2_LT_MH100i	2	1	0	0.08
HID1MV	COLCZ04	CON	1_LT_MV100	1	1	0	0
HID1MV	COLCZ04	CON	2_LT_MH70mv	2	1	0	0
HID1MV	GRCCZ04	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ04	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ04	CON	1_LT_MV100	1	1	0	0
HID1MV	HLTCZ04	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LDGCZ04	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ04	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ04	CON	1_LT_MV100	1	1	0	0.15
HID1MV	LGOCZ04	CON	2_LT_MH70mv	2	1	0	0.15
HID1MV	MSCCZ04	CON	1_LT_MV100	1	1	0	0.69

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

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HID1MV	MSCCZ04	CON	2_LT_MH70mv	2	1	0	0.69
HID1MV	REFCZ04	CON	1_LT_MV100	1	1	0	7.93
HID1MV	REFCZ04	CON	2_LT_MH70mv	2	1	0	7.93
HID1MV	RETCZ04	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ04	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ04	CON	1_LT_MV100	1	1	0	0.84
HID1MV	RSTCZ04	CON	2_LT_MH70mv	2	1	0	0.84
HID1MV	SCHCZ04	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ04	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ04	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ04	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ04	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ04	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ04	CON	1_LT_INC200	1	1	0	0
HID1I	COLCZ04	CON	2_LT_MH70i	2	1	0	0
HID1I	GRCCZ04	CON	1_LT_INC200	1	1	0	11.94
HID1I	GRCCZ04	CON	2_LT_MH70i	2	1	0	11.94
HID1I	HLTCZ04	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ04	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ04	CON	1_LT_INC200	1	1	0	0
HID1I	LDGCZ04	CON	2_LT_MH70i	2	1	0	0
HID1I	LGOCZ04	CON	1_LT_INC200	1	1	0	6.03
HID1I	LGOCZ04	CON	2_LT_MH70i	2	1	0	6.03
HID1I	MSCCZ04	CON	1_LT_INC200	1	1	0.01	12.69
HID1I	MSCCZ04	CON	2_LT_MH70i	2	1	0	12.69
HID1I	REFCZ04	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ04	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ04	CON	1_LT_INC200	1	1	0	168.81
HID1I	RETCZ04	CON	2_LT_MH70i	2	1	0	168.81
HID1I	RSTCZ04	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ04	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ04	CON	1_LT_INC200	1	1	0.01	11.99
HID1I	SCHCZ04	CON	2_LT_MH70i	2	1	0	11.99
HID1I	SMOCZ04	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ04	CON	2_LT_MH70i	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ04	CON	1_LT_INC200	1	1	0	1.67
HID1I	WRHCZ04	CON	2_LT_MH70i	2	1	0	1.67
HID13MV	COLCZ04	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ04	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ04	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	GRCCZ04	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	HLTCZ04	CON	1_LT_EXMV400	1	1	0	0
HID13MV	HLTCZ04	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LDGCZ04	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ04	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ04	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ04	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ04	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	MSCCZ04	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	REFCZ04	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	REFCZ04	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13MV	RETCZ04	CON	1_LT_EXMV400	1	1	1	0.04
HID13MV	RETCZ04	CON	2_LT_EXPS250mv	2	1	0	0.04
HID13MV	RSTCZ04	CON	1_LT_EXMV400	1	1	0	0
HID13MV	RSTCZ04	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SCHCZ04	CON	1_LT_EXMV400	1	1	0	0
HID13MV	SCHCZ04	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ04	CON	1_LT_EXMV400	1	1	1	0.03
HID13MV	SMOCZ04	CON	2_LT_EXPS250mv	2	1	0	0.03
HID13MV	WRHCZ04	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	WRHCZ04	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13I	COLCZ04	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ04	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ04	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ04	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ04	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ04	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ04	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ04	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ04	CON	1_LT_EXINC700	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ04	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ04	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	MSCCZ04	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	REFCZ04	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ04	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ04	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RETCZ04	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	RSTCZ04	CON	1_LT_EXINC700	1	1	0	0.01
HID13I	RSTCZ04	CON	2_LT_EXPS250i	2	1	1	0.01
HID13I	SCHCZ04	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ04	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ04	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ04	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ04	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ04	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ04	CON	1_LT_EXMV250	1	1	1	0
HID12MV	COLCZ04	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ04	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	GRCCZ04	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	HLTCZ04	CON	1_LT_EXMV250	1	1	0	0
HID12MV	HLTCZ04	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ04	CON	1_LT_EXMV250	1	1	0	0
HID12MV	LDGCZ04	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ04	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LGOCZ04	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	MSCCZ04	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	MSCCZ04	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	REFCZ04	CON	1_LT_EXMV250	1	1	0	0
HID12MV	REFCZ04	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	RETCZ04	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ04	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ04	CON	1_LT_EXMV250	1	1	0	0
HID12MV	RSTCZ04	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ04	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SCHCZ04	CON	2_LT_EXPS175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ04	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SMOCZ04	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ04	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ04	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ04	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ04	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ04	CON	1_LT_EXINC500	1	1	0	0.01
HID12I	GRCCZ04	CON	2_LT_EXPS175i	2	1	1	0.01
HID12I	HLTCZ04	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ04	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ04	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ04	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ04	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ04	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ04	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ04	CON	2_LT_EXPS175i	2	1	0	0
HID12I	REFCZ04	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ04	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ04	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ04	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ04	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ04	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ04	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ04	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ04	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ04	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ04	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ04	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ04	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ04	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ04	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	GRCCZ04	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	HLTCZ04	CON	1_LT_EXMV175	1	1	0	0
HID11MV	HLTCZ04	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LDGCZ04	CON	1_LT_EXMV175	1	1	1	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ04	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ04	CON	1_LT_EXMV175	1	1	1	0
HID11MV	LGOCZ04	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	MSCCZ04	CON	1_LT_EXMV175	1	1	1	0.19
HID11MV	MSCCZ04	CON	2_LT_EXMH100mv	2	1	0	0.19
HID11MV	REFCZ04	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ04	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ04	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RETCZ04	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RSTCZ04	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RSTCZ04	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	SCHCZ04	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	SCHCZ04	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	SMOCZ04	CON	1_LT_EXMV175	1	1	1	0.08
HID11MV	SMOCZ04	CON	2_LT_EXMH100mv	2	1	0	0.08
HID11MV	WRHCZ04	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	WRHCZ04	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11I	COLCZ04	CON	1_LT_EXINC300	1	1	0	0
HID11I	COLCZ04	CON	2_LT_EXMH100i	2	1	1	0
HID11I	GRCCZ04	CON	1_LT_EXINC300	1	1	0.19	0.05
HID11I	GRCCZ04	CON	2_LT_EXMH100i	2	1	0.81	0.05
HID11I	HLTCZ04	CON	1_LT_EXINC300	1	1	0	0.13
HID11I	HLTCZ04	CON	2_LT_EXMH100i	2	1	1	0.13
HID11I	LDGCZ04	CON	1_LT_EXINC300	1	1	0.02	0.05
HID11I	LDGCZ04	CON	2_LT_EXMH100i	2	1	0.98	0.05
HID11I	LGOCZ04	CON	1_LT_EXINC300	1	1	0.01	0.01
HID11I	LGOCZ04	CON	2_LT_EXMH100i	2	1	0.99	0.01
HID11I	MSCCZ04	CON	1_LT_EXINC300	1	1	0.06	0.06
HID11I	MSCCZ04	CON	2_LT_EXMH100i	2	1	0.94	0.06
HID11I	REFCZ04	CON	1_LT_EXINC300	1	1	0	0.01
HID11I	REFCZ04	CON	2_LT_EXMH100i	2	1	1	0.01
HID11I	RETCZ04	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ04	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ04	CON	1_LT_EXINC300	1	1	0.33	0.01
HID11I	RSTCZ04	CON	2_LT_EXMH100i	2	1	0.67	0.01

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ04	CON	1_LT_EXINC300	1	1	0.15	0.05
HID11I	SCHCZ04	CON	2_LT_EXMH100i	2	1	0.85	0.05
HID11I	SMOCZ04	CON	1_LT_EXINC300	1	1	0	0.32
HID11I	SMOCZ04	CON	2_LT_EXMH100i	2	1	1	0.32
HID11I	WRHCZ04	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	WRHCZ04	CON	2_LT_EXMH100i	2	1	1	0.02
FLUOR4A	COLCZ04	CON	1_LT_8T12	1	1	1	0.05
FLUOR4A	COLCZ04	CON	2_LT_8T82ndG	2	1	0	0.05
FLUOR4A	GRCCZ04	CON	1_LT_8T12	1	1	0.52	2.58
FLUOR4A	GRCCZ04	CON	2_LT_8T82ndG	2	1	0.48	2.58
FLUOR4A	HLTCZ04	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	HLTCZ04	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	LDGCZ04	CON	1_LT_8T12	1	1	1	0.02
FLUOR4A	LDGCZ04	CON	2_LT_8T82ndG	2	1	0	0.02
FLUOR4A	LGOCZ04	CON	1_LT_8T12	1	1	0.9	0.13
FLUOR4A	LGOCZ04	CON	2_LT_8T82ndG	2	1	0.1	0.13
FLUOR4A	MSCCZ04	CON	1_LT_8T12	1	1	0.98	1.22
FLUOR4A	MSCCZ04	CON	2_LT_8T82ndG	2	1	0.02	1.22
FLUOR4A	REFCZ04	CON	1_LT_8T12	1	1	0.97	1.17
FLUOR4A	REFCZ04	CON	2_LT_8T82ndG	2	1	0.03	1.17
FLUOR4A	RETCZ04	CON	1_LT_8T12	1	1	0.66	1.13
FLUOR4A	RETCZ04	CON	2_LT_8T82ndG	2	1	0.34	1.13
FLUOR4A	RSTCZ04	CON	1_LT_8T12	1	1	0.93	0.95
FLUOR4A	RSTCZ04	CON	2_LT_8T82ndG	2	1	0.07	0.95
FLUOR4A	SCHCZ04	CON	1_LT_8T12	1	1	0.9	0.53
FLUOR4A	SCHCZ04	CON	2_LT_8T82ndG	2	1	0.1	0.53
FLUOR4A	SMOCZ04	CON	1_LT_8T12	1	1	0.37	0.18
FLUOR4A	SMOCZ04	CON	2_LT_8T82ndG	2	1	0.63	0.18
FLUOR4A	WRHCZ04	CON	1_LT_8T12	1	1	0.99	1.79
FLUOR4A	WRHCZ04	CON	2_LT_8T82ndG	2	1	0.01	1.79
FLUOR1A	COLCZ04	CON	1_LT_4T12	1	1	0.6	7.5
FLUOR1A	COLCZ04	CON	2_LT_4T8_5	2	1	0.4	7.5
FLUOR1A	GRCCZ04	CON	1_LT_4T12	1	1	0.08	9.03
FLUOR1A	GRCCZ04	CON	2_LT_4T8_5	2	1	0.92	9.03
FLUOR1A	HLTCZ04	CON	1_LT_4T12	1	1	0.15	5.95

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ04	CON	2_LT_4T8_5	2	1	0.85	5.95
FLUOR1A	LDGCZ04	CON	1_LT_4T12	1	1	0.38	0.93
FLUOR1A	LDGCZ04	CON	2_LT_4T8_5	2	1	0.62	0.93
FLUOR1A	LGOCZ04	CON	1_LT_4T12	1	1	0.11	4.87
FLUOR1A	LGOCZ04	CON	2_LT_4T8_5	2	1	0.89	4.87
FLUOR1A	MSCCZ04	CON	1_LT_4T12	1	1	0.41	2.15
FLUOR1A	MSCCZ04	CON	2_LT_4T8_5	2	1	0.59	2.15
FLUOR1A	REFCZ04	CON	1_LT_4T12	1	1	0.43	0.88
FLUOR1A	REFCZ04	CON	2_LT_4T8_5	2	1	0.57	0.88
FLUOR1A	RETCZ04	CON	1_LT_4T12	1	1	0.13	4.27
FLUOR1A	RETCZ04	CON	2_LT_4T8_5	2	1	0.87	4.27
FLUOR1A	RSTCZ04	CON	1_LT_4T12	1	1	0.76	2.04
FLUOR1A	RSTCZ04	CON	2_LT_4T8_5	2	1	0.24	2.04
FLUOR1A	SCHCZ04	CON	1_LT_4T12	1	1	0.23	5.4
FLUOR1A	SCHCZ04	CON	2_LT_4T8_5	2	1	0.77	5.4
FLUOR1A	SMOCZ04	CON	1_LT_4T12	1	1	0.18	3.97
FLUOR1A	SMOCZ04	CON	2_LT_4T8_5	2	1	0.82	3.97
FLUOR1A	WRHCZ04	CON	1_LT_4T12	1	1	0.23	1.14
FLUOR1A	WRHCZ04	CON	2_LT_4T8_5	2	1	0.77	1.14
EXIT1	COLCZ04	RET	2_LT_EXLED	1	1	0.83	0.45
EXIT1	GRCCZ04	RET	2_LT_EXLED	1	1	0.64	0.22
EXIT1	HLTCZ04	RET	2_LT_EXLED	1	1	0.72	0.48
EXIT1	LDGCZ04	RET	2_LT_EXLED	1	1	0.04	0.38
EXIT1	LGOCZ04	RET	2_LT_EXLED	1	1	0.55	0.48
EXIT1	MSCCZ04	RET	2_LT_EXLED	1	1	0.56	0.55
EXIT1	REFCZ04	RET	2_LT_EXLED	1	1	0.44	0.14
EXIT1	RETCZ04	RET	2_LT_EXLED	1	1	0.29	0.27
EXIT1	RSTCZ04	RET	2_LT_EXLED	1	1	0.32	0.8
EXIT1	SCHCZ04	RET	2_LT_EXLED	1	1	0.48	0.24
EXIT1	SMOCZ04	RET	2_LT_EXLED	1	1	0.75	0.79
EXIT1	WRHCZ04	RET	2_LT_EXLED	1	1	0.84	0.16
DL1	COLCZ04	RET	2_LT_DLInst	1	0	0	47.3
DL1	GRCCZ04	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ04	RET	2_LT_DLInst	1	0	0	14.99
DL1	LDGCZ04	RET	2_LT_DLInst	1	0	0	0



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ04	RET	2_LT_DLInst	1	0.12	0	24.58
DL1	MSCCZ04	RET	2_LT_DLInst	1	0	0	31.64
DL1	REFCZ04	RET	2_LT_DLInst	1	0	0	12.54
DL1	RETCZ04	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ04	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ04	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ04	RET	2_LT_DLInst	1	0.07	0	31.41
DL1	WRHCZ04	RET	2_LT_DLInst	1	0.01	0	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ05	RET	2_LT_RFLCSpec8	1	0	0	6.71
RFLC2	GRCCZ05	RET	2_LT_RFLCSpec8	1	0.07	0	5.82
RFLC2	HLTCZ05	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LDGCZ05	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ05	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ05	RET	2_LT_RFLCSpec8	1	0.02	0	2.61
RFLC2	REFCZ05	RET	2_LT_RFLCSpec8	1	0	0	0.28
RFLC2	RETCZ05	RET	2_LT_RFLCSpec8	1	0.01	0	4.31
RFLC2	RSTCZ05	RET	2_LT_RFLCSpec8	1	0.01	0	3.77
RFLC2	SCHCZ05	RET	2_LT_RFLCSpec8	1	0.01	0	3.69
RFLC2	SMOCZ05	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	WRHCZ05	RET	2_LT_RFLCSpec8	1	0.01	0	1.84
RFLC1	COLCZ05	RET	2_LT_RFLCSpec4	1	0.39	0.01	5.75
RFLC1	GRCCZ05	RET	2_LT_RFLCSpec4	1	0.36	0	3.9
RFLC1	HLTCZ05	RET	2_LT_RFLCSpec4	1	0.41	0	6.21
RFLC1	LDGCZ05	RET	2_LT_RFLCSpec4	1	0.04	0	3.35
RFLC1	LGOCZ05	RET	2_LT_RFLCSpec4	1	0.62	0.04	8.24
RFLC1	MSCCZ05	RET	2_LT_RFLCSpec4	1	0.17	0	6.06
RFLC1	REFCZ05	RET	2_LT_RFLCSpec4	1	0.11	0	3.9
RFLC1	RETCZ05	RET	2_LT_RFLCSpec4	1	0.41	0.01	6.77
RFLC1	RSTCZ05	RET	2_LT_RFLCSpec4	1	0.24	0	8.85
RFLC1	SCHCZ05	RET	2_LT_RFLCSpec4	1	0.48	0	8.18
RFLC1	SMOCZ05	RET	2_LT_RFLCSpec4	1	0.44	0	7.13
RFLC1	WRHCZ05	RET	2_LT_RFLCSpec4	1	0.16	0	5.04
PC1	COLCZ05	CON	1_LT_PCNoCtrl	1	1	0.09	0.29
PC1	COLCZ05	CON	2_LT_PCPC	2	1	0.54	0.29
PC1	COLCZ05	CON	3_LT_PCTC	3	1	0.06	0.29
PC1	COLCZ05	CON	4_LT_PCPT	4	1	0.15	0.29
PC1	GRCCZ05	CON	1_LT_PCNoCtrl	1	1	0	1.31
PC1	GRCCZ05	CON	2_LT_PCPC	2	1	0.56	1.31
PC1	GRCCZ05	CON	3_LT_PCTC	3	1	0.19	1.31
PC1	GRCCZ05	CON	4_LT_PCPT	4	1	0.08	1.31
PC1	HLTCZ05	CON	1_LT_PCNoCtrl	1	1	0.01	0.35
PC1	HLTCZ05	CON	2_LT_PCPC	2	1	0.51	0.35
PC1	HLTCZ05	CON	3_LT_PCTC	3	1	0.28	0.35

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ05	CON	4_LT_PCPT	4	1	0.06	0.35
PC1	LDGCZ05	CON	1_LT_PCNoCtrl	1	1	0.09	0.47
PC1	LDGCZ05	CON	2_LT_PCPC	2	1	0.58	0.47
PC1	LDGCZ05	CON	3_LT_PCTC	3	1	0.02	0.47
PC1	LDGCZ05	CON	4_LT_PCPT	4	1	0.15	0.47
PC1	LGOCZ05	CON	1_LT_PCNoCtrl	1	1	0	0.23
PC1	LGOCZ05	CON	2_LT_PCPC	2	1	0.45	0.23
PC1	LGOCZ05	CON	3_LT_PCTC	3	1	0.25	0.23
PC1	LGOCZ05	CON	4_LT_PCPT	4	1	0.14	0.23
PC1	MSCCZ05	CON	1_LT_PCNoCtrl	1	1	0.01	0.77
PC1	MSCCZ05	CON	2_LT_PCPC	2	1	0.44	0.77
PC1	MSCCZ05	CON	3_LT_PCTC	3	1	0.33	0.77
PC1	MSCCZ05	CON	4_LT_PCPT	4	1	0.1	0.77
PC1	REFCZ05	CON	1_LT_PCNoCtrl	1	1	0	0.18
PC1	REFCZ05	CON	2_LT_PCPC	2	1	0.66	0.18
PC1	REFCZ05	CON	3_LT_PCTC	3	1	0.19	0.18
PC1	REFCZ05	CON	4_LT_PCPT	4	1	0.11	0.18
PC1	RETCZ05	CON	1_LT_PCNoCtrl	1	1	0	0.57
PC1	RETCZ05	CON	2_LT_PCPC	2	1	0.32	0.57
PC1	RETCZ05	CON	3_LT_PCTC	3	1	0.21	0.57
PC1	RETCZ05	CON	4_LT_PCPT	4	1	0.2	0.57
PC1	RSTCZ05	CON	1_LT_PCNoCtrl	1	1	0	1.04
PC1	RSTCZ05	CON	2_LT_PCPC	2	1	0.3	1.04
PC1	RSTCZ05	CON	3_LT_PCTC	3	1	0.24	1.04
PC1	RSTCZ05	CON	4_LT_PCPT	4	1	0.15	1.04
PC1	SCHCZ05	CON	1_LT_PCNoCtrl	1	1	0	0.32
PC1	SCHCZ05	CON	2_LT_PCPC	2	1	0.28	0.32
PC1	SCHCZ05	CON	3_LT_PCTC	3	1	0.48	0.32
PC1	SCHCZ05	CON	4_LT_PCPT	4	1	0.16	0.32
PC1	SMOCZ05	CON	1_LT_PCNoCtrl	1	1	0.07	0.97
PC1	SMOCZ05	CON	2_LT_PCPC	2	1	0.35	0.97
PC1	SMOCZ05	CON	3_LT_PCTC	3	1	0.14	0.97
PC1	SMOCZ05	CON	4_LT_PCPT	4	1	0.08	0.97
PC1	WRHCZ05	CON	1_LT_PCNoCtrl	1	1	0	0.3
PC1	WRHCZ05	CON	2_LT_PCPC	2	1	0.61	0.3

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ05	CON	3_LT_PCTC	3	1	0.19	0.3
PC1	WRHCZ05	CON	4_LT_PCPT	4	1	0.1	0.3
OCC2	COLCZ05	RET	2_LT_OCCPCDInst	1	0.64	0	3.09
OCC2	GRCCZ05	RET	2_LT_OCCPCDInst	1	0.58	0	0.46
OCC2	HLTCZ05	RET	2_LT_OCCPCDInst	1	0.54	0	2.52
OCC2	LDGCZ05	RET	2_LT_OCCPCDInst	1	0.13	0	0.96
OCC2	LGOCZ05	RET	2_LT_OCCPCDInst	1	0.9	0	3.84
OCC2	MSCCZ05	RET	2_LT_OCCPCDInst	1	0.31	0	1.86
OCC2	REFCZ05	RET	2_LT_OCCPCDInst	1	0.28	0	0.92
OCC2	RETCZ05	RET	2_LT_OCCPCDInst	1	0.68	0	0.73
OCC2	RSTCZ05	RET	2_LT_OCCPCDInst	1	0.22	0	1.09
OCC2	SCHCZ05	RET	2_LT_OCCPCDInst	1	0.73	0	3.22
OCC2	SMOCZ05	RET	2_LT_OCCPCDInst	1	0.87	0	3.41
OCC2	WRHCZ05	RET	2_LT_OCCPCDInst	1	0.5	0	0.98
OCC1	COLCZ05	RET	2_LT_OCCMS	1	0.55	0.03	2.06
OCC1	GRCCZ05	RET	2_LT_OCCMS	1	0.1	0	1.68
OCC1	HLTCZ05	RET	2_LT_OCCMS	1	0.13	0	1.83
OCC1	LDGCZ05	RET	2_LT_OCCMS	1	0.04	0	1.21
OCC1	LGOCZ05	RET	2_LT_OCCMS	1	0.66	0.13	2.16
OCC1	MSCCZ05	RET	2_LT_OCCMS	1	0.21	0	1.51
OCC1	REFCZ05	RET	2_LT_OCCMS	1	0.33	0	0.75
OCC1	RETCZ05	RET	2_LT_OCCMS	1	0.17	0.01	1.6
OCC1	RSTCZ05	RET	2_LT_OCCMS	1	0.07	0	1.18
OCC1	SCHCZ05	RET	2_LT_OCCMS	1	0.67	0.02	2.56
OCC1	SMOCZ05	RET	2_LT_OCCMS	1	0.58	0	1.83
OCC1	WRHCZ05	RET	2_LT_OCCMS	1	0.64	0.03	1.08
INCAN6	COLCZ05	CON	1_LT_IRIP60	1	1	0.99	0.47
INCAN6	COLCZ05	CON	2_LT_CRCP14s	2	1	0.01	0.47
INCAN6	GRCCZ05	CON	1_LT_IRIP60	1	1	1	0.59
INCAN6	GRCCZ05	CON	2_LT_CRCP14s	2	1	0	0.59
INCAN6	HLTCZ05	CON	1_LT_IRIP60	1	1	0.95	0.79
INCAN6	HLTCZ05	CON	2_LT_CRCP14s	2	1	0.05	0.79
INCAN6	LDGCZ05	CON	1_LT_IRIP60	1	1	0.59	0.41
INCAN6	LDGCZ05	CON	2_LT_CRCP14s	2	1	0.41	0.41
INCAN6	LGOCZ05	CON	1_LT_IRIP60	1	1	0.91	0.22

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ05	CON	2_LT_CRCP14s	2	1	0.09	0.22
INCAN6	MSCCZ05	CON	1_LT_IRIP60	1	1	0.95	0.15
INCAN6	MSCCZ05	CON	2_LT_CRCP14s	2	1	0.05	0.15
INCAN6	REFCZ05	CON	1_LT_IRIP60	1	1	0.98	0.02
INCAN6	REFCZ05	CON	2_LT_CRCP14s	2	1	0.02	0.02
INCAN6	RETCZ05	CON	1_LT_IRIP60	1	1	0.97	1.6
INCAN6	RETCZ05	CON	2_LT_CRCP14s	2	1	0.03	1.6
INCAN6	RSTCZ05	CON	1_LT_IRIP60	1	1	0.92	1.52
INCAN6	RSTCZ05	CON	2_LT_CRCP14s	2	1	0.08	1.52
INCAN6	SCHCZ05	CON	1_LT_IRIP60	1	1	0.85	0.1
INCAN6	SCHCZ05	CON	2_LT_CRCP14s	2	1	0.15	0.1
INCAN6	SMOCZ05	CON	1_LT_IRIP60	1	1	1	1.5
INCAN6	SMOCZ05	CON	2_LT_CRCP14s	2	1	0	1.5
INCAN6	WRHCZ05	CON	1_LT_IRIP60	1	1	0.95	0.04
INCAN6	WRHCZ05	CON	2_LT_CRCP14s	2	1	0.05	0.04
INCAN5	COLCZ05	CON	1_LT_INC120	1	1	0.05	0.23
INCAN5	COLCZ05	CON	2_LT_CFL38s	2	1	0	0.23
INCAN5	COLCZ05	CON	3_LT_CFL38p	3	1	0.95	0.23
INCAN5	GRCCZ05	CON	1_LT_INC120	1	1	0.36	0.07
INCAN5	GRCCZ05	CON	2_LT_CFL38s	2	1	0.02	0.07
INCAN5	GRCCZ05	CON	3_LT_CFL38p	3	1	0.62	0.07
INCAN5	HLTCZ05	CON	1_LT_INC120	1	1	0.52	0.34
INCAN5	HLTCZ05	CON	2_LT_CFL38s	2	1	0.17	0.34
INCAN5	HLTCZ05	CON	3_LT_CFL38p	3	1	0.31	0.34
INCAN5	LDGCZ05	CON	1_LT_INC120	1	1	0.35	3.04
INCAN5	LDGCZ05	CON	2_LT_CFL38s	2	1	0.49	3.04
INCAN5	LDGCZ05	CON	3_LT_CFL38p	3	1	0.16	3.04
INCAN5	LGOCZ05	CON	1_LT_INC120	1	1	0.45	0.06
INCAN5	LGOCZ05	CON	2_LT_CFL38s	2	1	0.15	0.06
INCAN5	LGOCZ05	CON	3_LT_CFL38p	3	1	0.4	0.06
INCAN5	MSCCZ05	CON	1_LT_INC120	1	1	0.48	0.24
INCAN5	MSCCZ05	CON	2_LT_CFL38s	2	1	0.5	0.24
INCAN5	MSCCZ05	CON	3_LT_CFL38p	3	1	0.02	0.24
INCAN5	REFCZ05	CON	1_LT_INC120	1	1	1	0.07
INCAN5	REFCZ05	CON	2_LT_CFL38s	2	1	0	0.07

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ05	CON	3_LT_CFL38p	3	1	0	0.07
INCAN5	RETCZ05	CON	1_LT_INC120	1	1	0.38	0.19
INCAN5	RETCZ05	CON	2_LT_CFL38s	2	1	0.61	0.19
INCAN5	RETCZ05	CON	3_LT_CFL38p	3	1	0.02	0.19
INCAN5	RSTCZ05	CON	1_LT_INC120	1	1	1	0.57
INCAN5	RSTCZ05	CON	2_LT_CFL38s	2	1	0	0.57
INCAN5	RSTCZ05	CON	3_LT_CFL38p	3	1	0	0.57
INCAN5	SCHCZ05	CON	1_LT_INC120	1	1	0.29	0.29
INCAN5	SCHCZ05	CON	2_LT_CFL38s	2	1	0.03	0.29
INCAN5	SCHCZ05	CON	3_LT_CFL38p	3	1	0.68	0.29
INCAN5	SMOCZ05	CON	1_LT_INC120	1	1	1	0.29
INCAN5	SMOCZ05	CON	2_LT_CFL38s	2	1	0	0.29
INCAN5	SMOCZ05	CON	3_LT_CFL38p	3	1	0	0.29
INCAN5	WRHCZ05	CON	1_LT_INC120	1	1	1	0
INCAN5	WRHCZ05	CON	2_LT_CFL38s	2	1	0	0
INCAN5	WRHCZ05	CON	3_LT_CFL38p	3	1	0	0
INCAN3	COLCZ05	CON	1_LT_INC75	1	1	0.27	0.33
INCAN3	COLCZ05	CON	2_LT_CFL20s	2	1	0.55	0.33
INCAN3	COLCZ05	CON	3_LT_CFL20p	3	1	0.19	0.33
INCAN3	GRCCZ05	CON	1_LT_INC75	1	1	0.35	0.09
INCAN3	GRCCZ05	CON	2_LT_CFL20s	2	1	0.65	0.09
INCAN3	GRCCZ05	CON	3_LT_CFL20p	3	1	0	0.09
INCAN3	HLTCZ05	CON	1_LT_INC75	1	1	0.5	1.97
INCAN3	HLTCZ05	CON	2_LT_CFL20s	2	1	0.21	1.97
INCAN3	HLTCZ05	CON	3_LT_CFL20p	3	1	0.29	1.97
INCAN3	LDGCZ05	CON	1_LT_INC75	1	1	0.08	3.94
INCAN3	LDGCZ05	CON	2_LT_CFL20s	2	1	0.67	3.94
INCAN3	LDGCZ05	CON	3_LT_CFL20p	3	1	0.25	3.94
INCAN3	LGOCZ05	CON	1_LT_INC75	1	1	0.02	1.4
INCAN3	LGOCZ05	CON	2_LT_CFL20s	2	1	0.47	1.4
INCAN3	LGOCZ05	CON	3_LT_CFL20p	3	1	0.51	1.4
INCAN3	MSCCZ05	CON	1_LT_INC75	1	1	0.32	0.6
INCAN3	MSCCZ05	CON	2_LT_CFL20s	2	1	0.37	0.6
INCAN3	MSCCZ05	CON	3_LT_CFL20p	3	1	0.31	0.6
INCAN3	REFCZ05	CON	1_LT_INC75	1	1	0.83	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

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INCAN3	REFCZ05	CON	2_LT_CFL20s	2	1	0.17	0.03
INCAN3	REFCZ05	CON	3_LT_CFL20p	3	1	0	0.03
INCAN3	RETCZ05	CON	1_LT_INC75	1	1	0.2	0.37
INCAN3	RETCZ05	CON	2_LT_CFL20s	2	1	0.61	0.37
INCAN3	RETCZ05	CON	3_LT_CFL20p	3	1	0.19	0.37
INCAN3	RSTCZ05	CON	1_LT_INC75	1	1	0.49	2.85
INCAN3	RSTCZ05	CON	2_LT_CFL20s	2	1	0.41	2.85
INCAN3	RSTCZ05	CON	3_LT_CFL20p	3	1	0.11	2.85
INCAN3	SCHCZ05	CON	1_LT_INC75	1	1	0.64	0.09
INCAN3	SCHCZ05	CON	2_LT_CFL20s	2	1	0	0.09
INCAN3	SCHCZ05	CON	3_LT_CFL20p	3	1	0.36	0.09
INCAN3	SMOCZ05	CON	1_LT_INC75	1	1	0.04	0.8
INCAN3	SMOCZ05	CON	2_LT_CFL20s	2	1	0.25	0.8
INCAN3	SMOCZ05	CON	3_LT_CFL20p	3	1	0.71	0.8
INCAN3	WRHCZ05	CON	1_LT_INC75	1	1	0.12	0.06
INCAN3	WRHCZ05	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ05	CON	3_LT_CFL20p	3	1	0.7	0.06
INCAN2	COLCZ05	CON	1_LT_INC60	1	1	0.75	0.37
INCAN2	COLCZ05	CON	2_LT_CFL15s	2	1	0.16	0.37
INCAN2	COLCZ05	CON	3_LT_CFL15p	3	1	0.09	0.37
INCAN2	GRCCZ05	CON	1_LT_INC60	1	1	0.62	0.14
INCAN2	GRCCZ05	CON	2_LT_CFL15s	2	1	0.17	0.14
INCAN2	GRCCZ05	CON	3_LT_CFL15p	3	1	0.21	0.14
INCAN2	HLTCZ05	CON	1_LT_INC60	1	1	0.6	1.48
INCAN2	HLTCZ05	CON	2_LT_CFL15s	2	1	0.26	1.48
INCAN2	HLTCZ05	CON	3_LT_CFL15p	3	1	0.14	1.48
INCAN2	LDGCZ05	CON	1_LT_INC60	1	1	0.44	4.74
INCAN2	LDGCZ05	CON	2_LT_CFL15s	2	1	0.32	4.74
INCAN2	LDGCZ05	CON	3_LT_CFL15p	3	1	0.24	4.74
INCAN2	LGOCZ05	CON	1_LT_INC60	1	1	0.22	0.72
INCAN2	LGOCZ05	CON	2_LT_CFL15s	2	1	0.25	0.72
INCAN2	LGOCZ05	CON	3_LT_CFL15p	3	1	0.53	0.72
INCAN2	MSCCZ05	CON	1_LT_INC60	1	1	0.95	1.93
INCAN2	MSCCZ05	CON	2_LT_CFL15s	2	1	0.03	1.93
INCAN2	MSCCZ05	CON	3_LT_CFL15p	3	1	0.02	1.93

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

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INCAN2	REFCZ05	CON	1_LT_INC60	1	1	0.88	0.03
INCAN2	REFCZ05	CON	2_LT_CFL15s	2	1	0.12	0.03
INCAN2	REFCZ05	CON	3_LT_CFL15p	3	1	0	0.03
INCAN2	RETCZ05	CON	1_LT_INC60	1	1	0.12	0.96
INCAN2	RETCZ05	CON	2_LT_CFL15s	2	1	0.41	0.96
INCAN2	RETCZ05	CON	3_LT_CFL15p	3	1	0.47	0.96
INCAN2	RSTCZ05	CON	1_LT_INC60	1	1	0.56	2.69
INCAN2	RSTCZ05	CON	2_LT_CFL15s	2	1	0.4	2.69
INCAN2	RSTCZ05	CON	3_LT_CFL15p	3	1	0.04	2.69
INCAN2	SCHCZ05	CON	1_LT_INC60	1	1	0.53	0.4
INCAN2	SCHCZ05	CON	2_LT_CFL15s	2	1	0.35	0.4
INCAN2	SCHCZ05	CON	3_LT_CFL15p	3	1	0.12	0.4
INCAN2	SMOCZ05	CON	1_LT_INC60	1	1	0.92	0.51
INCAN2	SMOCZ05	CON	2_LT_CFL15s	2	1	0.01	0.51
INCAN2	SMOCZ05	CON	3_LT_CFL15p	3	1	0.07	0.51
INCAN2	WRHCZ05	CON	1_LT_INC60	1	1	0.82	0.09
INCAN2	WRHCZ05	CON	2_LT_CFL15s	2	1	0.18	0.09
INCAN2	WRHCZ05	CON	3_LT_CFL15p	3	1	0	0.09
INCAN1	COLCZ05	CON	1_LT_INC40	1	1	0.98	0.1
INCAN1	COLCZ05	CON	2_LT_CFL10_5s	2	1	0	0.1
INCAN1	COLCZ05	CON	3_LT_CFL10_5p	3	1	0.02	0.1
INCAN1	GRCCZ05	CON	1_LT_INC40	1	1	0.7	0.01
INCAN1	GRCCZ05	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	GRCCZ05	CON	3_LT_CFL10_5p	3	1	0.3	0.01
INCAN1	HLTCZ05	CON	1_LT_INC40	1	1	0.9	0.53
INCAN1	HLTCZ05	CON	2_LT_CFL10_5s	2	1	0.02	0.53
INCAN1	HLTCZ05	CON	3_LT_CFL10_5p	3	1	0.08	0.53
INCAN1	LDGCZ05	CON	1_LT_INC40	1	1	0.71	1.54
INCAN1	LDGCZ05	CON	2_LT_CFL10_5s	2	1	0.12	1.54
INCAN1	LDGCZ05	CON	3_LT_CFL10_5p	3	1	0.17	1.54
INCAN1	LGOCZ05	CON	1_LT_INC40	1	1	0.22	0.27
INCAN1	LGOCZ05	CON	2_LT_CFL10_5s	2	1	0.31	0.27
INCAN1	LGOCZ05	CON	3_LT_CFL10_5p	3	1	0.47	0.27
INCAN1	MSCCZ05	CON	1_LT_INC40	1	1	0.97	0.1
INCAN1	MSCCZ05	CON	2_LT_CFL10_5s	2	1	0.03	0.1



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ05	CON	3_LT_CFL10_5p	3	1	0	0.1
INCAN1	REFCZ05	CON	1_LT_INC40	1	1	1	0.01
INCAN1	REFCZ05	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	REFCZ05	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	RETCZ05	CON	1_LT_INC40	1	1	1	0.04
INCAN1	RETCZ05	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	RETCZ05	CON	3_LT_CFL10_5p	3	1	0	0.04
INCAN1	RSTCZ05	CON	1_LT_INC40	1	1	0.98	0.93
INCAN1	RSTCZ05	CON	2_LT_CFL10_5s	2	1	0	0.93
INCAN1	RSTCZ05	CON	3_LT_CFL10_5p	3	1	0.02	0.93
INCAN1	SCHCZ05	CON	1_LT_INC40	1	1	0.3	0.08
INCAN1	SCHCZ05	CON	2_LT_CFL10_5s	2	1	0	0.08
INCAN1	SCHCZ05	CON	3_LT_CFL10_5p	3	1	0.7	0.08
INCAN1	SMOCZ05	CON	1_LT_INC40	1	1	0.99	0.9
INCAN1	SMOCZ05	CON	2_LT_CFL10_5s	2	1	0.01	0.9
INCAN1	SMOCZ05	CON	3_LT_CFL10_5p	3	1	0	0.9
INCAN1	WRHCZ05	CON	1_LT_INC40	1	1	0.91	0.04
INCAN1	WRHCZ05	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	WRHCZ05	CON	3_LT_CFL10_5p	3	1	0.09	0.04
HID6	COLCZ05	CON	1_LT_MH400	1	1	0	4
HID6	COLCZ05	CON	2_LT_PS320	2	1	0	4
HID6	COLCZ05	CON	3_LT_HIDT5HO	3	1	0	4
HID6	GRCCZ05	CON	1_LT_MH400	1	1	0	2.76
HID6	GRCCZ05	CON	2_LT_PS320	2	1	0.01	2.76
HID6	GRCCZ05	CON	3_LT_HIDT5HO	3	1	0	2.76
HID6	HLTCZ05	CON	1_LT_MH400	1	1	0	0
HID6	HLTCZ05	CON	2_LT_PS320	2	1	0	0
HID6	HLTCZ05	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LDGCZ05	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ05	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ05	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ05	CON	1_LT_MH400	1	1	0	0.54
HID6	LGOCZ05	CON	2_LT_PS320	2	1	0	0.54
HID6	LGOCZ05	CON	3_LT_HIDT5HO	3	1	0	0.54
HID6	MSCCZ05	CON	1_LT_MH400	1	1	0.04	1.58

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ05	CON	2_LT_PS320	2	1	0	1.58
HID6	MSCCZ05	CON	3_LT_HIDT5HO	3	1	0	1.58
HID6	REFCZ05	CON	1_LT_MH400	1	1	0.09	5.96
HID6	REFCZ05	CON	2_LT_PS320	2	1	0	5.96
HID6	REFCZ05	CON	3_LT_HIDT5HO	3	1	0	5.96
HID6	RETCZ05	CON	1_LT_MH400	1	1	0.05	2.86
HID6	RETCZ05	CON	2_LT_PS320	2	1	0.03	2.86
HID6	RETCZ05	CON	3_LT_HIDT5HO	3	1	0	2.86
HID6	RSTCZ05	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ05	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ05	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ05	CON	1_LT_MH400	1	1	0.02	3.64
HID6	SCHCZ05	CON	2_LT_PS320	2	1	0	3.64
HID6	SCHCZ05	CON	3_LT_HIDT5HO	3	1	0	3.64
HID6	SMOCZ05	CON	1_LT_MH400	1	1	0.1	0.7
HID6	SMOCZ05	CON	2_LT_PS320	2	1	0	0.7
HID6	SMOCZ05	CON	3_LT_HIDT5HO	3	1	0	0.7
HID6	WRHCZ05	CON	1_LT_MH400	1	1	0.27	1.42
HID6	WRHCZ05	CON	2_LT_PS320	2	1	0.03	1.42
HID6	WRHCZ05	CON	3_LT_HIDT5HO	3	1	0	1.42
HID4MV	COLCZ05	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ05	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ05	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ05	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ05	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ05	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ05	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ05	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ05	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ05	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ05	CON	1_LT_MV400	1	1	0	7.27
HID4MV	MSCCZ05	CON	2_LT_MH250mv	2	1	0	7.27
HID4MV	REFCZ05	CON	1_LT_MV400	1	1	0.02	5.71
HID4MV	REFCZ05	CON	2_LT_MH250mv	2	1	0.07	5.71
HID4MV	RETCZ05	CON	1_LT_MV400	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ05	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ05	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ05	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ05	CON	1_LT_MV400	1	1	0	0
HID4MV	SCHCZ05	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SMOCZ05	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ05	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ05	CON	1_LT_MV400	1	1	0.01	4.46
HID4MV	WRHCZ05	CON	2_LT_MH250mv	2	1	0.01	4.46
HID4I	COLCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ05	CON	2_LT_MH250i	2	1	0.02	0.45
HID4I	GRCCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ05	CON	2_LT_MH250i	2	1	0.04	0.41
HID4I	HLTCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ05	CON	2_LT_MH250i	2	1	0	0.19
HID4I	LDGCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ05	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ05	CON	2_LT_MH250i	2	1	0	0.97
HID4I	MSCCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ05	CON	2_LT_MH250i	2	1	0.02	0.83
HID4I	REFCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ05	CON	2_LT_MH250i	2	1	0.04	3.95
HID4I	RETCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ05	CON	2_LT_MH250i	2	1	0.04	0.15
HID4I	RSTCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ05	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ05	CON	2_LT_MH250i	2	1	0.01	0.81
HID4I	SMOCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ05	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ05	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ05	CON	2_LT_MH250i	2	1	0.09	0.34
HID3MV	COLCZ05	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ05	CON	2_LT_MH175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ05	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ05	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ05	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ05	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ05	CON	1_LT_MV250	1	1	0	0
HID3MV	LDGCZ05	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LGOCZ05	CON	1_LT_MV250	1	1	0	7.22
HID3MV	LGOCZ05	CON	2_LT_MH175mv	2	1	0	7.22
HID3MV	MSCCZ05	CON	1_LT_MV250	1	1	0	48.77
HID3MV	MSCCZ05	CON	2_LT_MH175mv	2	1	0	48.77
HID3MV	REFCZ05	CON	1_LT_MV250	1	1	0	0
HID3MV	REFCZ05	CON	2_LT_MH175mv	2	1	0	0
HID3MV	RETCZ05	CON	1_LT_MV250	1	1	0.01	1.72
HID3MV	RETCZ05	CON	2_LT_MH175mv	2	1	0	1.72
HID3MV	RSTCZ05	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ05	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ05	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ05	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ05	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ05	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ05	CON	1_LT_MV250	1	1	0	0
HID3MV	WRHCZ05	CON	2_LT_MH175mv	2	1	0	0
HID3I	COLCZ05	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ05	CON	2_LT_MH175i	2	1	0	0
HID3I	GRCCZ05	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ05	CON	2_LT_MH175i	2	1	0.04	1.08
HID3I	HLTCZ05	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ05	CON	2_LT_MH175i	2	1	0	35.66
HID3I	LDGCZ05	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ05	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ05	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ05	CON	2_LT_MH175i	2	1	0	0
HID3I	MSCCZ05	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ05	CON	2_LT_MH175i	2	1	0.03	0.66
HID3I	REFCZ05	CON	1_LT_INC500i	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ05	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ05	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ05	CON	2_LT_MH175i	2	1	0	0.15
HID3I	RSTCZ05	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ05	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ05	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ05	CON	2_LT_MH175i	2	1	0	3.2
HID3I	SMOCZ05	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ05	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ05	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ05	CON	2_LT_MH175i	2	1	0	4.43
HID2MV	COLCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ05	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	GRCCZ05	CON	2_LT_MH100mv	2	1	0	0
HID2MV	HLTCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ05	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ05	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ05	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ05	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ05	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ05	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ05	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ05	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ05	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ05	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ05	CON	2_LT_MH100mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ05	CON	1_LT_INC300	1	1	0.01	10.1
HID2I	COLCZ05	CON	2_LT_MH100i	2	1	0	10.1
HID2I	GRCCZ05	CON	1_LT_INC300	1	1	0.04	3.16
HID2I	GRCCZ05	CON	2_LT_MH100i	2	1	0.02	3.16
HID2I	HLTCZ05	CON	1_LT_INC300	1	1	0.01	1.09
HID2I	HLTCZ05	CON	2_LT_MH100i	2	1	0.01	1.09
HID2I	LDGCZ05	CON	1_LT_INC300	1	1	0.03	2.1
HID2I	LDGCZ05	CON	2_LT_MH100i	2	1	0	2.1
HID2I	LGOCZ05	CON	1_LT_INC300	1	1	0	0
HID2I	LGOCZ05	CON	2_LT_MH100i	2	1	0	0
HID2I	MSCCZ05	CON	1_LT_INC300	1	1	0.02	0.58
HID2I	MSCCZ05	CON	2_LT_MH100i	2	1	0	0.58
HID2I	REFCZ05	CON	1_LT_INC300	1	1	0.01	1.45
HID2I	REFCZ05	CON	2_LT_MH100i	2	1	0.02	1.45
HID2I	RETCZ05	CON	1_LT_INC300	1	1	0.03	25.23
HID2I	RETCZ05	CON	2_LT_MH100i	2	1	0	25.23
HID2I	RSTCZ05	CON	1_LT_INC300	1	1	0	0
HID2I	RSTCZ05	CON	2_LT_MH100i	2	1	0	0
HID2I	SCHCZ05	CON	1_LT_INC300	1	1	0	1.39
HID2I	SCHCZ05	CON	2_LT_MH100i	2	1	0	1.39
HID2I	SMOCZ05	CON	1_LT_INC300	1	1	0	0
HID2I	SMOCZ05	CON	2_LT_MH100i	2	1	0	0
HID2I	WRHCZ05	CON	1_LT_INC300	1	1	0.05	0.08
HID2I	WRHCZ05	CON	2_LT_MH100i	2	1	0	0.08
HID1MV	COLCZ05	CON	1_LT_MV100	1	1	0	0
HID1MV	COLCZ05	CON	2_LT_MH70mv	2	1	0	0
HID1MV	GRCCZ05	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ05	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ05	CON	1_LT_MV100	1	1	0	0
HID1MV	HLTCZ05	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LDGCZ05	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ05	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ05	CON	1_LT_MV100	1	1	0	0.15
HID1MV	LGOCZ05	CON	2_LT_MH70mv	2	1	0	0.15
HID1MV	MSCCZ05	CON	1_LT_MV100	1	1	0	0.69

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ05	CON	2_LT_MH70mv	2	1	0	0.69
HID1MV	REFCZ05	CON	1_LT_MV100	1	1	0	7.93
HID1MV	REFCZ05	CON	2_LT_MH70mv	2	1	0	7.93
HID1MV	RETCZ05	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ05	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ05	CON	1_LT_MV100	1	1	0	0.84
HID1MV	RSTCZ05	CON	2_LT_MH70mv	2	1	0	0.84
HID1MV	SCHCZ05	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ05	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ05	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ05	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ05	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ05	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ05	CON	1_LT_INC200	1	1	0	0
HID1I	COLCZ05	CON	2_LT_MH70i	2	1	0	0
HID1I	GRCCZ05	CON	1_LT_INC200	1	1	0	11.94
HID1I	GRCCZ05	CON	2_LT_MH70i	2	1	0	11.94
HID1I	HLTCZ05	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ05	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ05	CON	1_LT_INC200	1	1	0	0
HID1I	LDGCZ05	CON	2_LT_MH70i	2	1	0	0
HID1I	LGOCZ05	CON	1_LT_INC200	1	1	0	6.03
HID1I	LGOCZ05	CON	2_LT_MH70i	2	1	0	6.03
HID1I	MSCCZ05	CON	1_LT_INC200	1	1	0.01	12.69
HID1I	MSCCZ05	CON	2_LT_MH70i	2	1	0	12.69
HID1I	REFCZ05	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ05	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ05	CON	1_LT_INC200	1	1	0	168.81
HID1I	RETCZ05	CON	2_LT_MH70i	2	1	0	168.81
HID1I	RSTCZ05	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ05	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ05	CON	1_LT_INC200	1	1	0.01	11.99
HID1I	SCHCZ05	CON	2_LT_MH70i	2	1	0	11.99
HID1I	SMOCZ05	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ05	CON	2_LT_MH70i	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ05	CON	1_LT_INC200	1	1	0	1.67
HID1I	WRHCZ05	CON	2_LT_MH70i	2	1	0	1.67
HID13MV	COLCZ05	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ05	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ05	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	GRCCZ05	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	HLTCZ05	CON	1_LT_EXMV400	1	1	0	0
HID13MV	HLTCZ05	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LDGCZ05	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ05	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ05	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ05	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ05	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	MSCCZ05	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	REFCZ05	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	REFCZ05	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13MV	RETCZ05	CON	1_LT_EXMV400	1	1	1	0.04
HID13MV	RETCZ05	CON	2_LT_EXPS250mv	2	1	0	0.04
HID13MV	RSTCZ05	CON	1_LT_EXMV400	1	1	0	0
HID13MV	RSTCZ05	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SCHCZ05	CON	1_LT_EXMV400	1	1	0	0
HID13MV	SCHCZ05	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ05	CON	1_LT_EXMV400	1	1	1	0.03
HID13MV	SMOCZ05	CON	2_LT_EXPS250mv	2	1	0	0.03
HID13MV	WRHCZ05	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	WRHCZ05	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13I	COLCZ05	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ05	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ05	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ05	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ05	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ05	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ05	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ05	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ05	CON	1_LT_EXINC700	1	1	0	0



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ05	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ05	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	MSCCZ05	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	REFCZ05	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ05	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ05	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RETCZ05	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	RSTCZ05	CON	1_LT_EXINC700	1	1	0	0.01
HID13I	RSTCZ05	CON	2_LT_EXPS250i	2	1	1	0.01
HID13I	SCHCZ05	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ05	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ05	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ05	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ05	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ05	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ05	CON	1_LT_EXMV250	1	1	1	0
HID12MV	COLCZ05	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ05	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	GRCCZ05	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	HLTCZ05	CON	1_LT_EXMV250	1	1	0	0
HID12MV	HLTCZ05	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ05	CON	1_LT_EXMV250	1	1	0	0
HID12MV	LDGCZ05	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ05	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LGOCZ05	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	MSCCZ05	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	MSCCZ05	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	REFCZ05	CON	1_LT_EXMV250	1	1	0	0
HID12MV	REFCZ05	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	RETCZ05	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ05	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ05	CON	1_LT_EXMV250	1	1	0	0
HID12MV	RSTCZ05	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ05	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SCHCZ05	CON	2_LT_EXPS175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ05	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SMOCZ05	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ05	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ05	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ05	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ05	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ05	CON	1_LT_EXINC500	1	1	0	0.01
HID12I	GRCCZ05	CON	2_LT_EXPS175i	2	1	1	0.01
HID12I	HLTCZ05	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ05	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ05	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ05	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ05	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ05	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ05	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ05	CON	2_LT_EXPS175i	2	1	0	0
HID12I	REFCZ05	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ05	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ05	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ05	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ05	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ05	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ05	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ05	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ05	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ05	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ05	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ05	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ05	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ05	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ05	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	GRCCZ05	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	HLTCZ05	CON	1_LT_EXMV175	1	1	0	0
HID11MV	HLTCZ05	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LDGCZ05	CON	1_LT_EXMV175	1	1	1	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ05	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ05	CON	1_LT_EXMV175	1	1	1	0
HID11MV	LGOCZ05	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	MSCCZ05	CON	1_LT_EXMV175	1	1	1	0.19
HID11MV	MSCCZ05	CON	2_LT_EXMH100mv	2	1	0	0.19
HID11MV	REFCZ05	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ05	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ05	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RETCZ05	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RSTCZ05	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RSTCZ05	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	SCHCZ05	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	SCHCZ05	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	SMOCZ05	CON	1_LT_EXMV175	1	1	1	0.08
HID11MV	SMOCZ05	CON	2_LT_EXMH100mv	2	1	0	0.08
HID11MV	WRHCZ05	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	WRHCZ05	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11I	COLCZ05	CON	1_LT_EXINC300	1	1	0	0
HID11I	COLCZ05	CON	2_LT_EXMH100i	2	1	1	0
HID11I	GRCCZ05	CON	1_LT_EXINC300	1	1	0.19	0.05
HID11I	GRCCZ05	CON	2_LT_EXMH100i	2	1	0.81	0.05
HID11I	HLTCZ05	CON	1_LT_EXINC300	1	1	0	0.13
HID11I	HLTCZ05	CON	2_LT_EXMH100i	2	1	1	0.13
HID11I	LDGCZ05	CON	1_LT_EXINC300	1	1	0.02	0.05
HID11I	LDGCZ05	CON	2_LT_EXMH100i	2	1	0.98	0.05
HID11I	LGOCZ05	CON	1_LT_EXINC300	1	1	0.01	0.01
HID11I	LGOCZ05	CON	2_LT_EXMH100i	2	1	0.99	0.01
HID11I	MSCCZ05	CON	1_LT_EXINC300	1	1	0.06	0.06
HID11I	MSCCZ05	CON	2_LT_EXMH100i	2	1	0.94	0.06
HID11I	REFCZ05	CON	1_LT_EXINC300	1	1	0	0.01
HID11I	REFCZ05	CON	2_LT_EXMH100i	2	1	1	0.01
HID11I	RETCZ05	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ05	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ05	CON	1_LT_EXINC300	1	1	0.33	0.01
HID11I	RSTCZ05	CON	2_LT_EXMH100i	2	1	0.67	0.01

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ05	CON	1_LT_EXINC300	1	1	0.15	0.05
HID11I	SCHCZ05	CON	2_LT_EXMH100i	2	1	0.85	0.05
HID11I	SMOCZ05	CON	1_LT_EXINC300	1	1	0	0.32
HID11I	SMOCZ05	CON	2_LT_EXMH100i	2	1	1	0.32
HID11I	WRHCZ05	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	WRHCZ05	CON	2_LT_EXMH100i	2	1	1	0.02
FLUOR4A	COLCZ05	CON	1_LT_8T12	1	1	1	0.05
FLUOR4A	COLCZ05	CON	2_LT_8T82ndG	2	1	0	0.05
FLUOR4A	GRCCZ05	CON	1_LT_8T12	1	1	0.52	2.58
FLUOR4A	GRCCZ05	CON	2_LT_8T82ndG	2	1	0.48	2.58
FLUOR4A	HLTCZ05	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	HLTCZ05	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	LDGCZ05	CON	1_LT_8T12	1	1	1	0.02
FLUOR4A	LDGCZ05	CON	2_LT_8T82ndG	2	1	0	0.02
FLUOR4A	LGOCZ05	CON	1_LT_8T12	1	1	0.9	0.13
FLUOR4A	LGOCZ05	CON	2_LT_8T82ndG	2	1	0.1	0.13
FLUOR4A	MSCCZ05	CON	1_LT_8T12	1	1	0.98	1.22
FLUOR4A	MSCCZ05	CON	2_LT_8T82ndG	2	1	0.02	1.22
FLUOR4A	REFCZ05	CON	1_LT_8T12	1	1	0.97	1.17
FLUOR4A	REFCZ05	CON	2_LT_8T82ndG	2	1	0.03	1.17
FLUOR4A	RETCZ05	CON	1_LT_8T12	1	1	0.66	1.13
FLUOR4A	RETCZ05	CON	2_LT_8T82ndG	2	1	0.34	1.13
FLUOR4A	RSTCZ05	CON	1_LT_8T12	1	1	0.93	0.95
FLUOR4A	RSTCZ05	CON	2_LT_8T82ndG	2	1	0.07	0.95
FLUOR4A	SCHCZ05	CON	1_LT_8T12	1	1	0.9	0.53
FLUOR4A	SCHCZ05	CON	2_LT_8T82ndG	2	1	0.1	0.53
FLUOR4A	SMOCZ05	CON	1_LT_8T12	1	1	0.37	0.18
FLUOR4A	SMOCZ05	CON	2_LT_8T82ndG	2	1	0.63	0.18
FLUOR4A	WRHCZ05	CON	1_LT_8T12	1	1	0.99	1.79
FLUOR4A	WRHCZ05	CON	2_LT_8T82ndG	2	1	0.01	1.79
FLUOR1A	COLCZ05	CON	1_LT_4T12	1	1	0.6	7.5
FLUOR1A	COLCZ05	CON	2_LT_4T8_5	2	1	0.4	7.5
FLUOR1A	GRCCZ05	CON	1_LT_4T12	1	1	0.08	9.03
FLUOR1A	GRCCZ05	CON	2_LT_4T8_5	2	1	0.92	9.03
FLUOR1A	HLTCZ05	CON	1_LT_4T12	1	1	0.15	5.95

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ05	CON	2_LT_4T8_5	2	1	0.85	5.95
FLUOR1A	LDGCZ05	CON	1_LT_4T12	1	1	0.38	0.93
FLUOR1A	LDGCZ05	CON	2_LT_4T8_5	2	1	0.62	0.93
FLUOR1A	LGOCZ05	CON	1_LT_4T12	1	1	0.11	4.87
FLUOR1A	LGOCZ05	CON	2_LT_4T8_5	2	1	0.89	4.87
FLUOR1A	MSCCZ05	CON	1_LT_4T12	1	1	0.41	2.15
FLUOR1A	MSCCZ05	CON	2_LT_4T8_5	2	1	0.59	2.15
FLUOR1A	REFCZ05	CON	1_LT_4T12	1	1	0.43	0.88
FLUOR1A	REFCZ05	CON	2_LT_4T8_5	2	1	0.57	0.88
FLUOR1A	RETCZ05	CON	1_LT_4T12	1	1	0.13	4.27
FLUOR1A	RETCZ05	CON	2_LT_4T8_5	2	1	0.87	4.27
FLUOR1A	RSTCZ05	CON	1_LT_4T12	1	1	0.76	2.04
FLUOR1A	RSTCZ05	CON	2_LT_4T8_5	2	1	0.24	2.04
FLUOR1A	SCHCZ05	CON	1_LT_4T12	1	1	0.23	5.4
FLUOR1A	SCHCZ05	CON	2_LT_4T8_5	2	1	0.77	5.4
FLUOR1A	SMOCZ05	CON	1_LT_4T12	1	1	0.18	3.97
FLUOR1A	SMOCZ05	CON	2_LT_4T8_5	2	1	0.82	3.97
FLUOR1A	WRHCZ05	CON	1_LT_4T12	1	1	0.23	1.14
FLUOR1A	WRHCZ05	CON	2_LT_4T8_5	2	1	0.77	1.14
EXIT1	COLCZ05	RET	2_LT_EXLED	1	1	0.83	0.45
EXIT1	GRCCZ05	RET	2_LT_EXLED	1	1	0.64	0.22
EXIT1	HLTCZ05	RET	2_LT_EXLED	1	1	0.72	0.48
EXIT1	LDGCZ05	RET	2_LT_EXLED	1	1	0.04	0.38
EXIT1	LGOCZ05	RET	2_LT_EXLED	1	1	0.55	0.48
EXIT1	MSCCZ05	RET	2_LT_EXLED	1	1	0.56	0.55
EXIT1	REFCZ05	RET	2_LT_EXLED	1	1	0.44	0.14
EXIT1	RETCZ05	RET	2_LT_EXLED	1	1	0.29	0.27
EXIT1	RSTCZ05	RET	2_LT_EXLED	1	1	0.32	0.8
EXIT1	SCHCZ05	RET	2_LT_EXLED	1	1	0.48	0.24
EXIT1	SMOCZ05	RET	2_LT_EXLED	1	1	0.75	0.79
EXIT1	WRHCZ05	RET	2_LT_EXLED	1	1	0.84	0.16
DL1	COLCZ05	RET	2_LT_DLInst	1	0	0	47.3
DL1	GRCCZ05	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ05	RET	2_LT_DLInst	1	0	0	14.99
DL1	LDGCZ05	RET	2_LT_DLInst	1	0	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ05	RET	2_LT_DLInst	1	0.12	0	24.58
DL1	MSCCZ05	RET	2_LT_DLInst	1	0	0	31.64
DL1	REFCZ05	RET	2_LT_DLInst	1	0	0	12.54
DL1	RETCZ05	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ05	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ05	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ05	RET	2_LT_DLInst	1	0.07	0	31.41
DL1	WRHCZ05	RET	2_LT_DLInst	1	0.01	0	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ11	RET	2_LT_RFLCSpec8	1	0	0	6.71
RFLC2	GRCCZ11	RET	2_LT_RFLCSpec8	1	0.07	0	5.82
RFLC2	HLTCZ11	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LDGCZ11	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ11	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ11	RET	2_LT_RFLCSpec8	1	0.02	0	2.61
RFLC2	REFCZ11	RET	2_LT_RFLCSpec8	1	0	0	0.28
RFLC2	RETCZ11	RET	2_LT_RFLCSpec8	1	0.01	0	4.31
RFLC2	RSTCZ11	RET	2_LT_RFLCSpec8	1	0.01	0	3.77
RFLC2	SCHCZ11	RET	2_LT_RFLCSpec8	1	0.01	0	3.69
RFLC2	SMOCZ11	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	WRHCZ11	RET	2_LT_RFLCSpec8	1	0.01	0	1.84
RFLC1	COLCZ11	RET	2_LT_RFLCSpec4	1	0.39	0.01	5.75
RFLC1	GRCCZ11	RET	2_LT_RFLCSpec4	1	0.36	0	3.9
RFLC1	HLTCZ11	RET	2_LT_RFLCSpec4	1	0.41	0	6.21
RFLC1	LDGCZ11	RET	2_LT_RFLCSpec4	1	0.04	0	3.35
RFLC1	LGOCZ11	RET	2_LT_RFLCSpec4	1	0.62	0.04	8.24
RFLC1	MSCCZ11	RET	2_LT_RFLCSpec4	1	0.17	0	6.06
RFLC1	REFCZ11	RET	2_LT_RFLCSpec4	1	0.11	0	3.9
RFLC1	RETCZ11	RET	2_LT_RFLCSpec4	1	0.41	0.01	6.77
RFLC1	RSTCZ11	RET	2_LT_RFLCSpec4	1	0.24	0	8.85
RFLC1	SCHCZ11	RET	2_LT_RFLCSpec4	1	0.48	0	8.18
RFLC1	SMOCZ11	RET	2_LT_RFLCSpec4	1	0.44	0	7.13
RFLC1	WRHCZ11	RET	2_LT_RFLCSpec4	1	0.16	0	5.04
PC1	COLCZ11	CON	1_LT_PCNoCtrl	1	1	0.09	0.29
PC1	COLCZ11	CON	2_LT_PCPC	2	1	0.54	0.29
PC1	COLCZ11	CON	3_LT_PCTC	3	1	0.06	0.29
PC1	COLCZ11	CON	4_LT_PCPT	4	1	0.15	0.29
PC1	GRCCZ11	CON	1_LT_PCNoCtrl	1	1	0	1.31
PC1	GRCCZ11	CON	2_LT_PCPC	2	1	0.56	1.31
PC1	GRCCZ11	CON	3_LT_PCTC	3	1	0.19	1.31
PC1	GRCCZ11	CON	4_LT_PCPT	4	1	0.08	1.31
PC1	HLTCZ11	CON	1_LT_PCNoCtrl	1	1	0.01	0.35
PC1	HLTCZ11	CON	2_LT_PCPC	2	1	0.51	0.35
PC1	HLTCZ11	CON	3_LT_PCTC	3	1	0.28	0.35

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ11	CON	4_LT_PCPT	4	1	0.06	0.35
PC1	LDGCZ11	CON	1_LT_PCNoCtrl	1	1	0.09	0.47
PC1	LDGCZ11	CON	2_LT_PCPC	2	1	0.58	0.47
PC1	LDGCZ11	CON	3_LT_PCTC	3	1	0.02	0.47
PC1	LDGCZ11	CON	4_LT_PCPT	4	1	0.15	0.47
PC1	LGOCZ11	CON	1_LT_PCNoCtrl	1	1	0	0.23
PC1	LGOCZ11	CON	2_LT_PCPC	2	1	0.45	0.23
PC1	LGOCZ11	CON	3_LT_PCTC	3	1	0.25	0.23
PC1	LGOCZ11	CON	4_LT_PCPT	4	1	0.14	0.23
PC1	MSCCZ11	CON	1_LT_PCNoCtrl	1	1	0.01	0.77
PC1	MSCCZ11	CON	2_LT_PCPC	2	1	0.44	0.77
PC1	MSCCZ11	CON	3_LT_PCTC	3	1	0.33	0.77
PC1	MSCCZ11	CON	4_LT_PCPT	4	1	0.1	0.77
PC1	REFCZ11	CON	1_LT_PCNoCtrl	1	1	0	0.18
PC1	REFCZ11	CON	2_LT_PCPC	2	1	0.66	0.18
PC1	REFCZ11	CON	3_LT_PCTC	3	1	0.19	0.18
PC1	REFCZ11	CON	4_LT_PCPT	4	1	0.11	0.18
PC1	RETCZ11	CON	1_LT_PCNoCtrl	1	1	0	0.57
PC1	RETCZ11	CON	2_LT_PCPC	2	1	0.32	0.57
PC1	RETCZ11	CON	3_LT_PCTC	3	1	0.21	0.57
PC1	RETCZ11	CON	4_LT_PCPT	4	1	0.2	0.57
PC1	RSTCZ11	CON	1_LT_PCNoCtrl	1	1	0	1.04
PC1	RSTCZ11	CON	2_LT_PCPC	2	1	0.3	1.04
PC1	RSTCZ11	CON	3_LT_PCTC	3	1	0.24	1.04
PC1	RSTCZ11	CON	4_LT_PCPT	4	1	0.15	1.04
PC1	SCHCZ11	CON	1_LT_PCNoCtrl	1	1	0	0.32
PC1	SCHCZ11	CON	2_LT_PCPC	2	1	0.28	0.32
PC1	SCHCZ11	CON	3_LT_PCTC	3	1	0.48	0.32
PC1	SCHCZ11	CON	4_LT_PCPT	4	1	0.16	0.32
PC1	SMOCZ11	CON	1_LT_PCNoCtrl	1	1	0.07	0.97
PC1	SMOCZ11	CON	2_LT_PCPC	2	1	0.35	0.97
PC1	SMOCZ11	CON	3_LT_PCTC	3	1	0.14	0.97
PC1	SMOCZ11	CON	4_LT_PCPT	4	1	0.08	0.97
PC1	WRHCZ11	CON	1_LT_PCNoCtrl	1	1	0	0.3
PC1	WRHCZ11	CON	2_LT_PCPC	2	1	0.61	0.3



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ11	CON	3_LT_PCTC	3	1	0.19	0.3
PC1	WRHCZ11	CON	4_LT_PCPT	4	1	0.1	0.3
OCC2	COLCZ11	RET	2_LT_OCCPCDInst	1	0.64	0	3.09
OCC2	GRCCZ11	RET	2_LT_OCCPCDInst	1	0.58	0	0.46
OCC2	HLTCZ11	RET	2_LT_OCCPCDInst	1	0.54	0	2.52
OCC2	LDGCZ11	RET	2_LT_OCCPCDInst	1	0.13	0	0.96
OCC2	LGOCZ11	RET	2_LT_OCCPCDInst	1	0.9	0	3.84
OCC2	MSCCZ11	RET	2_LT_OCCPCDInst	1	0.31	0	1.86
OCC2	REFCZ11	RET	2_LT_OCCPCDInst	1	0.28	0	0.92
OCC2	RETCZ11	RET	2_LT_OCCPCDInst	1	0.68	0	0.73
OCC2	RSTCZ11	RET	2_LT_OCCPCDInst	1	0.22	0	1.09
OCC2	SCHCZ11	RET	2_LT_OCCPCDInst	1	0.73	0	3.22
OCC2	SMOCZ11	RET	2_LT_OCCPCDInst	1	0.87	0	3.41
OCC2	WRHCZ11	RET	2_LT_OCCPCDInst	1	0.5	0	0.98
OCC1	COLCZ11	RET	2_LT_OCCMS	1	0.55	0.03	2.06
OCC1	GRCCZ11	RET	2_LT_OCCMS	1	0.1	0	1.68
OCC1	HLTCZ11	RET	2_LT_OCCMS	1	0.13	0	1.83
OCC1	LDGCZ11	RET	2_LT_OCCMS	1	0.04	0	1.21
OCC1	LGOCZ11	RET	2_LT_OCCMS	1	0.66	0.13	2.16
OCC1	MSCCZ11	RET	2_LT_OCCMS	1	0.21	0	1.51
OCC1	REFCZ11	RET	2_LT_OCCMS	1	0.33	0	0.75
OCC1	RETCZ11	RET	2_LT_OCCMS	1	0.17	0.01	1.6
OCC1	RSTCZ11	RET	2_LT_OCCMS	1	0.07	0	1.18
OCC1	SCHCZ11	RET	2_LT_OCCMS	1	0.67	0.02	2.56
OCC1	SMOCZ11	RET	2_LT_OCCMS	1	0.58	0	1.83
OCC1	WRHCZ11	RET	2_LT_OCCMS	1	0.64	0.03	1.08
INCAN6	COLCZ11	CON	1_LT_IRIP60	1	1	0.99	0.47
INCAN6	COLCZ11	CON	2_LT_CRCP14s	2	1	0.01	0.47
INCAN6	GRCCZ11	CON	1_LT_IRIP60	1	1	1	0.59
INCAN6	GRCCZ11	CON	2_LT_CRCP14s	2	1	0	0.59
INCAN6	HLTCZ11	CON	1_LT_IRIP60	1	1	0.95	0.79
INCAN6	HLTCZ11	CON	2_LT_CRCP14s	2	1	0.05	0.79
INCAN6	LDGCZ11	CON	1_LT_IRIP60	1	1	0.59	0.41
INCAN6	LDGCZ11	CON	2_LT_CRCP14s	2	1	0.41	0.41
INCAN6	LGOCZ11	CON	1_LT_IRIP60	1	1	0.91	0.22

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ11	CON	2_LT_CRCP14s	2	1	0.09	0.22
INCAN6	MSCCZ11	CON	1_LT_IRIP60	1	1	0.95	0.15
INCAN6	MSCCZ11	CON	2_LT_CRCP14s	2	1	0.05	0.15
INCAN6	REFCZ11	CON	1_LT_IRIP60	1	1	0.98	0.02
INCAN6	REFCZ11	CON	2_LT_CRCP14s	2	1	0.02	0.02
INCAN6	RETCZ11	CON	1_LT_IRIP60	1	1	0.97	1.6
INCAN6	RETCZ11	CON	2_LT_CRCP14s	2	1	0.03	1.6
INCAN6	RSTCZ11	CON	1_LT_IRIP60	1	1	0.92	1.52
INCAN6	RSTCZ11	CON	2_LT_CRCP14s	2	1	0.08	1.52
INCAN6	SCHCZ11	CON	1_LT_IRIP60	1	1	0.85	0.1
INCAN6	SCHCZ11	CON	2_LT_CRCP14s	2	1	0.15	0.1
INCAN6	SMOCZ11	CON	1_LT_IRIP60	1	1	1	1.5
INCAN6	SMOCZ11	CON	2_LT_CRCP14s	2	1	0	1.5
INCAN6	WRHCZ11	CON	1_LT_IRIP60	1	1	0.95	0.04
INCAN6	WRHCZ11	CON	2_LT_CRCP14s	2	1	0.05	0.04
INCAN5	COLCZ11	CON	1_LT_INC120	1	1	0.05	0.23
INCAN5	COLCZ11	CON	2_LT_CFL38s	2	1	0	0.23
INCAN5	COLCZ11	CON	3_LT_CFL38p	3	1	0.95	0.23
INCAN5	GRCCZ11	CON	1_LT_INC120	1	1	0.36	0.07
INCAN5	GRCCZ11	CON	2_LT_CFL38s	2	1	0.02	0.07
INCAN5	GRCCZ11	CON	3_LT_CFL38p	3	1	0.62	0.07
INCAN5	HLTCZ11	CON	1_LT_INC120	1	1	0.52	0.34
INCAN5	HLTCZ11	CON	2_LT_CFL38s	2	1	0.17	0.34
INCAN5	HLTCZ11	CON	3_LT_CFL38p	3	1	0.31	0.34
INCAN5	LDGCZ11	CON	1_LT_INC120	1	1	0.35	3.04
INCAN5	LDGCZ11	CON	2_LT_CFL38s	2	1	0.49	3.04
INCAN5	LDGCZ11	CON	3_LT_CFL38p	3	1	0.16	3.04
INCAN5	LGOCZ11	CON	1_LT_INC120	1	1	0.45	0.06
INCAN5	LGOCZ11	CON	2_LT_CFL38s	2	1	0.15	0.06
INCAN5	LGOCZ11	CON	3_LT_CFL38p	3	1	0.4	0.06
INCAN5	MSCCZ11	CON	1_LT_INC120	1	1	0.48	0.24
INCAN5	MSCCZ11	CON	2_LT_CFL38s	2	1	0.5	0.24
INCAN5	MSCCZ11	CON	3_LT_CFL38p	3	1	0.02	0.24
INCAN5	REFCZ11	CON	1_LT_INC120	1	1	1	0.07
INCAN5	REFCZ11	CON	2_LT_CFL38s	2	1	0	0.07

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ11	CON	3_LT_CFL38p	3	1	0	0.07
INCAN5	RETCZ11	CON	1_LT_INC120	1	1	0.38	0.19
INCAN5	RETCZ11	CON	2_LT_CFL38s	2	1	0.61	0.19
INCAN5	RETCZ11	CON	3_LT_CFL38p	3	1	0.02	0.19
INCAN5	RSTCZ11	CON	1_LT_INC120	1	1	1	0.57
INCAN5	RSTCZ11	CON	2_LT_CFL38s	2	1	0	0.57
INCAN5	RSTCZ11	CON	3_LT_CFL38p	3	1	0	0.57
INCAN5	SCHCZ11	CON	1_LT_INC120	1	1	0.29	0.29
INCAN5	SCHCZ11	CON	2_LT_CFL38s	2	1	0.03	0.29
INCAN5	SCHCZ11	CON	3_LT_CFL38p	3	1	0.68	0.29
INCAN5	SMOCZ11	CON	1_LT_INC120	1	1	1	0.29
INCAN5	SMOCZ11	CON	2_LT_CFL38s	2	1	0	0.29
INCAN5	SMOCZ11	CON	3_LT_CFL38p	3	1	0	0.29
INCAN5	WRHCZ11	CON	1_LT_INC120	1	1	1	0
INCAN5	WRHCZ11	CON	2_LT_CFL38s	2	1	0	0
INCAN5	WRHCZ11	CON	3_LT_CFL38p	3	1	0	0
INCAN3	COLCZ11	CON	1_LT_INC75	1	1	0.27	0.33
INCAN3	COLCZ11	CON	2_LT_CFL20s	2	1	0.55	0.33
INCAN3	COLCZ11	CON	3_LT_CFL20p	3	1	0.19	0.33
INCAN3	GRCCZ11	CON	1_LT_INC75	1	1	0.35	0.09
INCAN3	GRCCZ11	CON	2_LT_CFL20s	2	1	0.65	0.09
INCAN3	GRCCZ11	CON	3_LT_CFL20p	3	1	0	0.09
INCAN3	HLTCZ11	CON	1_LT_INC75	1	1	0.5	1.97
INCAN3	HLTCZ11	CON	2_LT_CFL20s	2	1	0.21	1.97
INCAN3	HLTCZ11	CON	3_LT_CFL20p	3	1	0.29	1.97
INCAN3	LDGCZ11	CON	1_LT_INC75	1	1	0.08	3.94
INCAN3	LDGCZ11	CON	2_LT_CFL20s	2	1	0.67	3.94
INCAN3	LDGCZ11	CON	3_LT_CFL20p	3	1	0.25	3.94
INCAN3	LGOCZ11	CON	1_LT_INC75	1	1	0.02	1.4
INCAN3	LGOCZ11	CON	2_LT_CFL20s	2	1	0.47	1.4
INCAN3	LGOCZ11	CON	3_LT_CFL20p	3	1	0.51	1.4
INCAN3	MSCCZ11	CON	1_LT_INC75	1	1	0.32	0.6
INCAN3	MSCCZ11	CON	2_LT_CFL20s	2	1	0.37	0.6
INCAN3	MSCCZ11	CON	3_LT_CFL20p	3	1	0.31	0.6
INCAN3	REFCZ11	CON	1_LT_INC75	1	1	0.83	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ11	CON	2_LT_CFL20s	2	1	0.17	0.03
INCAN3	REFCZ11	CON	3_LT_CFL20p	3	1	0	0.03
INCAN3	RETCZ11	CON	1_LT_INC75	1	1	0.2	0.37
INCAN3	RETCZ11	CON	2_LT_CFL20s	2	1	0.61	0.37
INCAN3	RETCZ11	CON	3_LT_CFL20p	3	1	0.19	0.37
INCAN3	RSTCZ11	CON	1_LT_INC75	1	1	0.49	2.85
INCAN3	RSTCZ11	CON	2_LT_CFL20s	2	1	0.41	2.85
INCAN3	RSTCZ11	CON	3_LT_CFL20p	3	1	0.11	2.85
INCAN3	SCHCZ11	CON	1_LT_INC75	1	1	0.64	0.09
INCAN3	SCHCZ11	CON	2_LT_CFL20s	2	1	0	0.09
INCAN3	SCHCZ11	CON	3_LT_CFL20p	3	1	0.36	0.09
INCAN3	SMOCZ11	CON	1_LT_INC75	1	1	0.04	0.8
INCAN3	SMOCZ11	CON	2_LT_CFL20s	2	1	0.25	0.8
INCAN3	SMOCZ11	CON	3_LT_CFL20p	3	1	0.71	0.8
INCAN3	WRHCZ11	CON	1_LT_INC75	1	1	0.12	0.06
INCAN3	WRHCZ11	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ11	CON	3_LT_CFL20p	3	1	0.7	0.06
INCAN2	COLCZ11	CON	1_LT_INC60	1	1	0.75	0.37
INCAN2	COLCZ11	CON	2_LT_CFL15s	2	1	0.16	0.37
INCAN2	COLCZ11	CON	3_LT_CFL15p	3	1	0.09	0.37
INCAN2	GRCCZ11	CON	1_LT_INC60	1	1	0.62	0.14
INCAN2	GRCCZ11	CON	2_LT_CFL15s	2	1	0.17	0.14
INCAN2	GRCCZ11	CON	3_LT_CFL15p	3	1	0.21	0.14
INCAN2	HLTCZ11	CON	1_LT_INC60	1	1	0.6	1.48
INCAN2	HLTCZ11	CON	2_LT_CFL15s	2	1	0.26	1.48
INCAN2	HLTCZ11	CON	3_LT_CFL15p	3	1	0.14	1.48
INCAN2	LDGCZ11	CON	1_LT_INC60	1	1	0.44	4.74
INCAN2	LDGCZ11	CON	2_LT_CFL15s	2	1	0.32	4.74
INCAN2	LDGCZ11	CON	3_LT_CFL15p	3	1	0.24	4.74
INCAN2	LGOCZ11	CON	1_LT_INC60	1	1	0.22	0.72
INCAN2	LGOCZ11	CON	2_LT_CFL15s	2	1	0.25	0.72
INCAN2	LGOCZ11	CON	3_LT_CFL15p	3	1	0.53	0.72
INCAN2	MSCCZ11	CON	1_LT_INC60	1	1	0.95	1.93
INCAN2	MSCCZ11	CON	2_LT_CFL15s	2	1	0.03	1.93
INCAN2	MSCCZ11	CON	3_LT_CFL15p	3	1	0.02	1.93

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ11	CON	1_LT_INC60	1	1	0.88	0.03
INCAN2	REFCZ11	CON	2_LT_CFL15s	2	1	0.12	0.03
INCAN2	REFCZ11	CON	3_LT_CFL15p	3	1	0	0.03
INCAN2	RETCZ11	CON	1_LT_INC60	1	1	0.12	0.96
INCAN2	RETCZ11	CON	2_LT_CFL15s	2	1	0.41	0.96
INCAN2	RETCZ11	CON	3_LT_CFL15p	3	1	0.47	0.96
INCAN2	RSTCZ11	CON	1_LT_INC60	1	1	0.56	2.69
INCAN2	RSTCZ11	CON	2_LT_CFL15s	2	1	0.4	2.69
INCAN2	RSTCZ11	CON	3_LT_CFL15p	3	1	0.04	2.69
INCAN2	SCHCZ11	CON	1_LT_INC60	1	1	0.53	0.4
INCAN2	SCHCZ11	CON	2_LT_CFL15s	2	1	0.35	0.4
INCAN2	SCHCZ11	CON	3_LT_CFL15p	3	1	0.12	0.4
INCAN2	SMOCZ11	CON	1_LT_INC60	1	1	0.92	0.51
INCAN2	SMOCZ11	CON	2_LT_CFL15s	2	1	0.01	0.51
INCAN2	SMOCZ11	CON	3_LT_CFL15p	3	1	0.07	0.51
INCAN2	WRHCZ11	CON	1_LT_INC60	1	1	0.82	0.09
INCAN2	WRHCZ11	CON	2_LT_CFL15s	2	1	0.18	0.09
INCAN2	WRHCZ11	CON	3_LT_CFL15p	3	1	0	0.09
INCAN1	COLCZ11	CON	1_LT_INC40	1	1	0.98	0.1
INCAN1	COLCZ11	CON	2_LT_CFL10_5s	2	1	0	0.1
INCAN1	COLCZ11	CON	3_LT_CFL10_5p	3	1	0.02	0.1
INCAN1	GRCCZ11	CON	1_LT_INC40	1	1	0.7	0.01
INCAN1	GRCCZ11	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	GRCCZ11	CON	3_LT_CFL10_5p	3	1	0.3	0.01
INCAN1	HLTCZ11	CON	1_LT_INC40	1	1	0.9	0.53
INCAN1	HLTCZ11	CON	2_LT_CFL10_5s	2	1	0.02	0.53
INCAN1	HLTCZ11	CON	3_LT_CFL10_5p	3	1	0.08	0.53
INCAN1	LDGCZ11	CON	1_LT_INC40	1	1	0.71	1.54
INCAN1	LDGCZ11	CON	2_LT_CFL10_5s	2	1	0.12	1.54
INCAN1	LDGCZ11	CON	3_LT_CFL10_5p	3	1	0.17	1.54
INCAN1	LGOCZ11	CON	1_LT_INC40	1	1	0.22	0.27
INCAN1	LGOCZ11	CON	2_LT_CFL10_5s	2	1	0.31	0.27
INCAN1	LGOCZ11	CON	3_LT_CFL10_5p	3	1	0.47	0.27
INCAN1	MSCCZ11	CON	1_LT_INC40	1	1	0.97	0.1
INCAN1	MSCCZ11	CON	2_LT_CFL10_5s	2	1	0.03	0.1

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ11	CON	3_LT_CFL10_5p	3	1	0	0.1
INCAN1	REFCZ11	CON	1_LT_INC40	1	1	1	0.01
INCAN1	REFCZ11	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	REFCZ11	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	RETCZ11	CON	1_LT_INC40	1	1	1	0.04
INCAN1	RETCZ11	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	RETCZ11	CON	3_LT_CFL10_5p	3	1	0	0.04
INCAN1	RSTCZ11	CON	1_LT_INC40	1	1	0.98	0.93
INCAN1	RSTCZ11	CON	2_LT_CFL10_5s	2	1	0	0.93
INCAN1	RSTCZ11	CON	3_LT_CFL10_5p	3	1	0.02	0.93
INCAN1	SCHCZ11	CON	1_LT_INC40	1	1	0.3	0.08
INCAN1	SCHCZ11	CON	2_LT_CFL10_5s	2	1	0	0.08
INCAN1	SCHCZ11	CON	3_LT_CFL10_5p	3	1	0.7	0.08
INCAN1	SMOCZ11	CON	1_LT_INC40	1	1	0.99	0.9
INCAN1	SMOCZ11	CON	2_LT_CFL10_5s	2	1	0.01	0.9
INCAN1	SMOCZ11	CON	3_LT_CFL10_5p	3	1	0	0.9
INCAN1	WRHCZ11	CON	1_LT_INC40	1	1	0.91	0.04
INCAN1	WRHCZ11	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	WRHCZ11	CON	3_LT_CFL10_5p	3	1	0.09	0.04
HID6	COLCZ11	CON	1_LT_MH400	1	1	0	4
HID6	COLCZ11	CON	2_LT_PS320	2	1	0	4
HID6	COLCZ11	CON	3_LT_HIDT5HO	3	1	0	4
HID6	GRCCZ11	CON	1_LT_MH400	1	1	0	2.76
HID6	GRCCZ11	CON	2_LT_PS320	2	1	0.01	2.76
HID6	GRCCZ11	CON	3_LT_HIDT5HO	3	1	0	2.76
HID6	HLTCZ11	CON	1_LT_MH400	1	1	0	0
HID6	HLTCZ11	CON	2_LT_PS320	2	1	0	0
HID6	HLTCZ11	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LDGCZ11	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ11	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ11	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ11	CON	1_LT_MH400	1	1	0	0.54
HID6	LGOCZ11	CON	2_LT_PS320	2	1	0	0.54
HID6	LGOCZ11	CON	3_LT_HIDT5HO	3	1	0	0.54
HID6	MSCCZ11	CON	1_LT_MH400	1	1	0.04	1.58

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ11	CON	2_LT_PS320	2	1	0	1.58
HID6	MSCCZ11	CON	3_LT_HIDT5HO	3	1	0	1.58
HID6	REFCZ11	CON	1_LT_MH400	1	1	0.09	5.96
HID6	REFCZ11	CON	2_LT_PS320	2	1	0	5.96
HID6	REFCZ11	CON	3_LT_HIDT5HO	3	1	0	5.96
HID6	RETCZ11	CON	1_LT_MH400	1	1	0.05	2.86
HID6	RETCZ11	CON	2_LT_PS320	2	1	0.03	2.86
HID6	RETCZ11	CON	3_LT_HIDT5HO	3	1	0	2.86
HID6	RSTCZ11	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ11	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ11	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ11	CON	1_LT_MH400	1	1	0.02	3.64
HID6	SCHCZ11	CON	2_LT_PS320	2	1	0	3.64
HID6	SCHCZ11	CON	3_LT_HIDT5HO	3	1	0	3.64
HID6	SMOCZ11	CON	1_LT_MH400	1	1	0.1	0.7
HID6	SMOCZ11	CON	2_LT_PS320	2	1	0	0.7
HID6	SMOCZ11	CON	3_LT_HIDT5HO	3	1	0	0.7
HID6	WRHCZ11	CON	1_LT_MH400	1	1	0.27	1.42
HID6	WRHCZ11	CON	2_LT_PS320	2	1	0.03	1.42
HID6	WRHCZ11	CON	3_LT_HIDT5HO	3	1	0	1.42
HID4MV	COLCZ11	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ11	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ11	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ11	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ11	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ11	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ11	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ11	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ11	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ11	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ11	CON	1_LT_MV400	1	1	0	7.27
HID4MV	MSCCZ11	CON	2_LT_MH250mv	2	1	0	7.27
HID4MV	REFCZ11	CON	1_LT_MV400	1	1	0.02	5.71
HID4MV	REFCZ11	CON	2_LT_MH250mv	2	1	0.07	5.71
HID4MV	RETCZ11	CON	1_LT_MV400	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ11	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ11	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ11	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ11	CON	1_LT_MV400	1	1	0	0
HID4MV	SCHCZ11	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SMOCZ11	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ11	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ11	CON	1_LT_MV400	1	1	0.01	4.46
HID4MV	WRHCZ11	CON	2_LT_MH250mv	2	1	0.01	4.46
HID4I	COLCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ11	CON	2_LT_MH250i	2	1	0.02	0.45
HID4I	GRCCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ11	CON	2_LT_MH250i	2	1	0.04	0.41
HID4I	HLTCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ11	CON	2_LT_MH250i	2	1	0	0.19
HID4I	LDGCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ11	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ11	CON	2_LT_MH250i	2	1	0	0.97
HID4I	MSCCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ11	CON	2_LT_MH250i	2	1	0.02	0.83
HID4I	REFCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ11	CON	2_LT_MH250i	2	1	0.04	3.95
HID4I	RETCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ11	CON	2_LT_MH250i	2	1	0.04	0.15
HID4I	RSTCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ11	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ11	CON	2_LT_MH250i	2	1	0.01	0.81
HID4I	SMOCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ11	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ11	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ11	CON	2_LT_MH250i	2	1	0.09	0.34
HID3MV	COLCZ11	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ11	CON	2_LT_MH175mv	2	1	0	0



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ11	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ11	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ11	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ11	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ11	CON	1_LT_MV250	1	1	0	0
HID3MV	LDGCZ11	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LGOCZ11	CON	1_LT_MV250	1	1	0	7.22
HID3MV	LGOCZ11	CON	2_LT_MH175mv	2	1	0	7.22
HID3MV	MSCCZ11	CON	1_LT_MV250	1	1	0	48.77
HID3MV	MSCCZ11	CON	2_LT_MH175mv	2	1	0	48.77
HID3MV	REFCZ11	CON	1_LT_MV250	1	1	0	0
HID3MV	REFCZ11	CON	2_LT_MH175mv	2	1	0	0
HID3MV	RETCZ11	CON	1_LT_MV250	1	1	0.01	1.72
HID3MV	RETCZ11	CON	2_LT_MH175mv	2	1	0	1.72
HID3MV	RSTCZ11	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ11	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ11	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ11	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ11	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ11	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ11	CON	1_LT_MV250	1	1	0	0
HID3MV	WRHCZ11	CON	2_LT_MH175mv	2	1	0	0
HID3I	COLCZ11	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ11	CON	2_LT_MH175i	2	1	0	0
HID3I	GRCCZ11	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ11	CON	2_LT_MH175i	2	1	0.04	1.08
HID3I	HLTCZ11	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ11	CON	2_LT_MH175i	2	1	0	35.66
HID3I	LDGCZ11	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ11	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ11	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ11	CON	2_LT_MH175i	2	1	0	0
HID3I	MSCCZ11	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ11	CON	2_LT_MH175i	2	1	0.03	0.66
HID3I	REFCZ11	CON	1_LT_INC500i	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ11	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ11	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ11	CON	2_LT_MH175i	2	1	0	0.15
HID3I	RSTCZ11	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ11	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ11	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ11	CON	2_LT_MH175i	2	1	0	3.2
HID3I	SMOCZ11	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ11	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ11	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ11	CON	2_LT_MH175i	2	1	0	4.43
HID2MV	COLCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ11	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	GRCCZ11	CON	2_LT_MH100mv	2	1	0	0
HID2MV	HLTCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ11	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ11	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ11	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ11	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ11	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ11	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ11	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ11	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ11	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ11	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ11	CON	2_LT_MH100mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ11	CON	1_LT_INC300	1	1	0.01	10.1
HID2I	COLCZ11	CON	2_LT_MH100i	2	1	0	10.1
HID2I	GRCCZ11	CON	1_LT_INC300	1	1	0.04	3.16
HID2I	GRCCZ11	CON	2_LT_MH100i	2	1	0.02	3.16
HID2I	HLTCZ11	CON	1_LT_INC300	1	1	0.01	1.09
HID2I	HLTCZ11	CON	2_LT_MH100i	2	1	0.01	1.09
HID2I	LDGCZ11	CON	1_LT_INC300	1	1	0.03	2.1
HID2I	LDGCZ11	CON	2_LT_MH100i	2	1	0	2.1
HID2I	LGOCZ11	CON	1_LT_INC300	1	1	0	0
HID2I	LGOCZ11	CON	2_LT_MH100i	2	1	0	0
HID2I	MSCCZ11	CON	1_LT_INC300	1	1	0.02	0.58
HID2I	MSCCZ11	CON	2_LT_MH100i	2	1	0	0.58
HID2I	REFCZ11	CON	1_LT_INC300	1	1	0.01	1.45
HID2I	REFCZ11	CON	2_LT_MH100i	2	1	0.02	1.45
HID2I	RETCZ11	CON	1_LT_INC300	1	1	0.03	25.23
HID2I	RETCZ11	CON	2_LT_MH100i	2	1	0	25.23
HID2I	RSTCZ11	CON	1_LT_INC300	1	1	0	0
HID2I	RSTCZ11	CON	2_LT_MH100i	2	1	0	0
HID2I	SCHCZ11	CON	1_LT_INC300	1	1	0	1.39
HID2I	SCHCZ11	CON	2_LT_MH100i	2	1	0	1.39
HID2I	SMOCZ11	CON	1_LT_INC300	1	1	0	0
HID2I	SMOCZ11	CON	2_LT_MH100i	2	1	0	0
HID2I	WRHCZ11	CON	1_LT_INC300	1	1	0.05	0.08
HID2I	WRHCZ11	CON	2_LT_MH100i	2	1	0	0.08
HID1MV	COLCZ11	CON	1_LT_MV100	1	1	0	0
HID1MV	COLCZ11	CON	2_LT_MH70mv	2	1	0	0
HID1MV	GRCCZ11	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ11	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ11	CON	1_LT_MV100	1	1	0	0
HID1MV	HLTCZ11	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LDGCZ11	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ11	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ11	CON	1_LT_MV100	1	1	0	0.15
HID1MV	LGOCZ11	CON	2_LT_MH70mv	2	1	0	0.15
HID1MV	MSCCZ11	CON	1_LT_MV100	1	1	0	0.69

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ11	CON	2_LT_MH70mv	2	1	0	0.69
HID1MV	REFCZ11	CON	1_LT_MV100	1	1	0	7.93
HID1MV	REFCZ11	CON	2_LT_MH70mv	2	1	0	7.93
HID1MV	RETCZ11	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ11	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ11	CON	1_LT_MV100	1	1	0	0.84
HID1MV	RSTCZ11	CON	2_LT_MH70mv	2	1	0	0.84
HID1MV	SCHCZ11	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ11	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ11	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ11	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ11	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ11	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ11	CON	1_LT_INC200	1	1	0	0
HID1I	COLCZ11	CON	2_LT_MH70i	2	1	0	0
HID1I	GRCCZ11	CON	1_LT_INC200	1	1	0	11.94
HID1I	GRCCZ11	CON	2_LT_MH70i	2	1	0	11.94
HID1I	HLTCZ11	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ11	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ11	CON	1_LT_INC200	1	1	0	0
HID1I	LDGCZ11	CON	2_LT_MH70i	2	1	0	0
HID1I	LGOCZ11	CON	1_LT_INC200	1	1	0	6.03
HID1I	LGOCZ11	CON	2_LT_MH70i	2	1	0	6.03
HID1I	MSCCZ11	CON	1_LT_INC200	1	1	0.01	12.69
HID1I	MSCCZ11	CON	2_LT_MH70i	2	1	0	12.69
HID1I	REFCZ11	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ11	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ11	CON	1_LT_INC200	1	1	0	168.81
HID1I	RETCZ11	CON	2_LT_MH70i	2	1	0	168.81
HID1I	RSTCZ11	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ11	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ11	CON	1_LT_INC200	1	1	0.01	11.99
HID1I	SCHCZ11	CON	2_LT_MH70i	2	1	0	11.99
HID1I	SMOCZ11	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ11	CON	2_LT_MH70i	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ11	CON	1_LT_INC200	1	1	0	1.67
HID1I	WRHCZ11	CON	2_LT_MH70i	2	1	0	1.67
HID13MV	COLCZ11	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ11	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ11	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	GRCCZ11	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	HLTCZ11	CON	1_LT_EXMV400	1	1	0	0
HID13MV	HLTCZ11	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LDGCZ11	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ11	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ11	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ11	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ11	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	MSCCZ11	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	REFCZ11	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	REFCZ11	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13MV	RETCZ11	CON	1_LT_EXMV400	1	1	1	0.04
HID13MV	RETCZ11	CON	2_LT_EXPS250mv	2	1	0	0.04
HID13MV	RSTCZ11	CON	1_LT_EXMV400	1	1	0	0
HID13MV	RSTCZ11	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SCHCZ11	CON	1_LT_EXMV400	1	1	0	0
HID13MV	SCHCZ11	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ11	CON	1_LT_EXMV400	1	1	1	0.03
HID13MV	SMOCZ11	CON	2_LT_EXPS250mv	2	1	0	0.03
HID13MV	WRHCZ11	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	WRHCZ11	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13I	COLCZ11	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ11	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ11	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ11	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ11	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ11	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ11	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ11	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ11	CON	1_LT_EXINC700	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ11	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ11	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	MSCCZ11	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	REFCZ11	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ11	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ11	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RETCZ11	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	RSTCZ11	CON	1_LT_EXINC700	1	1	0	0.01
HID13I	RSTCZ11	CON	2_LT_EXPS250i	2	1	1	0.01
HID13I	SCHCZ11	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ11	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ11	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ11	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ11	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ11	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ11	CON	1_LT_EXMV250	1	1	1	0
HID12MV	COLCZ11	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ11	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	GRCCZ11	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	HLTCZ11	CON	1_LT_EXMV250	1	1	0	0
HID12MV	HLTCZ11	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ11	CON	1_LT_EXMV250	1	1	0	0
HID12MV	LDGCZ11	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ11	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LGOCZ11	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	MSCCZ11	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	MSCCZ11	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	REFCZ11	CON	1_LT_EXMV250	1	1	0	0
HID12MV	REFCZ11	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	RETCZ11	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ11	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ11	CON	1_LT_EXMV250	1	1	0	0
HID12MV	RSTCZ11	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ11	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SCHCZ11	CON	2_LT_EXPS175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ11	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SMOCZ11	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ11	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ11	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ11	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ11	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ11	CON	1_LT_EXINC500	1	1	0	0.01
HID12I	GRCCZ11	CON	2_LT_EXPS175i	2	1	1	0.01
HID12I	HLTCZ11	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ11	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ11	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ11	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ11	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ11	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ11	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ11	CON	2_LT_EXPS175i	2	1	0	0
HID12I	REFCZ11	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ11	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ11	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ11	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ11	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ11	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ11	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ11	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ11	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ11	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ11	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ11	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ11	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ11	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ11	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	GRCCZ11	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	HLTCZ11	CON	1_LT_EXMV175	1	1	0	0
HID11MV	HLTCZ11	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LDGCZ11	CON	1_LT_EXMV175	1	1	1	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ11	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ11	CON	1_LT_EXMV175	1	1	1	0
HID11MV	LGOCZ11	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	MSCCZ11	CON	1_LT_EXMV175	1	1	1	0.19
HID11MV	MSCCZ11	CON	2_LT_EXMH100mv	2	1	0	0.19
HID11MV	REFCZ11	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ11	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ11	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RETCZ11	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RSTCZ11	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RSTCZ11	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	SCHCZ11	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	SCHCZ11	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	SMOCZ11	CON	1_LT_EXMV175	1	1	1	0.08
HID11MV	SMOCZ11	CON	2_LT_EXMH100mv	2	1	0	0.08
HID11MV	WRHCZ11	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	WRHCZ11	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11I	COLCZ11	CON	1_LT_EXINC300	1	1	0	0
HID11I	COLCZ11	CON	2_LT_EXMH100i	2	1	1	0
HID11I	GRCCZ11	CON	1_LT_EXINC300	1	1	0.19	0.05
HID11I	GRCCZ11	CON	2_LT_EXMH100i	2	1	0.81	0.05
HID11I	HLTCZ11	CON	1_LT_EXINC300	1	1	0	0.13
HID11I	HLTCZ11	CON	2_LT_EXMH100i	2	1	1	0.13
HID11I	LDGCZ11	CON	1_LT_EXINC300	1	1	0.02	0.05
HID11I	LDGCZ11	CON	2_LT_EXMH100i	2	1	0.98	0.05
HID11I	LGOCZ11	CON	1_LT_EXINC300	1	1	0.01	0.01
HID11I	LGOCZ11	CON	2_LT_EXMH100i	2	1	0.99	0.01
HID11I	MSCCZ11	CON	1_LT_EXINC300	1	1	0.06	0.06
HID11I	MSCCZ11	CON	2_LT_EXMH100i	2	1	0.94	0.06
HID11I	REFCZ11	CON	1_LT_EXINC300	1	1	0	0.01
HID11I	REFCZ11	CON	2_LT_EXMH100i	2	1	1	0.01
HID11I	RETCZ11	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ11	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ11	CON	1_LT_EXINC300	1	1	0.33	0.01
HID11I	RSTCZ11	CON	2_LT_EXMH100i	2	1	0.67	0.01



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ11	CON	1_LT_EXINC300	1	1	0.15	0.05
HID11I	SCHCZ11	CON	2_LT_EXMH100i	2	1	0.85	0.05
HID11I	SMOCZ11	CON	1_LT_EXINC300	1	1	0	0.32
HID11I	SMOCZ11	CON	2_LT_EXMH100i	2	1	1	0.32
HID11I	WRHCZ11	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	WRHCZ11	CON	2_LT_EXMH100i	2	1	1	0.02
FLUOR4A	COLCZ11	CON	1_LT_8T12	1	1	1	0.05
FLUOR4A	COLCZ11	CON	2_LT_8T82ndG	2	1	0	0.05
FLUOR4A	GRCCZ11	CON	1_LT_8T12	1	1	0.52	2.58
FLUOR4A	GRCCZ11	CON	2_LT_8T82ndG	2	1	0.48	2.58
FLUOR4A	HLTCZ11	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	HLTCZ11	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	LDGCZ11	CON	1_LT_8T12	1	1	1	0.02
FLUOR4A	LDGCZ11	CON	2_LT_8T82ndG	2	1	0	0.02
FLUOR4A	LGOCZ11	CON	1_LT_8T12	1	1	0.9	0.13
FLUOR4A	LGOCZ11	CON	2_LT_8T82ndG	2	1	0.1	0.13
FLUOR4A	MSCCZ11	CON	1_LT_8T12	1	1	0.98	1.22
FLUOR4A	MSCCZ11	CON	2_LT_8T82ndG	2	1	0.02	1.22
FLUOR4A	REFCZ11	CON	1_LT_8T12	1	1	0.97	1.17
FLUOR4A	REFCZ11	CON	2_LT_8T82ndG	2	1	0.03	1.17
FLUOR4A	RETCZ11	CON	1_LT_8T12	1	1	0.66	1.13
FLUOR4A	RETCZ11	CON	2_LT_8T82ndG	2	1	0.34	1.13
FLUOR4A	RSTCZ11	CON	1_LT_8T12	1	1	0.93	0.95
FLUOR4A	RSTCZ11	CON	2_LT_8T82ndG	2	1	0.07	0.95
FLUOR4A	SCHCZ11	CON	1_LT_8T12	1	1	0.9	0.53
FLUOR4A	SCHCZ11	CON	2_LT_8T82ndG	2	1	0.1	0.53
FLUOR4A	SMOCZ11	CON	1_LT_8T12	1	1	0.37	0.18
FLUOR4A	SMOCZ11	CON	2_LT_8T82ndG	2	1	0.63	0.18
FLUOR4A	WRHCZ11	CON	1_LT_8T12	1	1	0.99	1.79
FLUOR4A	WRHCZ11	CON	2_LT_8T82ndG	2	1	0.01	1.79
FLUOR1A	COLCZ11	CON	1_LT_4T12	1	1	0.6	7.5
FLUOR1A	COLCZ11	CON	2_LT_4T8_5	2	1	0.4	7.5
FLUOR1A	GRCCZ11	CON	1_LT_4T12	1	1	0.08	9.03
FLUOR1A	GRCCZ11	CON	2_LT_4T8_5	2	1	0.92	9.03
FLUOR1A	HLTCZ11	CON	1_LT_4T12	1	1	0.15	5.95

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ11	CON	2_LT_4T8_5	2	1	0.85	5.95
FLUOR1A	LDGCZ11	CON	1_LT_4T12	1	1	0.38	0.93
FLUOR1A	LDGCZ11	CON	2_LT_4T8_5	2	1	0.62	0.93
FLUOR1A	LGOCZ11	CON	1_LT_4T12	1	1	0.11	4.87
FLUOR1A	LGOCZ11	CON	2_LT_4T8_5	2	1	0.89	4.87
FLUOR1A	MSCCZ11	CON	1_LT_4T12	1	1	0.41	2.15
FLUOR1A	MSCCZ11	CON	2_LT_4T8_5	2	1	0.59	2.15
FLUOR1A	REFCZ11	CON	1_LT_4T12	1	1	0.43	0.88
FLUOR1A	REFCZ11	CON	2_LT_4T8_5	2	1	0.57	0.88
FLUOR1A	RETCZ11	CON	1_LT_4T12	1	1	0.13	4.27
FLUOR1A	RETCZ11	CON	2_LT_4T8_5	2	1	0.87	4.27
FLUOR1A	RSTCZ11	CON	1_LT_4T12	1	1	0.76	2.04
FLUOR1A	RSTCZ11	CON	2_LT_4T8_5	2	1	0.24	2.04
FLUOR1A	SCHCZ11	CON	1_LT_4T12	1	1	0.23	5.4
FLUOR1A	SCHCZ11	CON	2_LT_4T8_5	2	1	0.77	5.4
FLUOR1A	SMOCZ11	CON	1_LT_4T12	1	1	0.18	3.97
FLUOR1A	SMOCZ11	CON	2_LT_4T8_5	2	1	0.82	3.97
FLUOR1A	WRHCZ11	CON	1_LT_4T12	1	1	0.23	1.14
FLUOR1A	WRHCZ11	CON	2_LT_4T8_5	2	1	0.77	1.14
EXIT1	COLCZ11	RET	2_LT_EXLED	1	1	0.83	0.45
EXIT1	GRCCZ11	RET	2_LT_EXLED	1	1	0.64	0.22
EXIT1	HLTCZ11	RET	2_LT_EXLED	1	1	0.72	0.48
EXIT1	LDGCZ11	RET	2_LT_EXLED	1	1	0.04	0.38
EXIT1	LGOCZ11	RET	2_LT_EXLED	1	1	0.55	0.48
EXIT1	MSCCZ11	RET	2_LT_EXLED	1	1	0.56	0.55
EXIT1	REFCZ11	RET	2_LT_EXLED	1	1	0.44	0.14
EXIT1	RETCZ11	RET	2_LT_EXLED	1	1	0.29	0.27
EXIT1	RSTCZ11	RET	2_LT_EXLED	1	1	0.32	0.8
EXIT1	SCHCZ11	RET	2_LT_EXLED	1	1	0.48	0.24
EXIT1	SMOCZ11	RET	2_LT_EXLED	1	1	0.75	0.79
EXIT1	WRHCZ11	RET	2_LT_EXLED	1	1	0.84	0.16
DL1	COLCZ11	RET	2_LT_DLInst	1	0	0	47.3
DL1	GRCCZ11	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ11	RET	2_LT_DLInst	1	0	0	14.99
DL1	LDGCZ11	RET	2_LT_DLInst	1	0	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ11	RET	2_LT_DLInst	1	0.12	0	24.58
DL1	MSCCZ11	RET	2_LT_DLInst	1	0	0	31.64
DL1	REFCZ11	RET	2_LT_DLInst	1	0	0	12.54
DL1	RETCZ11	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ11	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ11	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ11	RET	2_LT_DLInst	1	0.07	0	31.41
DL1	WRHCZ11	RET	2_LT_DLInst	1	0.01	0	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ12	RET	2_LT_RFLCSpec8	1	0	0	6.71
RFLC2	GRCCZ12	RET	2_LT_RFLCSpec8	1	0.07	0	5.82
RFLC2	HLTCZ12	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LDGCZ12	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ12	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ12	RET	2_LT_RFLCSpec8	1	0.02	0	2.61
RFLC2	REFCZ12	RET	2_LT_RFLCSpec8	1	0	0	0.28
RFLC2	RETCZ12	RET	2_LT_RFLCSpec8	1	0.01	0	4.31
RFLC2	RSTCZ12	RET	2_LT_RFLCSpec8	1	0.01	0	3.77
RFLC2	SCHCZ12	RET	2_LT_RFLCSpec8	1	0.01	0	3.69
RFLC2	SMOCZ12	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	WRHCZ12	RET	2_LT_RFLCSpec8	1	0.01	0	1.84
RFLC1	COLCZ12	RET	2_LT_RFLCSpec4	1	0.39	0.01	5.75
RFLC1	GRCCZ12	RET	2_LT_RFLCSpec4	1	0.36	0	3.9
RFLC1	HLTCZ12	RET	2_LT_RFLCSpec4	1	0.41	0	6.21
RFLC1	LDGCZ12	RET	2_LT_RFLCSpec4	1	0.04	0	3.35
RFLC1	LGOCZ12	RET	2_LT_RFLCSpec4	1	0.62	0.04	8.24
RFLC1	MSCCZ12	RET	2_LT_RFLCSpec4	1	0.17	0	6.06
RFLC1	REFCZ12	RET	2_LT_RFLCSpec4	1	0.11	0	3.9
RFLC1	RETCZ12	RET	2_LT_RFLCSpec4	1	0.41	0.01	6.77
RFLC1	RSTCZ12	RET	2_LT_RFLCSpec4	1	0.24	0	8.85
RFLC1	SCHCZ12	RET	2_LT_RFLCSpec4	1	0.48	0	8.18
RFLC1	SMOCZ12	RET	2_LT_RFLCSpec4	1	0.44	0	7.13
RFLC1	WRHCZ12	RET	2_LT_RFLCSpec4	1	0.16	0	5.04
PC1	COLCZ12	CON	1_LT_PCNoCtrl	1	1	0.09	0.29
PC1	COLCZ12	CON	2_LT_PCPC	2	1	0.54	0.29
PC1	COLCZ12	CON	3_LT_PCTC	3	1	0.06	0.29
PC1	COLCZ12	CON	4_LT_PCPT	4	1	0.15	0.29
PC1	GRCCZ12	CON	1_LT_PCNoCtrl	1	1	0	1.31
PC1	GRCCZ12	CON	2_LT_PCPC	2	1	0.56	1.31
PC1	GRCCZ12	CON	3_LT_PCTC	3	1	0.19	1.31
PC1	GRCCZ12	CON	4_LT_PCPT	4	1	0.08	1.31
PC1	HLTCZ12	CON	1_LT_PCNoCtrl	1	1	0.01	0.35
PC1	HLTCZ12	CON	2_LT_PCPC	2	1	0.51	0.35
PC1	HLTCZ12	CON	3_LT_PCTC	3	1	0.28	0.35

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ12	CON	4_LT_PCPT	4	1	0.06	0.35
PC1	LDGCZ12	CON	1_LT_PCNoCtrl	1	1	0.09	0.47
PC1	LDGCZ12	CON	2_LT_PCPC	2	1	0.58	0.47
PC1	LDGCZ12	CON	3_LT_PCTC	3	1	0.02	0.47
PC1	LDGCZ12	CON	4_LT_PCPT	4	1	0.15	0.47
PC1	LGOCZ12	CON	1_LT_PCNoCtrl	1	1	0	0.23
PC1	LGOCZ12	CON	2_LT_PCPC	2	1	0.45	0.23
PC1	LGOCZ12	CON	3_LT_PCTC	3	1	0.25	0.23
PC1	LGOCZ12	CON	4_LT_PCPT	4	1	0.14	0.23
PC1	MSCCZ12	CON	1_LT_PCNoCtrl	1	1	0.01	0.77
PC1	MSCCZ12	CON	2_LT_PCPC	2	1	0.44	0.77
PC1	MSCCZ12	CON	3_LT_PCTC	3	1	0.33	0.77
PC1	MSCCZ12	CON	4_LT_PCPT	4	1	0.1	0.77
PC1	REFCZ12	CON	1_LT_PCNoCtrl	1	1	0	0.18
PC1	REFCZ12	CON	2_LT_PCPC	2	1	0.66	0.18
PC1	REFCZ12	CON	3_LT_PCTC	3	1	0.19	0.18
PC1	REFCZ12	CON	4_LT_PCPT	4	1	0.11	0.18
PC1	RETCZ12	CON	1_LT_PCNoCtrl	1	1	0	0.57
PC1	RETCZ12	CON	2_LT_PCPC	2	1	0.32	0.57
PC1	RETCZ12	CON	3_LT_PCTC	3	1	0.21	0.57
PC1	RETCZ12	CON	4_LT_PCPT	4	1	0.2	0.57
PC1	RSTCZ12	CON	1_LT_PCNoCtrl	1	1	0	1.04
PC1	RSTCZ12	CON	2_LT_PCPC	2	1	0.3	1.04
PC1	RSTCZ12	CON	3_LT_PCTC	3	1	0.24	1.04
PC1	RSTCZ12	CON	4_LT_PCPT	4	1	0.15	1.04
PC1	SCHCZ12	CON	1_LT_PCNoCtrl	1	1	0	0.32
PC1	SCHCZ12	CON	2_LT_PCPC	2	1	0.28	0.32
PC1	SCHCZ12	CON	3_LT_PCTC	3	1	0.48	0.32
PC1	SCHCZ12	CON	4_LT_PCPT	4	1	0.16	0.32
PC1	SMOCZ12	CON	1_LT_PCNoCtrl	1	1	0.07	0.97
PC1	SMOCZ12	CON	2_LT_PCPC	2	1	0.35	0.97
PC1	SMOCZ12	CON	3_LT_PCTC	3	1	0.14	0.97
PC1	SMOCZ12	CON	4_LT_PCPT	4	1	0.08	0.97
PC1	WRHCZ12	CON	1_LT_PCNoCtrl	1	1	0	0.3
PC1	WRHCZ12	CON	2_LT_PCPC	2	1	0.61	0.3

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ12	CON	3_LT_PCTC	3	1	0.19	0.3
PC1	WRHCZ12	CON	4_LT_PCPT	4	1	0.1	0.3
OCC2	COLCZ12	RET	2_LT_OCCPCDInst	1	0.64	0	3.09
OCC2	GRCCZ12	RET	2_LT_OCCPCDInst	1	0.58	0	0.46
OCC2	HLTCZ12	RET	2_LT_OCCPCDInst	1	0.54	0	2.52
OCC2	LDGCZ12	RET	2_LT_OCCPCDInst	1	0.13	0	0.96
OCC2	LGOCZ12	RET	2_LT_OCCPCDInst	1	0.9	0	3.84
OCC2	MSCCZ12	RET	2_LT_OCCPCDInst	1	0.31	0	1.86
OCC2	REFCZ12	RET	2_LT_OCCPCDInst	1	0.28	0	0.92
OCC2	RETCZ12	RET	2_LT_OCCPCDInst	1	0.68	0	0.73
OCC2	RSTCZ12	RET	2_LT_OCCPCDInst	1	0.22	0	1.09
OCC2	SCHCZ12	RET	2_LT_OCCPCDInst	1	0.73	0	3.22
OCC2	SMOCZ12	RET	2_LT_OCCPCDInst	1	0.87	0	3.41
OCC2	WRHCZ12	RET	2_LT_OCCPCDInst	1	0.5	0	0.98
OCC1	COLCZ12	RET	2_LT_OCCMS	1	0.55	0.03	2.06
OCC1	GRCCZ12	RET	2_LT_OCCMS	1	0.1	0	1.68
OCC1	HLTCZ12	RET	2_LT_OCCMS	1	0.13	0	1.83
OCC1	LDGCZ12	RET	2_LT_OCCMS	1	0.04	0	1.21
OCC1	LGOCZ12	RET	2_LT_OCCMS	1	0.66	0.13	2.16
OCC1	MSCCZ12	RET	2_LT_OCCMS	1	0.21	0	1.51
OCC1	REFCZ12	RET	2_LT_OCCMS	1	0.33	0	0.75
OCC1	RETCZ12	RET	2_LT_OCCMS	1	0.17	0.01	1.6
OCC1	RSTCZ12	RET	2_LT_OCCMS	1	0.07	0	1.18
OCC1	SCHCZ12	RET	2_LT_OCCMS	1	0.67	0.02	2.56
OCC1	SMOCZ12	RET	2_LT_OCCMS	1	0.58	0	1.83
OCC1	WRHCZ12	RET	2_LT_OCCMS	1	0.64	0.03	1.08
INCAN6	COLCZ12	CON	1_LT_IRIP60	1	1	0.99	0.47
INCAN6	COLCZ12	CON	2_LT_CRCP14s	2	1	0.01	0.47
INCAN6	GRCCZ12	CON	1_LT_IRIP60	1	1	1	0.59
INCAN6	GRCCZ12	CON	2_LT_CRCP14s	2	1	0	0.59
INCAN6	HLTCZ12	CON	1_LT_IRIP60	1	1	0.95	0.79
INCAN6	HLTCZ12	CON	2_LT_CRCP14s	2	1	0.05	0.79
INCAN6	LDGCZ12	CON	1_LT_IRIP60	1	1	0.59	0.41
INCAN6	LDGCZ12	CON	2_LT_CRCP14s	2	1	0.41	0.41
INCAN6	LGOCZ12	CON	1_LT_IRIP60	1	1	0.91	0.22

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ12	CON	2_LT_CRCP14s	2	1	0.09	0.22
INCAN6	MSCCZ12	CON	1_LT_IRIP60	1	1	0.95	0.15
INCAN6	MSCCZ12	CON	2_LT_CRCP14s	2	1	0.05	0.15
INCAN6	REFCZ12	CON	1_LT_IRIP60	1	1	0.98	0.02
INCAN6	REFCZ12	CON	2_LT_CRCP14s	2	1	0.02	0.02
INCAN6	RETCZ12	CON	1_LT_IRIP60	1	1	0.97	1.6
INCAN6	RETCZ12	CON	2_LT_CRCP14s	2	1	0.03	1.6
INCAN6	RSTCZ12	CON	1_LT_IRIP60	1	1	0.92	1.52
INCAN6	RSTCZ12	CON	2_LT_CRCP14s	2	1	0.08	1.52
INCAN6	SCHCZ12	CON	1_LT_IRIP60	1	1	0.85	0.1
INCAN6	SCHCZ12	CON	2_LT_CRCP14s	2	1	0.15	0.1
INCAN6	SMOCZ12	CON	1_LT_IRIP60	1	1	1	1.5
INCAN6	SMOCZ12	CON	2_LT_CRCP14s	2	1	0	1.5
INCAN6	WRHCZ12	CON	1_LT_IRIP60	1	1	0.95	0.04
INCAN6	WRHCZ12	CON	2_LT_CRCP14s	2	1	0.05	0.04
INCAN5	COLCZ12	CON	1_LT_INC120	1	1	0.05	0.23
INCAN5	COLCZ12	CON	2_LT_CFL38s	2	1	0	0.23
INCAN5	COLCZ12	CON	3_LT_CFL38p	3	1	0.95	0.23
INCAN5	GRCCZ12	CON	1_LT_INC120	1	1	0.36	0.07
INCAN5	GRCCZ12	CON	2_LT_CFL38s	2	1	0.02	0.07
INCAN5	GRCCZ12	CON	3_LT_CFL38p	3	1	0.62	0.07
INCAN5	HLTCZ12	CON	1_LT_INC120	1	1	0.52	0.34
INCAN5	HLTCZ12	CON	2_LT_CFL38s	2	1	0.17	0.34
INCAN5	HLTCZ12	CON	3_LT_CFL38p	3	1	0.31	0.34
INCAN5	LDGCZ12	CON	1_LT_INC120	1	1	0.35	3.04
INCAN5	LDGCZ12	CON	2_LT_CFL38s	2	1	0.49	3.04
INCAN5	LDGCZ12	CON	3_LT_CFL38p	3	1	0.16	3.04
INCAN5	LGOCZ12	CON	1_LT_INC120	1	1	0.45	0.06
INCAN5	LGOCZ12	CON	2_LT_CFL38s	2	1	0.15	0.06
INCAN5	LGOCZ12	CON	3_LT_CFL38p	3	1	0.4	0.06
INCAN5	MSCCZ12	CON	1_LT_INC120	1	1	0.48	0.24
INCAN5	MSCCZ12	CON	2_LT_CFL38s	2	1	0.5	0.24
INCAN5	MSCCZ12	CON	3_LT_CFL38p	3	1	0.02	0.24
INCAN5	REFCZ12	CON	1_LT_INC120	1	1	1	0.07
INCAN5	REFCZ12	CON	2_LT_CFL38s	2	1	0	0.07

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ12	CON	3_LT_CFL38p	3	1	0	0.07
INCAN5	RETCZ12	CON	1_LT_INC120	1	1	0.38	0.19
INCAN5	RETCZ12	CON	2_LT_CFL38s	2	1	0.61	0.19
INCAN5	RETCZ12	CON	3_LT_CFL38p	3	1	0.02	0.19
INCAN5	RSTCZ12	CON	1_LT_INC120	1	1	1	0.57
INCAN5	RSTCZ12	CON	2_LT_CFL38s	2	1	0	0.57
INCAN5	RSTCZ12	CON	3_LT_CFL38p	3	1	0	0.57
INCAN5	SCHCZ12	CON	1_LT_INC120	1	1	0.29	0.29
INCAN5	SCHCZ12	CON	2_LT_CFL38s	2	1	0.03	0.29
INCAN5	SCHCZ12	CON	3_LT_CFL38p	3	1	0.68	0.29
INCAN5	SMOCZ12	CON	1_LT_INC120	1	1	1	0.29
INCAN5	SMOCZ12	CON	2_LT_CFL38s	2	1	0	0.29
INCAN5	SMOCZ12	CON	3_LT_CFL38p	3	1	0	0.29
INCAN5	WRHCZ12	CON	1_LT_INC120	1	1	1	0
INCAN5	WRHCZ12	CON	2_LT_CFL38s	2	1	0	0
INCAN5	WRHCZ12	CON	3_LT_CFL38p	3	1	0	0
INCAN3	COLCZ12	CON	1_LT_INC75	1	1	0.27	0.33
INCAN3	COLCZ12	CON	2_LT_CFL20s	2	1	0.55	0.33
INCAN3	COLCZ12	CON	3_LT_CFL20p	3	1	0.19	0.33
INCAN3	GRCCZ12	CON	1_LT_INC75	1	1	0.35	0.09
INCAN3	GRCCZ12	CON	2_LT_CFL20s	2	1	0.65	0.09
INCAN3	GRCCZ12	CON	3_LT_CFL20p	3	1	0	0.09
INCAN3	HLTCZ12	CON	1_LT_INC75	1	1	0.5	1.97
INCAN3	HLTCZ12	CON	2_LT_CFL20s	2	1	0.21	1.97
INCAN3	HLTCZ12	CON	3_LT_CFL20p	3	1	0.29	1.97
INCAN3	LDGCZ12	CON	1_LT_INC75	1	1	0.08	3.94
INCAN3	LDGCZ12	CON	2_LT_CFL20s	2	1	0.67	3.94
INCAN3	LDGCZ12	CON	3_LT_CFL20p	3	1	0.25	3.94
INCAN3	LGOCZ12	CON	1_LT_INC75	1	1	0.02	1.4
INCAN3	LGOCZ12	CON	2_LT_CFL20s	2	1	0.47	1.4
INCAN3	LGOCZ12	CON	3_LT_CFL20p	3	1	0.51	1.4
INCAN3	MSCCZ12	CON	1_LT_INC75	1	1	0.32	0.6
INCAN3	MSCCZ12	CON	2_LT_CFL20s	2	1	0.37	0.6
INCAN3	MSCCZ12	CON	3_LT_CFL20p	3	1	0.31	0.6
INCAN3	REFCZ12	CON	1_LT_INC75	1	1	0.83	0.03



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ12	CON	2_LT_CFL20s	2	1	0.17	0.03
INCAN3	REFCZ12	CON	3_LT_CFL20p	3	1	0	0.03
INCAN3	RETCZ12	CON	1_LT_INC75	1	1	0.2	0.37
INCAN3	RETCZ12	CON	2_LT_CFL20s	2	1	0.61	0.37
INCAN3	RETCZ12	CON	3_LT_CFL20p	3	1	0.19	0.37
INCAN3	RSTCZ12	CON	1_LT_INC75	1	1	0.49	2.85
INCAN3	RSTCZ12	CON	2_LT_CFL20s	2	1	0.41	2.85
INCAN3	RSTCZ12	CON	3_LT_CFL20p	3	1	0.11	2.85
INCAN3	SCHCZ12	CON	1_LT_INC75	1	1	0.64	0.09
INCAN3	SCHCZ12	CON	2_LT_CFL20s	2	1	0	0.09
INCAN3	SCHCZ12	CON	3_LT_CFL20p	3	1	0.36	0.09
INCAN3	SMOCZ12	CON	1_LT_INC75	1	1	0.04	0.8
INCAN3	SMOCZ12	CON	2_LT_CFL20s	2	1	0.25	0.8
INCAN3	SMOCZ12	CON	3_LT_CFL20p	3	1	0.71	0.8
INCAN3	WRHCZ12	CON	1_LT_INC75	1	1	0.12	0.06
INCAN3	WRHCZ12	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ12	CON	3_LT_CFL20p	3	1	0.7	0.06
INCAN2	COLCZ12	CON	1_LT_INC60	1	1	0.75	0.37
INCAN2	COLCZ12	CON	2_LT_CFL15s	2	1	0.16	0.37
INCAN2	COLCZ12	CON	3_LT_CFL15p	3	1	0.09	0.37
INCAN2	GRCCZ12	CON	1_LT_INC60	1	1	0.62	0.14
INCAN2	GRCCZ12	CON	2_LT_CFL15s	2	1	0.17	0.14
INCAN2	GRCCZ12	CON	3_LT_CFL15p	3	1	0.21	0.14
INCAN2	HLTCZ12	CON	1_LT_INC60	1	1	0.6	1.48
INCAN2	HLTCZ12	CON	2_LT_CFL15s	2	1	0.26	1.48
INCAN2	HLTCZ12	CON	3_LT_CFL15p	3	1	0.14	1.48
INCAN2	LDGCZ12	CON	1_LT_INC60	1	1	0.44	4.74
INCAN2	LDGCZ12	CON	2_LT_CFL15s	2	1	0.32	4.74
INCAN2	LDGCZ12	CON	3_LT_CFL15p	3	1	0.24	4.74
INCAN2	LGOCZ12	CON	1_LT_INC60	1	1	0.22	0.72
INCAN2	LGOCZ12	CON	2_LT_CFL15s	2	1	0.25	0.72
INCAN2	LGOCZ12	CON	3_LT_CFL15p	3	1	0.53	0.72
INCAN2	MSCCZ12	CON	1_LT_INC60	1	1	0.95	1.93
INCAN2	MSCCZ12	CON	2_LT_CFL15s	2	1	0.03	1.93
INCAN2	MSCCZ12	CON	3_LT_CFL15p	3	1	0.02	1.93

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ12	CON	1_LT_INC60	1	1	0.88	0.03
INCAN2	REFCZ12	CON	2_LT_CFL15s	2	1	0.12	0.03
INCAN2	REFCZ12	CON	3_LT_CFL15p	3	1	0	0.03
INCAN2	RETCZ12	CON	1_LT_INC60	1	1	0.12	0.96
INCAN2	RETCZ12	CON	2_LT_CFL15s	2	1	0.41	0.96
INCAN2	RETCZ12	CON	3_LT_CFL15p	3	1	0.47	0.96
INCAN2	RSTCZ12	CON	1_LT_INC60	1	1	0.56	2.69
INCAN2	RSTCZ12	CON	2_LT_CFL15s	2	1	0.4	2.69
INCAN2	RSTCZ12	CON	3_LT_CFL15p	3	1	0.04	2.69
INCAN2	SCHCZ12	CON	1_LT_INC60	1	1	0.53	0.4
INCAN2	SCHCZ12	CON	2_LT_CFL15s	2	1	0.35	0.4
INCAN2	SCHCZ12	CON	3_LT_CFL15p	3	1	0.12	0.4
INCAN2	SMOCZ12	CON	1_LT_INC60	1	1	0.92	0.51
INCAN2	SMOCZ12	CON	2_LT_CFL15s	2	1	0.01	0.51
INCAN2	SMOCZ12	CON	3_LT_CFL15p	3	1	0.07	0.51
INCAN2	WRHCZ12	CON	1_LT_INC60	1	1	0.82	0.09
INCAN2	WRHCZ12	CON	2_LT_CFL15s	2	1	0.18	0.09
INCAN2	WRHCZ12	CON	3_LT_CFL15p	3	1	0	0.09
INCAN1	COLCZ12	CON	1_LT_INC40	1	1	0.98	0.1
INCAN1	COLCZ12	CON	2_LT_CFL10_5s	2	1	0	0.1
INCAN1	COLCZ12	CON	3_LT_CFL10_5p	3	1	0.02	0.1
INCAN1	GRCCZ12	CON	1_LT_INC40	1	1	0.7	0.01
INCAN1	GRCCZ12	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	GRCCZ12	CON	3_LT_CFL10_5p	3	1	0.3	0.01
INCAN1	HLTCZ12	CON	1_LT_INC40	1	1	0.9	0.53
INCAN1	HLTCZ12	CON	2_LT_CFL10_5s	2	1	0.02	0.53
INCAN1	HLTCZ12	CON	3_LT_CFL10_5p	3	1	0.08	0.53
INCAN1	LDGCZ12	CON	1_LT_INC40	1	1	0.71	1.54
INCAN1	LDGCZ12	CON	2_LT_CFL10_5s	2	1	0.12	1.54
INCAN1	LDGCZ12	CON	3_LT_CFL10_5p	3	1	0.17	1.54
INCAN1	LGOCZ12	CON	1_LT_INC40	1	1	0.22	0.27
INCAN1	LGOCZ12	CON	2_LT_CFL10_5s	2	1	0.31	0.27
INCAN1	LGOCZ12	CON	3_LT_CFL10_5p	3	1	0.47	0.27
INCAN1	MSCCZ12	CON	1_LT_INC40	1	1	0.97	0.1
INCAN1	MSCCZ12	CON	2_LT_CFL10_5s	2	1	0.03	0.1

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ12	CON	3_LT_CFL10_5p	3	1	0	0.1
INCAN1	REFCZ12	CON	1_LT_INC40	1	1	1	0.01
INCAN1	REFCZ12	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	REFCZ12	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	RETCZ12	CON	1_LT_INC40	1	1	1	0.04
INCAN1	RETCZ12	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	RETCZ12	CON	3_LT_CFL10_5p	3	1	0	0.04
INCAN1	RSTCZ12	CON	1_LT_INC40	1	1	0.98	0.93
INCAN1	RSTCZ12	CON	2_LT_CFL10_5s	2	1	0	0.93
INCAN1	RSTCZ12	CON	3_LT_CFL10_5p	3	1	0.02	0.93
INCAN1	SCHCZ12	CON	1_LT_INC40	1	1	0.3	0.08
INCAN1	SCHCZ12	CON	2_LT_CFL10_5s	2	1	0	0.08
INCAN1	SCHCZ12	CON	3_LT_CFL10_5p	3	1	0.7	0.08
INCAN1	SMOCZ12	CON	1_LT_INC40	1	1	0.99	0.9
INCAN1	SMOCZ12	CON	2_LT_CFL10_5s	2	1	0.01	0.9
INCAN1	SMOCZ12	CON	3_LT_CFL10_5p	3	1	0	0.9
INCAN1	WRHCZ12	CON	1_LT_INC40	1	1	0.91	0.04
INCAN1	WRHCZ12	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	WRHCZ12	CON	3_LT_CFL10_5p	3	1	0.09	0.04
HID6	COLCZ12	CON	1_LT_MH400	1	1	0	4
HID6	COLCZ12	CON	2_LT_PS320	2	1	0	4
HID6	COLCZ12	CON	3_LT_HIDT5HO	3	1	0	4
HID6	GRCCZ12	CON	1_LT_MH400	1	1	0	2.76
HID6	GRCCZ12	CON	2_LT_PS320	2	1	0.01	2.76
HID6	GRCCZ12	CON	3_LT_HIDT5HO	3	1	0	2.76
HID6	HLTCZ12	CON	1_LT_MH400	1	1	0	0
HID6	HLTCZ12	CON	2_LT_PS320	2	1	0	0
HID6	HLTCZ12	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LDGCZ12	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ12	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ12	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ12	CON	1_LT_MH400	1	1	0	0.54
HID6	LGOCZ12	CON	2_LT_PS320	2	1	0	0.54
HID6	LGOCZ12	CON	3_LT_HIDT5HO	3	1	0	0.54
HID6	MSCCZ12	CON	1_LT_MH400	1	1	0.04	1.58

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ12	CON	2_LT_PS320	2	1	0	1.58
HID6	MSCCZ12	CON	3_LT_HIDT5HO	3	1	0	1.58
HID6	REFCZ12	CON	1_LT_MH400	1	1	0.09	5.96
HID6	REFCZ12	CON	2_LT_PS320	2	1	0	5.96
HID6	REFCZ12	CON	3_LT_HIDT5HO	3	1	0	5.96
HID6	RETCZ12	CON	1_LT_MH400	1	1	0.05	2.86
HID6	RETCZ12	CON	2_LT_PS320	2	1	0.03	2.86
HID6	RETCZ12	CON	3_LT_HIDT5HO	3	1	0	2.86
HID6	RSTCZ12	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ12	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ12	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ12	CON	1_LT_MH400	1	1	0.02	3.64
HID6	SCHCZ12	CON	2_LT_PS320	2	1	0	3.64
HID6	SCHCZ12	CON	3_LT_HIDT5HO	3	1	0	3.64
HID6	SMOCZ12	CON	1_LT_MH400	1	1	0.1	0.7
HID6	SMOCZ12	CON	2_LT_PS320	2	1	0	0.7
HID6	SMOCZ12	CON	3_LT_HIDT5HO	3	1	0	0.7
HID6	WRHCZ12	CON	1_LT_MH400	1	1	0.27	1.42
HID6	WRHCZ12	CON	2_LT_PS320	2	1	0.03	1.42
HID6	WRHCZ12	CON	3_LT_HIDT5HO	3	1	0	1.42
HID4MV	COLCZ12	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ12	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ12	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ12	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ12	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ12	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ12	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ12	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ12	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ12	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ12	CON	1_LT_MV400	1	1	0	7.27
HID4MV	MSCCZ12	CON	2_LT_MH250mv	2	1	0	7.27
HID4MV	REFCZ12	CON	1_LT_MV400	1	1	0.02	5.71
HID4MV	REFCZ12	CON	2_LT_MH250mv	2	1	0.07	5.71
HID4MV	RETCZ12	CON	1_LT_MV400	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ12	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ12	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ12	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ12	CON	1_LT_MV400	1	1	0	0
HID4MV	SCHCZ12	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SMOCZ12	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ12	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ12	CON	1_LT_MV400	1	1	0.01	4.46
HID4MV	WRHCZ12	CON	2_LT_MH250mv	2	1	0.01	4.46
HID4I	COLCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ12	CON	2_LT_MH250i	2	1	0.02	0.45
HID4I	GRCCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ12	CON	2_LT_MH250i	2	1	0.04	0.41
HID4I	HLTCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ12	CON	2_LT_MH250i	2	1	0	0.19
HID4I	LDGCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ12	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ12	CON	2_LT_MH250i	2	1	0	0.97
HID4I	MSCCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ12	CON	2_LT_MH250i	2	1	0.02	0.83
HID4I	REFCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ12	CON	2_LT_MH250i	2	1	0.04	3.95
HID4I	RETCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ12	CON	2_LT_MH250i	2	1	0.04	0.15
HID4I	RSTCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ12	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ12	CON	2_LT_MH250i	2	1	0.01	0.81
HID4I	SMOCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ12	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ12	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ12	CON	2_LT_MH250i	2	1	0.09	0.34
HID3MV	COLCZ12	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ12	CON	2_LT_MH175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ12	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ12	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ12	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ12	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ12	CON	1_LT_MV250	1	1	0	0
HID3MV	LDGCZ12	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LGOCZ12	CON	1_LT_MV250	1	1	0	7.22
HID3MV	LGOCZ12	CON	2_LT_MH175mv	2	1	0	7.22
HID3MV	MSCCZ12	CON	1_LT_MV250	1	1	0	48.77
HID3MV	MSCCZ12	CON	2_LT_MH175mv	2	1	0	48.77
HID3MV	REFCZ12	CON	1_LT_MV250	1	1	0	0
HID3MV	REFCZ12	CON	2_LT_MH175mv	2	1	0	0
HID3MV	RETCZ12	CON	1_LT_MV250	1	1	0.01	1.72
HID3MV	RETCZ12	CON	2_LT_MH175mv	2	1	0	1.72
HID3MV	RSTCZ12	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ12	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ12	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ12	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ12	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ12	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ12	CON	1_LT_MV250	1	1	0	0
HID3MV	WRHCZ12	CON	2_LT_MH175mv	2	1	0	0
HID3I	COLCZ12	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ12	CON	2_LT_MH175i	2	1	0	0
HID3I	GRCCZ12	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ12	CON	2_LT_MH175i	2	1	0.04	1.08
HID3I	HLTCZ12	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ12	CON	2_LT_MH175i	2	1	0	35.66
HID3I	LDGCZ12	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ12	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ12	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ12	CON	2_LT_MH175i	2	1	0	0
HID3I	MSCCZ12	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ12	CON	2_LT_MH175i	2	1	0.03	0.66
HID3I	REFCZ12	CON	1_LT_INC500i	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ12	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ12	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ12	CON	2_LT_MH175i	2	1	0	0.15
HID3I	RSTCZ12	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ12	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ12	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ12	CON	2_LT_MH175i	2	1	0	3.2
HID3I	SMOCZ12	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ12	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ12	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ12	CON	2_LT_MH175i	2	1	0	4.43
HID2MV	COLCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ12	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	GRCCZ12	CON	2_LT_MH100mv	2	1	0	0
HID2MV	HLTCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ12	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ12	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ12	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ12	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ12	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ12	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ12	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ12	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ12	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ12	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ12	CON	2_LT_MH100mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ12	CON	1_LT_INC300	1	1	0.01	10.1
HID2I	COLCZ12	CON	2_LT_MH100i	2	1	0	10.1
HID2I	GRCCZ12	CON	1_LT_INC300	1	1	0.04	3.16
HID2I	GRCCZ12	CON	2_LT_MH100i	2	1	0.02	3.16
HID2I	HLTCZ12	CON	1_LT_INC300	1	1	0.01	1.09
HID2I	HLTCZ12	CON	2_LT_MH100i	2	1	0.01	1.09
HID2I	LDGCZ12	CON	1_LT_INC300	1	1	0.03	2.1
HID2I	LDGCZ12	CON	2_LT_MH100i	2	1	0	2.1
HID2I	LGOCZ12	CON	1_LT_INC300	1	1	0	0
HID2I	LGOCZ12	CON	2_LT_MH100i	2	1	0	0
HID2I	MSCCZ12	CON	1_LT_INC300	1	1	0.02	0.58
HID2I	MSCCZ12	CON	2_LT_MH100i	2	1	0	0.58
HID2I	REFCZ12	CON	1_LT_INC300	1	1	0.01	1.45
HID2I	REFCZ12	CON	2_LT_MH100i	2	1	0.02	1.45
HID2I	RETCZ12	CON	1_LT_INC300	1	1	0.03	25.23
HID2I	RETCZ12	CON	2_LT_MH100i	2	1	0	25.23
HID2I	RSTCZ12	CON	1_LT_INC300	1	1	0	0
HID2I	RSTCZ12	CON	2_LT_MH100i	2	1	0	0
HID2I	SCHCZ12	CON	1_LT_INC300	1	1	0	1.39
HID2I	SCHCZ12	CON	2_LT_MH100i	2	1	0	1.39
HID2I	SMOCZ12	CON	1_LT_INC300	1	1	0	0
HID2I	SMOCZ12	CON	2_LT_MH100i	2	1	0	0
HID2I	WRHCZ12	CON	1_LT_INC300	1	1	0.05	0.08
HID2I	WRHCZ12	CON	2_LT_MH100i	2	1	0	0.08
HID1MV	COLCZ12	CON	1_LT_MV100	1	1	0	0
HID1MV	COLCZ12	CON	2_LT_MH70mv	2	1	0	0
HID1MV	GRCCZ12	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ12	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ12	CON	1_LT_MV100	1	1	0	0
HID1MV	HLTCZ12	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LDGCZ12	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ12	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ12	CON	1_LT_MV100	1	1	0	0.15
HID1MV	LGOCZ12	CON	2_LT_MH70mv	2	1	0	0.15
HID1MV	MSCCZ12	CON	1_LT_MV100	1	1	0	0.69



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ12	CON	2_LT_MH70mv	2	1	0	0.69
HID1MV	REFCZ12	CON	1_LT_MV100	1	1	0	7.93
HID1MV	REFCZ12	CON	2_LT_MH70mv	2	1	0	7.93
HID1MV	RETCZ12	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ12	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ12	CON	1_LT_MV100	1	1	0	0.84
HID1MV	RSTCZ12	CON	2_LT_MH70mv	2	1	0	0.84
HID1MV	SCHCZ12	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ12	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ12	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ12	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ12	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ12	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ12	CON	1_LT_INC200	1	1	0	0
HID1I	COLCZ12	CON	2_LT_MH70i	2	1	0	0
HID1I	GRCCZ12	CON	1_LT_INC200	1	1	0	11.94
HID1I	GRCCZ12	CON	2_LT_MH70i	2	1	0	11.94
HID1I	HLTCZ12	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ12	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ12	CON	1_LT_INC200	1	1	0	0
HID1I	LDGCZ12	CON	2_LT_MH70i	2	1	0	0
HID1I	LGOCZ12	CON	1_LT_INC200	1	1	0	6.03
HID1I	LGOCZ12	CON	2_LT_MH70i	2	1	0	6.03
HID1I	MSCCZ12	CON	1_LT_INC200	1	1	0.01	12.69
HID1I	MSCCZ12	CON	2_LT_MH70i	2	1	0	12.69
HID1I	REFCZ12	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ12	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ12	CON	1_LT_INC200	1	1	0	168.81
HID1I	RETCZ12	CON	2_LT_MH70i	2	1	0	168.81
HID1I	RSTCZ12	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ12	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ12	CON	1_LT_INC200	1	1	0.01	11.99
HID1I	SCHCZ12	CON	2_LT_MH70i	2	1	0	11.99
HID1I	SMOCZ12	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ12	CON	2_LT_MH70i	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ12	CON	1_LT_INC200	1	1	0	1.67
HID1I	WRHCZ12	CON	2_LT_MH70i	2	1	0	1.67
HID13MV	COLCZ12	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ12	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ12	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	GRCCZ12	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	HLTCZ12	CON	1_LT_EXMV400	1	1	0	0
HID13MV	HLTCZ12	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LDGCZ12	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ12	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ12	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ12	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ12	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	MSCCZ12	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	REFCZ12	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	REFCZ12	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13MV	RETCZ12	CON	1_LT_EXMV400	1	1	1	0.04
HID13MV	RETCZ12	CON	2_LT_EXPS250mv	2	1	0	0.04
HID13MV	RSTCZ12	CON	1_LT_EXMV400	1	1	0	0
HID13MV	RSTCZ12	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SCHCZ12	CON	1_LT_EXMV400	1	1	0	0
HID13MV	SCHCZ12	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ12	CON	1_LT_EXMV400	1	1	1	0.03
HID13MV	SMOCZ12	CON	2_LT_EXPS250mv	2	1	0	0.03
HID13MV	WRHCZ12	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	WRHCZ12	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13I	COLCZ12	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ12	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ12	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ12	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ12	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ12	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ12	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ12	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ12	CON	1_LT_EXINC700	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ12	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ12	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	MSCCZ12	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	REFCZ12	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ12	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ12	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RETCZ12	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	RSTCZ12	CON	1_LT_EXINC700	1	1	0	0.01
HID13I	RSTCZ12	CON	2_LT_EXPS250i	2	1	1	0.01
HID13I	SCHCZ12	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ12	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ12	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ12	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ12	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ12	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ12	CON	1_LT_EXMV250	1	1	1	0
HID12MV	COLCZ12	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ12	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	GRCCZ12	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	HLTCZ12	CON	1_LT_EXMV250	1	1	0	0
HID12MV	HLTCZ12	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ12	CON	1_LT_EXMV250	1	1	0	0
HID12MV	LDGCZ12	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ12	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LGOCZ12	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	MSCCZ12	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	MSCCZ12	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	REFCZ12	CON	1_LT_EXMV250	1	1	0	0
HID12MV	REFCZ12	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	RETCZ12	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ12	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ12	CON	1_LT_EXMV250	1	1	0	0
HID12MV	RSTCZ12	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ12	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SCHCZ12	CON	2_LT_EXPS175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ12	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SMOCZ12	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ12	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ12	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ12	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ12	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ12	CON	1_LT_EXINC500	1	1	0	0.01
HID12I	GRCCZ12	CON	2_LT_EXPS175i	2	1	1	0.01
HID12I	HLTCZ12	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ12	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ12	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ12	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ12	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ12	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ12	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ12	CON	2_LT_EXPS175i	2	1	0	0
HID12I	REFCZ12	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ12	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ12	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ12	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ12	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ12	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ12	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ12	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ12	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ12	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ12	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ12	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ12	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ12	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ12	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	GRCCZ12	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	HLTCZ12	CON	1_LT_EXMV175	1	1	0	0
HID11MV	HLTCZ12	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LDGCZ12	CON	1_LT_EXMV175	1	1	1	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ12	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ12	CON	1_LT_EXMV175	1	1	1	0
HID11MV	LGOCZ12	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	MSCCZ12	CON	1_LT_EXMV175	1	1	1	0.19
HID11MV	MSCCZ12	CON	2_LT_EXMH100mv	2	1	0	0.19
HID11MV	REFCZ12	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ12	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ12	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RETCZ12	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RSTCZ12	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RSTCZ12	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	SCHCZ12	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	SCHCZ12	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	SMOCZ12	CON	1_LT_EXMV175	1	1	1	0.08
HID11MV	SMOCZ12	CON	2_LT_EXMH100mv	2	1	0	0.08
HID11MV	WRHCZ12	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	WRHCZ12	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11I	COLCZ12	CON	1_LT_EXINC300	1	1	0	0
HID11I	COLCZ12	CON	2_LT_EXMH100i	2	1	1	0
HID11I	GRCCZ12	CON	1_LT_EXINC300	1	1	0.19	0.05
HID11I	GRCCZ12	CON	2_LT_EXMH100i	2	1	0.81	0.05
HID11I	HLTCZ12	CON	1_LT_EXINC300	1	1	0	0.13
HID11I	HLTCZ12	CON	2_LT_EXMH100i	2	1	1	0.13
HID11I	LDGCZ12	CON	1_LT_EXINC300	1	1	0.02	0.05
HID11I	LDGCZ12	CON	2_LT_EXMH100i	2	1	0.98	0.05
HID11I	LGOCZ12	CON	1_LT_EXINC300	1	1	0.01	0.01
HID11I	LGOCZ12	CON	2_LT_EXMH100i	2	1	0.99	0.01
HID11I	MSCCZ12	CON	1_LT_EXINC300	1	1	0.06	0.06
HID11I	MSCCZ12	CON	2_LT_EXMH100i	2	1	0.94	0.06
HID11I	REFCZ12	CON	1_LT_EXINC300	1	1	0	0.01
HID11I	REFCZ12	CON	2_LT_EXMH100i	2	1	1	0.01
HID11I	RETCZ12	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ12	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ12	CON	1_LT_EXINC300	1	1	0.33	0.01
HID11I	RSTCZ12	CON	2_LT_EXMH100i	2	1	0.67	0.01

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ12	CON	1_LT_EXINC300	1	1	0.15	0.05
HID11I	SCHCZ12	CON	2_LT_EXMH100i	2	1	0.85	0.05
HID11I	SMOCZ12	CON	1_LT_EXINC300	1	1	0	0.32
HID11I	SMOCZ12	CON	2_LT_EXMH100i	2	1	1	0.32
HID11I	WRHCZ12	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	WRHCZ12	CON	2_LT_EXMH100i	2	1	1	0.02
FLUOR4A	COLCZ12	CON	1_LT_8T12	1	1	1	0.05
FLUOR4A	COLCZ12	CON	2_LT_8T82ndG	2	1	0	0.05
FLUOR4A	GRCCZ12	CON	1_LT_8T12	1	1	0.52	2.58
FLUOR4A	GRCCZ12	CON	2_LT_8T82ndG	2	1	0.48	2.58
FLUOR4A	HLTCZ12	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	HLTCZ12	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	LDGCZ12	CON	1_LT_8T12	1	1	1	0.02
FLUOR4A	LDGCZ12	CON	2_LT_8T82ndG	2	1	0	0.02
FLUOR4A	LGOCZ12	CON	1_LT_8T12	1	1	0.9	0.13
FLUOR4A	LGOCZ12	CON	2_LT_8T82ndG	2	1	0.1	0.13
FLUOR4A	MSCCZ12	CON	1_LT_8T12	1	1	0.98	1.22
FLUOR4A	MSCCZ12	CON	2_LT_8T82ndG	2	1	0.02	1.22
FLUOR4A	REFCZ12	CON	1_LT_8T12	1	1	0.97	1.17
FLUOR4A	REFCZ12	CON	2_LT_8T82ndG	2	1	0.03	1.17
FLUOR4A	RETCZ12	CON	1_LT_8T12	1	1	0.66	1.13
FLUOR4A	RETCZ12	CON	2_LT_8T82ndG	2	1	0.34	1.13
FLUOR4A	RSTCZ12	CON	1_LT_8T12	1	1	0.93	0.95
FLUOR4A	RSTCZ12	CON	2_LT_8T82ndG	2	1	0.07	0.95
FLUOR4A	SCHCZ12	CON	1_LT_8T12	1	1	0.9	0.53
FLUOR4A	SCHCZ12	CON	2_LT_8T82ndG	2	1	0.1	0.53
FLUOR4A	SMOCZ12	CON	1_LT_8T12	1	1	0.37	0.18
FLUOR4A	SMOCZ12	CON	2_LT_8T82ndG	2	1	0.63	0.18
FLUOR4A	WRHCZ12	CON	1_LT_8T12	1	1	0.99	1.79
FLUOR4A	WRHCZ12	CON	2_LT_8T82ndG	2	1	0.01	1.79
FLUOR1A	COLCZ12	CON	1_LT_4T12	1	1	0.6	7.5
FLUOR1A	COLCZ12	CON	2_LT_4T8_5	2	1	0.4	7.5
FLUOR1A	GRCCZ12	CON	1_LT_4T12	1	1	0.08	9.03
FLUOR1A	GRCCZ12	CON	2_LT_4T8_5	2	1	0.92	9.03
FLUOR1A	HLTCZ12	CON	1_LT_4T12	1	1	0.15	5.95

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ12	CON	2_LT_4T8_5	2	1	0.85	5.95
FLUOR1A	LDGCZ12	CON	1_LT_4T12	1	1	0.38	0.93
FLUOR1A	LDGCZ12	CON	2_LT_4T8_5	2	1	0.62	0.93
FLUOR1A	LGOCZ12	CON	1_LT_4T12	1	1	0.11	4.87
FLUOR1A	LGOCZ12	CON	2_LT_4T8_5	2	1	0.89	4.87
FLUOR1A	MSCCZ12	CON	1_LT_4T12	1	1	0.41	2.15
FLUOR1A	MSCCZ12	CON	2_LT_4T8_5	2	1	0.59	2.15
FLUOR1A	REFCZ12	CON	1_LT_4T12	1	1	0.43	0.88
FLUOR1A	REFCZ12	CON	2_LT_4T8_5	2	1	0.57	0.88
FLUOR1A	RETCZ12	CON	1_LT_4T12	1	1	0.13	4.27
FLUOR1A	RETCZ12	CON	2_LT_4T8_5	2	1	0.87	4.27
FLUOR1A	RSTCZ12	CON	1_LT_4T12	1	1	0.76	2.04
FLUOR1A	RSTCZ12	CON	2_LT_4T8_5	2	1	0.24	2.04
FLUOR1A	SCHCZ12	CON	1_LT_4T12	1	1	0.23	5.4
FLUOR1A	SCHCZ12	CON	2_LT_4T8_5	2	1	0.77	5.4
FLUOR1A	SMOCZ12	CON	1_LT_4T12	1	1	0.18	3.97
FLUOR1A	SMOCZ12	CON	2_LT_4T8_5	2	1	0.82	3.97
FLUOR1A	WRHCZ12	CON	1_LT_4T12	1	1	0.23	1.14
FLUOR1A	WRHCZ12	CON	2_LT_4T8_5	2	1	0.77	1.14
EXIT1	COLCZ12	RET	2_LT_EXLED	1	1	0.83	0.45
EXIT1	GRCCZ12	RET	2_LT_EXLED	1	1	0.64	0.22
EXIT1	HLTCZ12	RET	2_LT_EXLED	1	1	0.72	0.48
EXIT1	LDGCZ12	RET	2_LT_EXLED	1	1	0.04	0.38
EXIT1	LGOCZ12	RET	2_LT_EXLED	1	1	0.55	0.48
EXIT1	MSCCZ12	RET	2_LT_EXLED	1	1	0.56	0.55
EXIT1	REFCZ12	RET	2_LT_EXLED	1	1	0.44	0.14
EXIT1	RETCZ12	RET	2_LT_EXLED	1	1	0.29	0.27
EXIT1	RSTCZ12	RET	2_LT_EXLED	1	1	0.32	0.8
EXIT1	SCHCZ12	RET	2_LT_EXLED	1	1	0.48	0.24
EXIT1	SMOCZ12	RET	2_LT_EXLED	1	1	0.75	0.79
EXIT1	WRHCZ12	RET	2_LT_EXLED	1	1	0.84	0.16
DL1	COLCZ12	RET	2_LT_DLInst	1	0	0	47.3
DL1	GRCCZ12	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ12	RET	2_LT_DLInst	1	0	0	14.99
DL1	LDGCZ12	RET	2_LT_DLInst	1	0	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ12	RET	2_LT_DLInst	1	0.12	0	24.58
DL1	MSCCZ12	RET	2_LT_DLInst	1	0	0	31.64
DL1	REFCZ12	RET	2_LT_DLInst	1	0	0	12.54
DL1	RETCZ12	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ12	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ12	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ12	RET	2_LT_DLInst	1	0.07	0	31.41
DL1	WRHCZ12	RET	2_LT_DLInst	1	0.01	0	0.03



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ13	RET	2_LT_RFLCSpec8	1	0	0	6.71
RFLC2	GRCCZ13	RET	2_LT_RFLCSpec8	1	0.07	0	5.82
RFLC2	HLTCZ13	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LDGCZ13	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ13	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ13	RET	2_LT_RFLCSpec8	1	0.02	0	2.61
RFLC2	REFCZ13	RET	2_LT_RFLCSpec8	1	0	0	0.28
RFLC2	RETCZ13	RET	2_LT_RFLCSpec8	1	0.01	0	4.31
RFLC2	RSTCZ13	RET	2_LT_RFLCSpec8	1	0.01	0	3.77
RFLC2	SCHCZ13	RET	2_LT_RFLCSpec8	1	0.01	0	3.69
RFLC2	SMOCZ13	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	WRHCZ13	RET	2_LT_RFLCSpec8	1	0.01	0	1.84
RFLC1	COLCZ13	RET	2_LT_RFLCSpec4	1	0.39	0.01	5.75
RFLC1	GRCCZ13	RET	2_LT_RFLCSpec4	1	0.36	0	3.9
RFLC1	HLTCZ13	RET	2_LT_RFLCSpec4	1	0.41	0	6.21
RFLC1	LDGCZ13	RET	2_LT_RFLCSpec4	1	0.04	0	3.35
RFLC1	LGOCZ13	RET	2_LT_RFLCSpec4	1	0.62	0.04	8.24
RFLC1	MSCCZ13	RET	2_LT_RFLCSpec4	1	0.17	0	6.06
RFLC1	REFCZ13	RET	2_LT_RFLCSpec4	1	0.11	0	3.9
RFLC1	RETCZ13	RET	2_LT_RFLCSpec4	1	0.41	0.01	6.77
RFLC1	RSTCZ13	RET	2_LT_RFLCSpec4	1	0.24	0	8.85
RFLC1	SCHCZ13	RET	2_LT_RFLCSpec4	1	0.48	0	8.18
RFLC1	SMOCZ13	RET	2_LT_RFLCSpec4	1	0.44	0	7.13
RFLC1	WRHCZ13	RET	2_LT_RFLCSpec4	1	0.16	0	5.04
PC1	COLCZ13	CON	1_LT_PCNoCtrl	1	1	0.09	0.29
PC1	COLCZ13	CON	2_LT_PCPC	2	1	0.54	0.29
PC1	COLCZ13	CON	3_LT_PCTC	3	1	0.06	0.29
PC1	COLCZ13	CON	4_LT_PCPT	4	1	0.15	0.29
PC1	GRCCZ13	CON	1_LT_PCNoCtrl	1	1	0	1.31
PC1	GRCCZ13	CON	2_LT_PCPC	2	1	0.56	1.31
PC1	GRCCZ13	CON	3_LT_PCTC	3	1	0.19	1.31
PC1	GRCCZ13	CON	4_LT_PCPT	4	1	0.08	1.31
PC1	HLTCZ13	CON	1_LT_PCNoCtrl	1	1	0.01	0.35
PC1	HLTCZ13	CON	2_LT_PCPC	2	1	0.51	0.35
PC1	HLTCZ13	CON	3_LT_PCTC	3	1	0.28	0.35

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ13	CON	4_LT_PCPT	4	1	0.06	0.35
PC1	LDGCZ13	CON	1_LT_PCNoCtrl	1	1	0.09	0.47
PC1	LDGCZ13	CON	2_LT_PCPC	2	1	0.58	0.47
PC1	LDGCZ13	CON	3_LT_PCTC	3	1	0.02	0.47
PC1	LDGCZ13	CON	4_LT_PCPT	4	1	0.15	0.47
PC1	LGOCZ13	CON	1_LT_PCNoCtrl	1	1	0	0.23
PC1	LGOCZ13	CON	2_LT_PCPC	2	1	0.45	0.23
PC1	LGOCZ13	CON	3_LT_PCTC	3	1	0.25	0.23
PC1	LGOCZ13	CON	4_LT_PCPT	4	1	0.14	0.23
PC1	MSCCZ13	CON	1_LT_PCNoCtrl	1	1	0.01	0.77
PC1	MSCCZ13	CON	2_LT_PCPC	2	1	0.44	0.77
PC1	MSCCZ13	CON	3_LT_PCTC	3	1	0.33	0.77
PC1	MSCCZ13	CON	4_LT_PCPT	4	1	0.1	0.77
PC1	REFCZ13	CON	1_LT_PCNoCtrl	1	1	0	0.18
PC1	REFCZ13	CON	2_LT_PCPC	2	1	0.66	0.18
PC1	REFCZ13	CON	3_LT_PCTC	3	1	0.19	0.18
PC1	REFCZ13	CON	4_LT_PCPT	4	1	0.11	0.18
PC1	RETCZ13	CON	1_LT_PCNoCtrl	1	1	0	0.57
PC1	RETCZ13	CON	2_LT_PCPC	2	1	0.32	0.57
PC1	RETCZ13	CON	3_LT_PCTC	3	1	0.21	0.57
PC1	RETCZ13	CON	4_LT_PCPT	4	1	0.2	0.57
PC1	RSTCZ13	CON	1_LT_PCNoCtrl	1	1	0	1.04
PC1	RSTCZ13	CON	2_LT_PCPC	2	1	0.3	1.04
PC1	RSTCZ13	CON	3_LT_PCTC	3	1	0.24	1.04
PC1	RSTCZ13	CON	4_LT_PCPT	4	1	0.15	1.04
PC1	SCHCZ13	CON	1_LT_PCNoCtrl	1	1	0	0.32
PC1	SCHCZ13	CON	2_LT_PCPC	2	1	0.28	0.32
PC1	SCHCZ13	CON	3_LT_PCTC	3	1	0.48	0.32
PC1	SCHCZ13	CON	4_LT_PCPT	4	1	0.16	0.32
PC1	SMOCZ13	CON	1_LT_PCNoCtrl	1	1	0.07	0.97
PC1	SMOCZ13	CON	2_LT_PCPC	2	1	0.35	0.97
PC1	SMOCZ13	CON	3_LT_PCTC	3	1	0.14	0.97
PC1	SMOCZ13	CON	4_LT_PCPT	4	1	0.08	0.97
PC1	WRHCZ13	CON	1_LT_PCNoCtrl	1	1	0	0.3
PC1	WRHCZ13	CON	2_LT_PCPC	2	1	0.61	0.3

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ13	CON	3_LT_PCTC	3	1	0.19	0.3
PC1	WRHCZ13	CON	4_LT_PCPT	4	1	0.1	0.3
OCC2	COLCZ13	RET	2_LT_OCCPCDInst	1	0.64	0	3.09
OCC2	GRCCZ13	RET	2_LT_OCCPCDInst	1	0.58	0	0.46
OCC2	HLTCZ13	RET	2_LT_OCCPCDInst	1	0.54	0	2.52
OCC2	LDGCZ13	RET	2_LT_OCCPCDInst	1	0.13	0	0.96
OCC2	LGOCZ13	RET	2_LT_OCCPCDInst	1	0.9	0	3.84
OCC2	MSCCZ13	RET	2_LT_OCCPCDInst	1	0.31	0	1.86
OCC2	REFCZ13	RET	2_LT_OCCPCDInst	1	0.28	0	0.92
OCC2	RETCZ13	RET	2_LT_OCCPCDInst	1	0.68	0	0.73
OCC2	RSTCZ13	RET	2_LT_OCCPCDInst	1	0.22	0	1.09
OCC2	SCHCZ13	RET	2_LT_OCCPCDInst	1	0.73	0	3.22
OCC2	SMOCZ13	RET	2_LT_OCCPCDInst	1	0.87	0	3.41
OCC2	WRHCZ13	RET	2_LT_OCCPCDInst	1	0.5	0	0.98
OCC1	COLCZ13	RET	2_LT_OCCMS	1	0.55	0.03	2.06
OCC1	GRCCZ13	RET	2_LT_OCCMS	1	0.1	0	1.68
OCC1	HLTCZ13	RET	2_LT_OCCMS	1	0.13	0	1.83
OCC1	LDGCZ13	RET	2_LT_OCCMS	1	0.04	0	1.21
OCC1	LGOCZ13	RET	2_LT_OCCMS	1	0.66	0.13	2.16
OCC1	MSCCZ13	RET	2_LT_OCCMS	1	0.21	0	1.51
OCC1	REFCZ13	RET	2_LT_OCCMS	1	0.33	0	0.75
OCC1	RETCZ13	RET	2_LT_OCCMS	1	0.17	0.01	1.6
OCC1	RSTCZ13	RET	2_LT_OCCMS	1	0.07	0	1.18
OCC1	SCHCZ13	RET	2_LT_OCCMS	1	0.67	0.02	2.56
OCC1	SMOCZ13	RET	2_LT_OCCMS	1	0.58	0	1.83
OCC1	WRHCZ13	RET	2_LT_OCCMS	1	0.64	0.03	1.08
INCAN6	COLCZ13	CON	1_LT_IRIP60	1	1	0.99	0.47
INCAN6	COLCZ13	CON	2_LT_CRCP14s	2	1	0.01	0.47
INCAN6	GRCCZ13	CON	1_LT_IRIP60	1	1	1	0.59
INCAN6	GRCCZ13	CON	2_LT_CRCP14s	2	1	0	0.59
INCAN6	HLTCZ13	CON	1_LT_IRIP60	1	1	0.95	0.79
INCAN6	HLTCZ13	CON	2_LT_CRCP14s	2	1	0.05	0.79
INCAN6	LDGCZ13	CON	1_LT_IRIP60	1	1	0.59	0.41
INCAN6	LDGCZ13	CON	2_LT_CRCP14s	2	1	0.41	0.41
INCAN6	LGOCZ13	CON	1_LT_IRIP60	1	1	0.91	0.22

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ13	CON	2_LT_CRCP14s	2	1	0.09	0.22
INCAN6	MSCCZ13	CON	1_LT_IRIP60	1	1	0.95	0.15
INCAN6	MSCCZ13	CON	2_LT_CRCP14s	2	1	0.05	0.15
INCAN6	REFCZ13	CON	1_LT_IRIP60	1	1	0.98	0.02
INCAN6	REFCZ13	CON	2_LT_CRCP14s	2	1	0.02	0.02
INCAN6	RETCZ13	CON	1_LT_IRIP60	1	1	0.97	1.6
INCAN6	RETCZ13	CON	2_LT_CRCP14s	2	1	0.03	1.6
INCAN6	RSTCZ13	CON	1_LT_IRIP60	1	1	0.92	1.52
INCAN6	RSTCZ13	CON	2_LT_CRCP14s	2	1	0.08	1.52
INCAN6	SCHCZ13	CON	1_LT_IRIP60	1	1	0.85	0.1
INCAN6	SCHCZ13	CON	2_LT_CRCP14s	2	1	0.15	0.1
INCAN6	SMOCZ13	CON	1_LT_IRIP60	1	1	1	1.5
INCAN6	SMOCZ13	CON	2_LT_CRCP14s	2	1	0	1.5
INCAN6	WRHCZ13	CON	1_LT_IRIP60	1	1	0.95	0.04
INCAN6	WRHCZ13	CON	2_LT_CRCP14s	2	1	0.05	0.04
INCAN5	COLCZ13	CON	1_LT_INC120	1	1	0.05	0.23
INCAN5	COLCZ13	CON	2_LT_CFL38s	2	1	0	0.23
INCAN5	COLCZ13	CON	3_LT_CFL38p	3	1	0.95	0.23
INCAN5	GRCCZ13	CON	1_LT_INC120	1	1	0.36	0.07
INCAN5	GRCCZ13	CON	2_LT_CFL38s	2	1	0.02	0.07
INCAN5	GRCCZ13	CON	3_LT_CFL38p	3	1	0.62	0.07
INCAN5	HLTCZ13	CON	1_LT_INC120	1	1	0.52	0.34
INCAN5	HLTCZ13	CON	2_LT_CFL38s	2	1	0.17	0.34
INCAN5	HLTCZ13	CON	3_LT_CFL38p	3	1	0.31	0.34
INCAN5	LDGCZ13	CON	1_LT_INC120	1	1	0.35	3.04
INCAN5	LDGCZ13	CON	2_LT_CFL38s	2	1	0.49	3.04
INCAN5	LDGCZ13	CON	3_LT_CFL38p	3	1	0.16	3.04
INCAN5	LGOCZ13	CON	1_LT_INC120	1	1	0.45	0.06
INCAN5	LGOCZ13	CON	2_LT_CFL38s	2	1	0.15	0.06
INCAN5	LGOCZ13	CON	3_LT_CFL38p	3	1	0.4	0.06
INCAN5	MSCCZ13	CON	1_LT_INC120	1	1	0.48	0.24
INCAN5	MSCCZ13	CON	2_LT_CFL38s	2	1	0.5	0.24
INCAN5	MSCCZ13	CON	3_LT_CFL38p	3	1	0.02	0.24
INCAN5	REFCZ13	CON	1_LT_INC120	1	1	1	0.07
INCAN5	REFCZ13	CON	2_LT_CFL38s	2	1	0	0.07

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ13	CON	3_LT_CFL38p	3	1	0	0.07
INCAN5	RETCZ13	CON	1_LT_INC120	1	1	0.38	0.19
INCAN5	RETCZ13	CON	2_LT_CFL38s	2	1	0.61	0.19
INCAN5	RETCZ13	CON	3_LT_CFL38p	3	1	0.02	0.19
INCAN5	RSTCZ13	CON	1_LT_INC120	1	1	1	0.57
INCAN5	RSTCZ13	CON	2_LT_CFL38s	2	1	0	0.57
INCAN5	RSTCZ13	CON	3_LT_CFL38p	3	1	0	0.57
INCAN5	SCHCZ13	CON	1_LT_INC120	1	1	0.29	0.29
INCAN5	SCHCZ13	CON	2_LT_CFL38s	2	1	0.03	0.29
INCAN5	SCHCZ13	CON	3_LT_CFL38p	3	1	0.68	0.29
INCAN5	SMOCZ13	CON	1_LT_INC120	1	1	1	0.29
INCAN5	SMOCZ13	CON	2_LT_CFL38s	2	1	0	0.29
INCAN5	SMOCZ13	CON	3_LT_CFL38p	3	1	0	0.29
INCAN5	WRHCZ13	CON	1_LT_INC120	1	1	1	0
INCAN5	WRHCZ13	CON	2_LT_CFL38s	2	1	0	0
INCAN5	WRHCZ13	CON	3_LT_CFL38p	3	1	0	0
INCAN3	COLCZ13	CON	1_LT_INC75	1	1	0.27	0.33
INCAN3	COLCZ13	CON	2_LT_CFL20s	2	1	0.55	0.33
INCAN3	COLCZ13	CON	3_LT_CFL20p	3	1	0.19	0.33
INCAN3	GRCCZ13	CON	1_LT_INC75	1	1	0.35	0.09
INCAN3	GRCCZ13	CON	2_LT_CFL20s	2	1	0.65	0.09
INCAN3	GRCCZ13	CON	3_LT_CFL20p	3	1	0	0.09
INCAN3	HLTCZ13	CON	1_LT_INC75	1	1	0.5	1.97
INCAN3	HLTCZ13	CON	2_LT_CFL20s	2	1	0.21	1.97
INCAN3	HLTCZ13	CON	3_LT_CFL20p	3	1	0.29	1.97
INCAN3	LDGCZ13	CON	1_LT_INC75	1	1	0.08	3.94
INCAN3	LDGCZ13	CON	2_LT_CFL20s	2	1	0.67	3.94
INCAN3	LDGCZ13	CON	3_LT_CFL20p	3	1	0.25	3.94
INCAN3	LGOCZ13	CON	1_LT_INC75	1	1	0.02	1.4
INCAN3	LGOCZ13	CON	2_LT_CFL20s	2	1	0.47	1.4
INCAN3	LGOCZ13	CON	3_LT_CFL20p	3	1	0.51	1.4
INCAN3	MSCCZ13	CON	1_LT_INC75	1	1	0.32	0.6
INCAN3	MSCCZ13	CON	2_LT_CFL20s	2	1	0.37	0.6
INCAN3	MSCCZ13	CON	3_LT_CFL20p	3	1	0.31	0.6
INCAN3	REFCZ13	CON	1_LT_INC75	1	1	0.83	0.03

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ13	CON	2_LT_CFL20s	2	1	0.17	0.03
INCAN3	REFCZ13	CON	3_LT_CFL20p	3	1	0	0.03
INCAN3	RETCZ13	CON	1_LT_INC75	1	1	0.2	0.37
INCAN3	RETCZ13	CON	2_LT_CFL20s	2	1	0.61	0.37
INCAN3	RETCZ13	CON	3_LT_CFL20p	3	1	0.19	0.37
INCAN3	RSTCZ13	CON	1_LT_INC75	1	1	0.49	2.85
INCAN3	RSTCZ13	CON	2_LT_CFL20s	2	1	0.41	2.85
INCAN3	RSTCZ13	CON	3_LT_CFL20p	3	1	0.11	2.85
INCAN3	SCHCZ13	CON	1_LT_INC75	1	1	0.64	0.09
INCAN3	SCHCZ13	CON	2_LT_CFL20s	2	1	0	0.09
INCAN3	SCHCZ13	CON	3_LT_CFL20p	3	1	0.36	0.09
INCAN3	SMOCZ13	CON	1_LT_INC75	1	1	0.04	0.8
INCAN3	SMOCZ13	CON	2_LT_CFL20s	2	1	0.25	0.8
INCAN3	SMOCZ13	CON	3_LT_CFL20p	3	1	0.71	0.8
INCAN3	WRHCZ13	CON	1_LT_INC75	1	1	0.12	0.06
INCAN3	WRHCZ13	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ13	CON	3_LT_CFL20p	3	1	0.7	0.06
INCAN2	COLCZ13	CON	1_LT_INC60	1	1	0.75	0.37
INCAN2	COLCZ13	CON	2_LT_CFL15s	2	1	0.16	0.37
INCAN2	COLCZ13	CON	3_LT_CFL15p	3	1	0.09	0.37
INCAN2	GRCCZ13	CON	1_LT_INC60	1	1	0.62	0.14
INCAN2	GRCCZ13	CON	2_LT_CFL15s	2	1	0.17	0.14
INCAN2	GRCCZ13	CON	3_LT_CFL15p	3	1	0.21	0.14
INCAN2	HLTCZ13	CON	1_LT_INC60	1	1	0.6	1.48
INCAN2	HLTCZ13	CON	2_LT_CFL15s	2	1	0.26	1.48
INCAN2	HLTCZ13	CON	3_LT_CFL15p	3	1	0.14	1.48
INCAN2	LDGCZ13	CON	1_LT_INC60	1	1	0.44	4.74
INCAN2	LDGCZ13	CON	2_LT_CFL15s	2	1	0.32	4.74
INCAN2	LDGCZ13	CON	3_LT_CFL15p	3	1	0.24	4.74
INCAN2	LGOCZ13	CON	1_LT_INC60	1	1	0.22	0.72
INCAN2	LGOCZ13	CON	2_LT_CFL15s	2	1	0.25	0.72
INCAN2	LGOCZ13	CON	3_LT_CFL15p	3	1	0.53	0.72
INCAN2	MSCCZ13	CON	1_LT_INC60	1	1	0.95	1.93
INCAN2	MSCCZ13	CON	2_LT_CFL15s	2	1	0.03	1.93
INCAN2	MSCCZ13	CON	3_LT_CFL15p	3	1	0.02	1.93

PG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ13	CON	1_LT_INC60	1	1	0.88	0.03
INCAN2	REFCZ13	CON	2_LT_CFL15s	2	1	0.12	0.03
INCAN2	REFCZ13	CON	3_LT_CFL15p	3	1	0	0.03
INCAN2	RETCZ13	CON	1_LT_INC60	1	1	0.12	0.96
INCAN2	RETCZ13	CON	2_LT_CFL15s	2	1	0.41	0.96
INCAN2	RETCZ13	CON	3_LT_CFL15p	3	1	0.47	0.96
INCAN2	RSTCZ13	CON	1_LT_INC60	1	1	0.56	2.69
INCAN2	RSTCZ13	CON	2_LT_CFL15s	2	1	0.4	2.69
INCAN2	RSTCZ13	CON	3_LT_CFL15p	3	1	0.04	2.69
INCAN2	SCHCZ13	CON	1_LT_INC60	1	1	0.53	0.4
INCAN2	SCHCZ13	CON	2_LT_CFL15s	2	1	0.35	0.4
INCAN2	SCHCZ13	CON	3_LT_CFL15p	3	1	0.12	0.4
INCAN2	SMOCZ13	CON	1_LT_INC60	1	1	0.92	0.51
INCAN2	SMOCZ13	CON	2_LT_CFL15s	2	1	0.01	0.51
INCAN2	SMOCZ13	CON	3_LT_CFL15p	3	1	0.07	0.51
INCAN2	WRHCZ13	CON	1_LT_INC60	1	1	0.82	0.09
INCAN2	WRHCZ13	CON	2_LT_CFL15s	2	1	0.18	0.09
INCAN2	WRHCZ13	CON	3_LT_CFL15p	3	1	0	0.09
INCAN1	COLCZ13	CON	1_LT_INC40	1	1	0.98	0.1
INCAN1	COLCZ13	CON	2_LT_CFL10_5s	2	1	0	0.1
INCAN1	COLCZ13	CON	3_LT_CFL10_5p	3	1	0.02	0.1
INCAN1	GRCCZ13	CON	1_LT_INC40	1	1	0.7	0.01
INCAN1	GRCCZ13	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	GRCCZ13	CON	3_LT_CFL10_5p	3	1	0.3	0.01
INCAN1	HLTCZ13	CON	1_LT_INC40	1	1	0.9	0.53
INCAN1	HLTCZ13	CON	2_LT_CFL10_5s	2	1	0.02	0.53
INCAN1	HLTCZ13	CON	3_LT_CFL10_5p	3	1	0.08	0.53
INCAN1	LDGCZ13	CON	1_LT_INC40	1	1	0.71	1.54
INCAN1	LDGCZ13	CON	2_LT_CFL10_5s	2	1	0.12	1.54
INCAN1	LDGCZ13	CON	3_LT_CFL10_5p	3	1	0.17	1.54
INCAN1	LGOCZ13	CON	1_LT_INC40	1	1	0.22	0.27
INCAN1	LGOCZ13	CON	2_LT_CFL10_5s	2	1	0.31	0.27
INCAN1	LGOCZ13	CON	3_LT_CFL10_5p	3	1	0.47	0.27
INCAN1	MSCCZ13	CON	1_LT_INC40	1	1	0.97	0.1
INCAN1	MSCCZ13	CON	2_LT_CFL10_5s	2	1	0.03	0.1

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ13	CON	3_LT_CFL10_5p	3	1	0	0.1
INCAN1	REFCZ13	CON	1_LT_INC40	1	1	1	0.01
INCAN1	REFCZ13	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	REFCZ13	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	RETCZ13	CON	1_LT_INC40	1	1	1	0.04
INCAN1	RETCZ13	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	RETCZ13	CON	3_LT_CFL10_5p	3	1	0	0.04
INCAN1	RSTCZ13	CON	1_LT_INC40	1	1	0.98	0.93
INCAN1	RSTCZ13	CON	2_LT_CFL10_5s	2	1	0	0.93
INCAN1	RSTCZ13	CON	3_LT_CFL10_5p	3	1	0.02	0.93
INCAN1	SCHCZ13	CON	1_LT_INC40	1	1	0.3	0.08
INCAN1	SCHCZ13	CON	2_LT_CFL10_5s	2	1	0	0.08
INCAN1	SCHCZ13	CON	3_LT_CFL10_5p	3	1	0.7	0.08
INCAN1	SMOCZ13	CON	1_LT_INC40	1	1	0.99	0.9
INCAN1	SMOCZ13	CON	2_LT_CFL10_5s	2	1	0.01	0.9
INCAN1	SMOCZ13	CON	3_LT_CFL10_5p	3	1	0	0.9
INCAN1	WRHCZ13	CON	1_LT_INC40	1	1	0.91	0.04
INCAN1	WRHCZ13	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	WRHCZ13	CON	3_LT_CFL10_5p	3	1	0.09	0.04
HID6	COLCZ13	CON	1_LT_MH400	1	1	0	4
HID6	COLCZ13	CON	2_LT_PS320	2	1	0	4
HID6	COLCZ13	CON	3_LT_HIDT5HO	3	1	0	4
HID6	GRCCZ13	CON	1_LT_MH400	1	1	0	2.76
HID6	GRCCZ13	CON	2_LT_PS320	2	1	0.01	2.76
HID6	GRCCZ13	CON	3_LT_HIDT5HO	3	1	0	2.76
HID6	HLTCZ13	CON	1_LT_MH400	1	1	0	0
HID6	HLTCZ13	CON	2_LT_PS320	2	1	0	0
HID6	HLTCZ13	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LDGCZ13	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ13	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ13	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ13	CON	1_LT_MH400	1	1	0	0.54
HID6	LGOCZ13	CON	2_LT_PS320	2	1	0	0.54
HID6	LGOCZ13	CON	3_LT_HIDT5HO	3	1	0	0.54
HID6	MSCCZ13	CON	1_LT_MH400	1	1	0.04	1.58



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ13	CON	2_LT_PS320	2	1	0	1.58
HID6	MSCCZ13	CON	3_LT_HIDT5HO	3	1	0	1.58
HID6	REFCZ13	CON	1_LT_MH400	1	1	0.09	5.96
HID6	REFCZ13	CON	2_LT_PS320	2	1	0	5.96
HID6	REFCZ13	CON	3_LT_HIDT5HO	3	1	0	5.96
HID6	RETCZ13	CON	1_LT_MH400	1	1	0.05	2.86
HID6	RETCZ13	CON	2_LT_PS320	2	1	0.03	2.86
HID6	RETCZ13	CON	3_LT_HIDT5HO	3	1	0	2.86
HID6	RSTCZ13	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ13	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ13	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ13	CON	1_LT_MH400	1	1	0.02	3.64
HID6	SCHCZ13	CON	2_LT_PS320	2	1	0	3.64
HID6	SCHCZ13	CON	3_LT_HIDT5HO	3	1	0	3.64
HID6	SMOCZ13	CON	1_LT_MH400	1	1	0.1	0.7
HID6	SMOCZ13	CON	2_LT_PS320	2	1	0	0.7
HID6	SMOCZ13	CON	3_LT_HIDT5HO	3	1	0	0.7
HID6	WRHCZ13	CON	1_LT_MH400	1	1	0.27	1.42
HID6	WRHCZ13	CON	2_LT_PS320	2	1	0.03	1.42
HID6	WRHCZ13	CON	3_LT_HIDT5HO	3	1	0	1.42
HID4MV	COLCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ13	CON	1_LT_MV400	1	1	0	7.27
HID4MV	MSCCZ13	CON	2_LT_MH250mv	2	1	0	7.27
HID4MV	REFCZ13	CON	1_LT_MV400	1	1	0.02	5.71
HID4MV	REFCZ13	CON	2_LT_MH250mv	2	1	0.07	5.71
HID4MV	RETCZ13	CON	1_LT_MV400	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	SCHCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SMOCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ13	CON	1_LT_MV400	1	1	0.01	4.46
HID4MV	WRHCZ13	CON	2_LT_MH250mv	2	1	0.01	4.46
HID4I	COLCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ13	CON	2_LT_MH250i	2	1	0.02	0.45
HID4I	GRCCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ13	CON	2_LT_MH250i	2	1	0.04	0.41
HID4I	HLTCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ13	CON	2_LT_MH250i	2	1	0	0.19
HID4I	LDGCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ13	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ13	CON	2_LT_MH250i	2	1	0	0.97
HID4I	MSCCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ13	CON	2_LT_MH250i	2	1	0.02	0.83
HID4I	REFCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ13	CON	2_LT_MH250i	2	1	0.04	3.95
HID4I	RETCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ13	CON	2_LT_MH250i	2	1	0.04	0.15
HID4I	RSTCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ13	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ13	CON	2_LT_MH250i	2	1	0.01	0.81
HID4I	SMOCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ13	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ13	CON	2_LT_MH250i	2	1	0.09	0.34
HID3MV	COLCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ13	CON	2_LT_MH175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	LDGCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LGOCZ13	CON	1_LT_MV250	1	1	0	7.22
HID3MV	LGOCZ13	CON	2_LT_MH175mv	2	1	0	7.22
HID3MV	MSCCZ13	CON	1_LT_MV250	1	1	0	48.77
HID3MV	MSCCZ13	CON	2_LT_MH175mv	2	1	0	48.77
HID3MV	REFCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	REFCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	RETCZ13	CON	1_LT_MV250	1	1	0.01	1.72
HID3MV	RETCZ13	CON	2_LT_MH175mv	2	1	0	1.72
HID3MV	RSTCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	WRHCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3I	COLCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ13	CON	2_LT_MH175i	2	1	0	0
HID3I	GRCCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ13	CON	2_LT_MH175i	2	1	0.04	1.08
HID3I	HLTCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ13	CON	2_LT_MH175i	2	1	0	35.66
HID3I	LDGCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ13	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ13	CON	2_LT_MH175i	2	1	0	0
HID3I	MSCCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ13	CON	2_LT_MH175i	2	1	0.03	0.66
HID3I	REFCZ13	CON	1_LT_INC500i	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ13	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ13	CON	2_LT_MH175i	2	1	0	0.15
HID3I	RSTCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ13	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ13	CON	2_LT_MH175i	2	1	0	3.2
HID3I	SMOCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ13	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ13	CON	2_LT_MH175i	2	1	0	4.43
HID2MV	COLCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	GRCCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	HLTCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ13	CON	2_LT_MH100mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ13	CON	1_LT_INC300	1	1	0.01	10.1
HID2I	COLCZ13	CON	2_LT_MH100i	2	1	0	10.1
HID2I	GRCCZ13	CON	1_LT_INC300	1	1	0.04	3.16
HID2I	GRCCZ13	CON	2_LT_MH100i	2	1	0.02	3.16
HID2I	HLTCZ13	CON	1_LT_INC300	1	1	0.01	1.09
HID2I	HLTCZ13	CON	2_LT_MH100i	2	1	0.01	1.09
HID2I	LDGCZ13	CON	1_LT_INC300	1	1	0.03	2.1
HID2I	LDGCZ13	CON	2_LT_MH100i	2	1	0	2.1
HID2I	LGOCZ13	CON	1_LT_INC300	1	1	0	0
HID2I	LGOCZ13	CON	2_LT_MH100i	2	1	0	0
HID2I	MSCCZ13	CON	1_LT_INC300	1	1	0.02	0.58
HID2I	MSCCZ13	CON	2_LT_MH100i	2	1	0	0.58
HID2I	REFCZ13	CON	1_LT_INC300	1	1	0.01	1.45
HID2I	REFCZ13	CON	2_LT_MH100i	2	1	0.02	1.45
HID2I	RETCZ13	CON	1_LT_INC300	1	1	0.03	25.23
HID2I	RETCZ13	CON	2_LT_MH100i	2	1	0	25.23
HID2I	RSTCZ13	CON	1_LT_INC300	1	1	0	0
HID2I	RSTCZ13	CON	2_LT_MH100i	2	1	0	0
HID2I	SCHCZ13	CON	1_LT_INC300	1	1	0	1.39
HID2I	SCHCZ13	CON	2_LT_MH100i	2	1	0	1.39
HID2I	SMOCZ13	CON	1_LT_INC300	1	1	0	0
HID2I	SMOCZ13	CON	2_LT_MH100i	2	1	0	0
HID2I	WRHCZ13	CON	1_LT_INC300	1	1	0.05	0.08
HID2I	WRHCZ13	CON	2_LT_MH100i	2	1	0	0.08
HID1MV	COLCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	COLCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	GRCCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	HLTCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LDGCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ13	CON	1_LT_MV100	1	1	0	0.15
HID1MV	LGOCZ13	CON	2_LT_MH70mv	2	1	0	0.15
HID1MV	MSCCZ13	CON	1_LT_MV100	1	1	0	0.69

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ13	CON	2_LT_MH70mv	2	1	0	0.69
HID1MV	REFCZ13	CON	1_LT_MV100	1	1	0	7.93
HID1MV	REFCZ13	CON	2_LT_MH70mv	2	1	0	7.93
HID1MV	RETCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ13	CON	1_LT_MV100	1	1	0	0.84
HID1MV	RSTCZ13	CON	2_LT_MH70mv	2	1	0	0.84
HID1MV	SCHCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ13	CON	1_LT_INC200	1	1	0	0
HID1I	COLCZ13	CON	2_LT_MH70i	2	1	0	0
HID1I	GRCCZ13	CON	1_LT_INC200	1	1	0	11.94
HID1I	GRCCZ13	CON	2_LT_MH70i	2	1	0	11.94
HID1I	HLTCZ13	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ13	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ13	CON	1_LT_INC200	1	1	0	0
HID1I	LDGCZ13	CON	2_LT_MH70i	2	1	0	0
HID1I	LGOCZ13	CON	1_LT_INC200	1	1	0	6.03
HID1I	LGOCZ13	CON	2_LT_MH70i	2	1	0	6.03
HID1I	MSCCZ13	CON	1_LT_INC200	1	1	0.01	12.69
HID1I	MSCCZ13	CON	2_LT_MH70i	2	1	0	12.69
HID1I	REFCZ13	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ13	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ13	CON	1_LT_INC200	1	1	0	168.81
HID1I	RETCZ13	CON	2_LT_MH70i	2	1	0	168.81
HID1I	RSTCZ13	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ13	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ13	CON	1_LT_INC200	1	1	0.01	11.99
HID1I	SCHCZ13	CON	2_LT_MH70i	2	1	0	11.99
HID1I	SMOCZ13	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ13	CON	2_LT_MH70i	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ13	CON	1_LT_INC200	1	1	0	1.67
HID1I	WRHCZ13	CON	2_LT_MH70i	2	1	0	1.67
HID13MV	COLCZ13	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ13	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	GRCCZ13	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	HLTCZ13	CON	1_LT_EXMV400	1	1	0	0
HID13MV	HLTCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LDGCZ13	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ13	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ13	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	MSCCZ13	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	REFCZ13	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	REFCZ13	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13MV	RETCZ13	CON	1_LT_EXMV400	1	1	1	0.04
HID13MV	RETCZ13	CON	2_LT_EXPS250mv	2	1	0	0.04
HID13MV	RSTCZ13	CON	1_LT_EXMV400	1	1	0	0
HID13MV	RSTCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SCHCZ13	CON	1_LT_EXMV400	1	1	0	0
HID13MV	SCHCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ13	CON	1_LT_EXMV400	1	1	1	0.03
HID13MV	SMOCZ13	CON	2_LT_EXPS250mv	2	1	0	0.03
HID13MV	WRHCZ13	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	WRHCZ13	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13I	COLCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ13	CON	1_LT_EXINC700	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ13	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	MSCCZ13	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	REFCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ13	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RETCZ13	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	RSTCZ13	CON	1_LT_EXINC700	1	1	0	0.01
HID13I	RSTCZ13	CON	2_LT_EXPS250i	2	1	1	0.01
HID13I	SCHCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ13	CON	1_LT_EXMV250	1	1	1	0
HID12MV	COLCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ13	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	GRCCZ13	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	HLTCZ13	CON	1_LT_EXMV250	1	1	0	0
HID12MV	HLTCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ13	CON	1_LT_EXMV250	1	1	0	0
HID12MV	LDGCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ13	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LGOCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	MSCCZ13	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	MSCCZ13	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	REFCZ13	CON	1_LT_EXMV250	1	1	0	0
HID12MV	REFCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	RETCZ13	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ13	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ13	CON	1_LT_EXMV250	1	1	0	0
HID12MV	RSTCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ13	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SCHCZ13	CON	2_LT_EXPS175mv	2	1	0	0



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ13	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SMOCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ13	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ13	CON	1_LT_EXINC500	1	1	0	0.01
HID12I	GRCCZ13	CON	2_LT_EXPS175i	2	1	1	0.01
HID12I	HLTCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	REFCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ13	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ13	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ13	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	GRCCZ13	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	HLTCZ13	CON	1_LT_EXMV175	1	1	0	0
HID11MV	HLTCZ13	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LDGCZ13	CON	1_LT_EXMV175	1	1	1	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ13	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ13	CON	1_LT_EXMV175	1	1	1	0
HID11MV	LGOCZ13	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	MSCCZ13	CON	1_LT_EXMV175	1	1	1	0.19
HID11MV	MSCCZ13	CON	2_LT_EXMH100mv	2	1	0	0.19
HID11MV	REFCZ13	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ13	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ13	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RETCZ13	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RSTCZ13	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RSTCZ13	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	SCHCZ13	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	SCHCZ13	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	SMOCZ13	CON	1_LT_EXMV175	1	1	1	0.08
HID11MV	SMOCZ13	CON	2_LT_EXMH100mv	2	1	0	0.08
HID11MV	WRHCZ13	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	WRHCZ13	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11I	COLCZ13	CON	1_LT_EXINC300	1	1	0	0
HID11I	COLCZ13	CON	2_LT_EXMH100i	2	1	1	0
HID11I	GRCCZ13	CON	1_LT_EXINC300	1	1	0.19	0.05
HID11I	GRCCZ13	CON	2_LT_EXMH100i	2	1	0.81	0.05
HID11I	HLTCZ13	CON	1_LT_EXINC300	1	1	0	0.13
HID11I	HLTCZ13	CON	2_LT_EXMH100i	2	1	1	0.13
HID11I	LDGCZ13	CON	1_LT_EXINC300	1	1	0.02	0.05
HID11I	LDGCZ13	CON	2_LT_EXMH100i	2	1	0.98	0.05
HID11I	LGOCZ13	CON	1_LT_EXINC300	1	1	0.01	0.01
HID11I	LGOCZ13	CON	2_LT_EXMH100i	2	1	0.99	0.01
HID11I	MSCCZ13	CON	1_LT_EXINC300	1	1	0.06	0.06
HID11I	MSCCZ13	CON	2_LT_EXMH100i	2	1	0.94	0.06
HID11I	REFCZ13	CON	1_LT_EXINC300	1	1	0	0.01
HID11I	REFCZ13	CON	2_LT_EXMH100i	2	1	1	0.01
HID11I	RETCZ13	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ13	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ13	CON	1_LT_EXINC300	1	1	0.33	0.01
HID11I	RSTCZ13	CON	2_LT_EXMH100i	2	1	0.67	0.01

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ13	CON	1_LT_EXINC300	1	1	0.15	0.05
HID11I	SCHCZ13	CON	2_LT_EXMH100i	2	1	0.85	0.05
HID11I	SMOCZ13	CON	1_LT_EXINC300	1	1	0	0.32
HID11I	SMOCZ13	CON	2_LT_EXMH100i	2	1	1	0.32
HID11I	WRHCZ13	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	WRHCZ13	CON	2_LT_EXMH100i	2	1	1	0.02
FLUOR4A	COLCZ13	CON	1_LT_8T12	1	1	1	0.05
FLUOR4A	COLCZ13	CON	2_LT_8T82ndG	2	1	0	0.05
FLUOR4A	GRCCZ13	CON	1_LT_8T12	1	1	0.52	2.58
FLUOR4A	GRCCZ13	CON	2_LT_8T82ndG	2	1	0.48	2.58
FLUOR4A	HLTCZ13	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	HLTCZ13	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	LDGCZ13	CON	1_LT_8T12	1	1	1	0.02
FLUOR4A	LDGCZ13	CON	2_LT_8T82ndG	2	1	0	0.02
FLUOR4A	LGOCZ13	CON	1_LT_8T12	1	1	0.9	0.13
FLUOR4A	LGOCZ13	CON	2_LT_8T82ndG	2	1	0.1	0.13
FLUOR4A	MSCCZ13	CON	1_LT_8T12	1	1	0.98	1.22
FLUOR4A	MSCCZ13	CON	2_LT_8T82ndG	2	1	0.02	1.22
FLUOR4A	REFCZ13	CON	1_LT_8T12	1	1	0.97	1.17
FLUOR4A	REFCZ13	CON	2_LT_8T82ndG	2	1	0.03	1.17
FLUOR4A	RETCZ13	CON	1_LT_8T12	1	1	0.66	1.13
FLUOR4A	RETCZ13	CON	2_LT_8T82ndG	2	1	0.34	1.13
FLUOR4A	RSTCZ13	CON	1_LT_8T12	1	1	0.93	0.95
FLUOR4A	RSTCZ13	CON	2_LT_8T82ndG	2	1	0.07	0.95
FLUOR4A	SCHCZ13	CON	1_LT_8T12	1	1	0.9	0.53
FLUOR4A	SCHCZ13	CON	2_LT_8T82ndG	2	1	0.1	0.53
FLUOR4A	SMOCZ13	CON	1_LT_8T12	1	1	0.37	0.18
FLUOR4A	SMOCZ13	CON	2_LT_8T82ndG	2	1	0.63	0.18
FLUOR4A	WRHCZ13	CON	1_LT_8T12	1	1	0.99	1.79
FLUOR4A	WRHCZ13	CON	2_LT_8T82ndG	2	1	0.01	1.79
FLUOR1A	COLCZ13	CON	1_LT_4T12	1	1	0.6	7.5
FLUOR1A	COLCZ13	CON	2_LT_4T8_5	2	1	0.4	7.5
FLUOR1A	GRCCZ13	CON	1_LT_4T12	1	1	0.08	9.03
FLUOR1A	GRCCZ13	CON	2_LT_4T8_5	2	1	0.92	9.03
FLUOR1A	HLTCZ13	CON	1_LT_4T12	1	1	0.15	5.95

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ13	CON	2_LT_4T8_5	2	1	0.85	5.95
FLUOR1A	LDGCZ13	CON	1_LT_4T12	1	1	0.38	0.93
FLUOR1A	LDGCZ13	CON	2_LT_4T8_5	2	1	0.62	0.93
FLUOR1A	LGOCZ13	CON	1_LT_4T12	1	1	0.11	4.87
FLUOR1A	LGOCZ13	CON	2_LT_4T8_5	2	1	0.89	4.87
FLUOR1A	MSCCZ13	CON	1_LT_4T12	1	1	0.41	2.15
FLUOR1A	MSCCZ13	CON	2_LT_4T8_5	2	1	0.59	2.15
FLUOR1A	REFCZ13	CON	1_LT_4T12	1	1	0.43	0.88
FLUOR1A	REFCZ13	CON	2_LT_4T8_5	2	1	0.57	0.88
FLUOR1A	RETCZ13	CON	1_LT_4T12	1	1	0.13	4.27
FLUOR1A	RETCZ13	CON	2_LT_4T8_5	2	1	0.87	4.27
FLUOR1A	RSTCZ13	CON	1_LT_4T12	1	1	0.76	2.04
FLUOR1A	RSTCZ13	CON	2_LT_4T8_5	2	1	0.24	2.04
FLUOR1A	SCHCZ13	CON	1_LT_4T12	1	1	0.23	5.4
FLUOR1A	SCHCZ13	CON	2_LT_4T8_5	2	1	0.77	5.4
FLUOR1A	SMOCZ13	CON	1_LT_4T12	1	1	0.18	3.97
FLUOR1A	SMOCZ13	CON	2_LT_4T8_5	2	1	0.82	3.97
FLUOR1A	WRHCZ13	CON	1_LT_4T12	1	1	0.23	1.14
FLUOR1A	WRHCZ13	CON	2_LT_4T8_5	2	1	0.77	1.14
EXIT1	COLCZ13	RET	2_LT_EXLED	1	1	0.83	0.45
EXIT1	GRCCZ13	RET	2_LT_EXLED	1	1	0.64	0.22
EXIT1	HLTCZ13	RET	2_LT_EXLED	1	1	0.72	0.48
EXIT1	LDGCZ13	RET	2_LT_EXLED	1	1	0.04	0.38
EXIT1	LGOCZ13	RET	2_LT_EXLED	1	1	0.55	0.48
EXIT1	MSCCZ13	RET	2_LT_EXLED	1	1	0.56	0.55
EXIT1	REFCZ13	RET	2_LT_EXLED	1	1	0.44	0.14
EXIT1	RETCZ13	RET	2_LT_EXLED	1	1	0.29	0.27
EXIT1	RSTCZ13	RET	2_LT_EXLED	1	1	0.32	0.8
EXIT1	SCHCZ13	RET	2_LT_EXLED	1	1	0.48	0.24
EXIT1	SMOCZ13	RET	2_LT_EXLED	1	1	0.75	0.79
EXIT1	WRHCZ13	RET	2_LT_EXLED	1	1	0.84	0.16
DL1	COLCZ13	RET	2_LT_DLInst	1	0	0	47.3
DL1	GRCCZ13	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ13	RET	2_LT_DLInst	1	0	0	14.99
DL1	LDGCZ13	RET	2_LT_DLInst	1	0	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ13	RET	2_LT_DLInst	1	0.12	0	24.58
DL1	MSCCZ13	RET	2_LT_DLInst	1	0	0	31.64
DL1	REFCZ13	RET	2_LT_DLInst	1	0	0	12.54
DL1	RETCZ13	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ13	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ13	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ13	RET	2_LT_DLInst	1	0.07	0	31.41
DL1	WRHCZ13	RET	2_LT_DLInst	1	0.01	0	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ16	RET	2_LT_RFLCSpec8	1	0	0	6.71
RFLC2	GRCCZ16	RET	2_LT_RFLCSpec8	1	0.07	0	5.82
RFLC2	HLTCZ16	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LDGCZ16	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ16	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ16	RET	2_LT_RFLCSpec8	1	0.02	0	2.61
RFLC2	REFCZ16	RET	2_LT_RFLCSpec8	1	0	0	0.28
RFLC2	RETCZ16	RET	2_LT_RFLCSpec8	1	0.01	0	4.31
RFLC2	RSTCZ16	RET	2_LT_RFLCSpec8	1	0.01	0	3.77
RFLC2	SCHCZ16	RET	2_LT_RFLCSpec8	1	0.01	0	3.69
RFLC2	SMOCZ16	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	WRHCZ16	RET	2_LT_RFLCSpec8	1	0.01	0	1.84
RFLC1	COLCZ16	RET	2_LT_RFLCSpec4	1	0.39	0.01	5.75
RFLC1	GRCCZ16	RET	2_LT_RFLCSpec4	1	0.36	0	3.9
RFLC1	HLTCZ16	RET	2_LT_RFLCSpec4	1	0.41	0	6.21
RFLC1	LDGCZ16	RET	2_LT_RFLCSpec4	1	0.04	0	3.35
RFLC1	LGOCZ16	RET	2_LT_RFLCSpec4	1	0.62	0.04	8.24
RFLC1	MSCCZ16	RET	2_LT_RFLCSpec4	1	0.17	0	6.06
RFLC1	REFCZ16	RET	2_LT_RFLCSpec4	1	0.11	0	3.9
RFLC1	RETCZ16	RET	2_LT_RFLCSpec4	1	0.41	0.01	6.77
RFLC1	RSTCZ16	RET	2_LT_RFLCSpec4	1	0.24	0	8.85
RFLC1	SCHCZ16	RET	2_LT_RFLCSpec4	1	0.48	0	8.18
RFLC1	SMOCZ16	RET	2_LT_RFLCSpec4	1	0.44	0	7.13
RFLC1	WRHCZ16	RET	2_LT_RFLCSpec4	1	0.16	0	5.04
PC1	COLCZ16	CON	1_LT_PCNoCtrl	1	1	0.09	0.29
PC1	COLCZ16	CON	2_LT_PCPC	2	1	0.54	0.29
PC1	COLCZ16	CON	3_LT_PCTC	3	1	0.06	0.29
PC1	COLCZ16	CON	4_LT_PCPT	4	1	0.15	0.29
PC1	GRCCZ16	CON	1_LT_PCNoCtrl	1	1	0	1.31
PC1	GRCCZ16	CON	2_LT_PCPC	2	1	0.56	1.31
PC1	GRCCZ16	CON	3_LT_PCTC	3	1	0.19	1.31
PC1	GRCCZ16	CON	4_LT_PCPT	4	1	0.08	1.31
PC1	HLTCZ16	CON	1_LT_PCNoCtrl	1	1	0.01	0.35
PC1	HLTCZ16	CON	2_LT_PCPC	2	1	0.51	0.35
PC1	HLTCZ16	CON	3_LT_PCTC	3	1	0.28	0.35

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ16	CON	4_LT_PCPT	4	1	0.06	0.35
PC1	LDGCZ16	CON	1_LT_PCNoCtrl	1	1	0.09	0.47
PC1	LDGCZ16	CON	2_LT_PCPC	2	1	0.58	0.47
PC1	LDGCZ16	CON	3_LT_PCTC	3	1	0.02	0.47
PC1	LDGCZ16	CON	4_LT_PCPT	4	1	0.15	0.47
PC1	LGOCZ16	CON	1_LT_PCNoCtrl	1	1	0	0.23
PC1	LGOCZ16	CON	2_LT_PCPC	2	1	0.45	0.23
PC1	LGOCZ16	CON	3_LT_PCTC	3	1	0.25	0.23
PC1	LGOCZ16	CON	4_LT_PCPT	4	1	0.14	0.23
PC1	MSCCZ16	CON	1_LT_PCNoCtrl	1	1	0.01	0.77
PC1	MSCCZ16	CON	2_LT_PCPC	2	1	0.44	0.77
PC1	MSCCZ16	CON	3_LT_PCTC	3	1	0.33	0.77
PC1	MSCCZ16	CON	4_LT_PCPT	4	1	0.1	0.77
PC1	REFCZ16	CON	1_LT_PCNoCtrl	1	1	0	0.18
PC1	REFCZ16	CON	2_LT_PCPC	2	1	0.66	0.18
PC1	REFCZ16	CON	3_LT_PCTC	3	1	0.19	0.18
PC1	REFCZ16	CON	4_LT_PCPT	4	1	0.11	0.18
PC1	RETCZ16	CON	1_LT_PCNoCtrl	1	1	0	0.57
PC1	RETCZ16	CON	2_LT_PCPC	2	1	0.32	0.57
PC1	RETCZ16	CON	3_LT_PCTC	3	1	0.21	0.57
PC1	RETCZ16	CON	4_LT_PCPT	4	1	0.2	0.57
PC1	RSTCZ16	CON	1_LT_PCNoCtrl	1	1	0	1.04
PC1	RSTCZ16	CON	2_LT_PCPC	2	1	0.3	1.04
PC1	RSTCZ16	CON	3_LT_PCTC	3	1	0.24	1.04
PC1	RSTCZ16	CON	4_LT_PCPT	4	1	0.15	1.04
PC1	SCHCZ16	CON	1_LT_PCNoCtrl	1	1	0	0.32
PC1	SCHCZ16	CON	2_LT_PCPC	2	1	0.28	0.32
PC1	SCHCZ16	CON	3_LT_PCTC	3	1	0.48	0.32
PC1	SCHCZ16	CON	4_LT_PCPT	4	1	0.16	0.32
PC1	SMOCZ16	CON	1_LT_PCNoCtrl	1	1	0.07	0.97
PC1	SMOCZ16	CON	2_LT_PCPC	2	1	0.35	0.97
PC1	SMOCZ16	CON	3_LT_PCTC	3	1	0.14	0.97
PC1	SMOCZ16	CON	4_LT_PCPT	4	1	0.08	0.97
PC1	WRHCZ16	CON	1_LT_PCNoCtrl	1	1	0	0.3
PC1	WRHCZ16	CON	2_LT_PCPC	2	1	0.61	0.3

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ16	CON	3_LT_PCTC	3	1	0.19	0.3
PC1	WRHCZ16	CON	4_LT_PCPT	4	1	0.1	0.3
OCC2	COLCZ16	RET	2_LT_OCCPCDInst	1	0.64	0	3.09
OCC2	GRCCZ16	RET	2_LT_OCCPCDInst	1	0.58	0	0.46
OCC2	HLTCZ16	RET	2_LT_OCCPCDInst	1	0.54	0	2.52
OCC2	LDGCZ16	RET	2_LT_OCCPCDInst	1	0.13	0	0.96
OCC2	LGOCZ16	RET	2_LT_OCCPCDInst	1	0.9	0	3.84
OCC2	MSCCZ16	RET	2_LT_OCCPCDInst	1	0.31	0	1.86
OCC2	REFCZ16	RET	2_LT_OCCPCDInst	1	0.28	0	0.92
OCC2	RETCZ16	RET	2_LT_OCCPCDInst	1	0.68	0	0.73
OCC2	RSTCZ16	RET	2_LT_OCCPCDInst	1	0.22	0	1.09
OCC2	SCHCZ16	RET	2_LT_OCCPCDInst	1	0.73	0	3.22
OCC2	SMOCZ16	RET	2_LT_OCCPCDInst	1	0.87	0	3.41
OCC2	WRHCZ16	RET	2_LT_OCCPCDInst	1	0.5	0	0.98
OCC1	COLCZ16	RET	2_LT_OCCMS	1	0.55	0.03	2.06
OCC1	GRCCZ16	RET	2_LT_OCCMS	1	0.1	0	1.68
OCC1	HLTCZ16	RET	2_LT_OCCMS	1	0.13	0	1.83
OCC1	LDGCZ16	RET	2_LT_OCCMS	1	0.04	0	1.21
OCC1	LGOCZ16	RET	2_LT_OCCMS	1	0.66	0.13	2.16
OCC1	MSCCZ16	RET	2_LT_OCCMS	1	0.21	0	1.51
OCC1	REFCZ16	RET	2_LT_OCCMS	1	0.33	0	0.75
OCC1	RETCZ16	RET	2_LT_OCCMS	1	0.17	0.01	1.6
OCC1	RSTCZ16	RET	2_LT_OCCMS	1	0.07	0	1.18
OCC1	SCHCZ16	RET	2_LT_OCCMS	1	0.67	0.02	2.56
OCC1	SMOCZ16	RET	2_LT_OCCMS	1	0.58	0	1.83
OCC1	WRHCZ16	RET	2_LT_OCCMS	1	0.64	0.03	1.08
INCAN6	COLCZ16	CON	1_LT_IRIP60	1	1	0.99	0.47
INCAN6	COLCZ16	CON	2_LT_CRCP14s	2	1	0.01	0.47
INCAN6	GRCCZ16	CON	1_LT_IRIP60	1	1	1	0.59
INCAN6	GRCCZ16	CON	2_LT_CRCP14s	2	1	0	0.59
INCAN6	HLTCZ16	CON	1_LT_IRIP60	1	1	0.95	0.79
INCAN6	HLTCZ16	CON	2_LT_CRCP14s	2	1	0.05	0.79
INCAN6	LDGCZ16	CON	1_LT_IRIP60	1	1	0.59	0.41
INCAN6	LDGCZ16	CON	2_LT_CRCP14s	2	1	0.41	0.41
INCAN6	LGOCZ16	CON	1_LT_IRIP60	1	1	0.91	0.22



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

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INCAN6	LGOCZ16	CON	2_LT_CRCP14s	2	1	0.09	0.22
INCAN6	MSCCZ16	CON	1_LT_IRIP60	1	1	0.95	0.15
INCAN6	MSCCZ16	CON	2_LT_CRCP14s	2	1	0.05	0.15
INCAN6	REFCZ16	CON	1_LT_IRIP60	1	1	0.98	0.02
INCAN6	REFCZ16	CON	2_LT_CRCP14s	2	1	0.02	0.02
INCAN6	RETCZ16	CON	1_LT_IRIP60	1	1	0.97	1.6
INCAN6	RETCZ16	CON	2_LT_CRCP14s	2	1	0.03	1.6
INCAN6	RSTCZ16	CON	1_LT_IRIP60	1	1	0.92	1.52
INCAN6	RSTCZ16	CON	2_LT_CRCP14s	2	1	0.08	1.52
INCAN6	SCHCZ16	CON	1_LT_IRIP60	1	1	0.85	0.1
INCAN6	SCHCZ16	CON	2_LT_CRCP14s	2	1	0.15	0.1
INCAN6	SMOCZ16	CON	1_LT_IRIP60	1	1	1	1.5
INCAN6	SMOCZ16	CON	2_LT_CRCP14s	2	1	0	1.5
INCAN6	WRHCZ16	CON	1_LT_IRIP60	1	1	0.95	0.04
INCAN6	WRHCZ16	CON	2_LT_CRCP14s	2	1	0.05	0.04
INCAN5	COLCZ16	CON	1_LT_INC120	1	1	0.05	0.23
INCAN5	COLCZ16	CON	2_LT_CFL38s	2	1	0	0.23
INCAN5	COLCZ16	CON	3_LT_CFL38p	3	1	0.95	0.23
INCAN5	GRCCZ16	CON	1_LT_INC120	1	1	0.36	0.07
INCAN5	GRCCZ16	CON	2_LT_CFL38s	2	1	0.02	0.07
INCAN5	GRCCZ16	CON	3_LT_CFL38p	3	1	0.62	0.07
INCAN5	HLTCZ16	CON	1_LT_INC120	1	1	0.52	0.34
INCAN5	HLTCZ16	CON	2_LT_CFL38s	2	1	0.17	0.34
INCAN5	HLTCZ16	CON	3_LT_CFL38p	3	1	0.31	0.34
INCAN5	LDGCZ16	CON	1_LT_INC120	1	1	0.35	3.04
INCAN5	LDGCZ16	CON	2_LT_CFL38s	2	1	0.49	3.04
INCAN5	LDGCZ16	CON	3_LT_CFL38p	3	1	0.16	3.04
INCAN5	LGOCZ16	CON	1_LT_INC120	1	1	0.45	0.06
INCAN5	LGOCZ16	CON	2_LT_CFL38s	2	1	0.15	0.06
INCAN5	LGOCZ16	CON	3_LT_CFL38p	3	1	0.4	0.06
INCAN5	MSCCZ16	CON	1_LT_INC120	1	1	0.48	0.24
INCAN5	MSCCZ16	CON	2_LT_CFL38s	2	1	0.5	0.24
INCAN5	MSCCZ16	CON	3_LT_CFL38p	3	1	0.02	0.24
INCAN5	REFCZ16	CON	1_LT_INC120	1	1	1	0.07
INCAN5	REFCZ16	CON	2_LT_CFL38s	2	1	0	0.07

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ16	CON	3_LT_CFL38p	3	1	0	0.07
INCAN5	RETCZ16	CON	1_LT_INC120	1	1	0.38	0.19
INCAN5	RETCZ16	CON	2_LT_CFL38s	2	1	0.61	0.19
INCAN5	RETCZ16	CON	3_LT_CFL38p	3	1	0.02	0.19
INCAN5	RSTCZ16	CON	1_LT_INC120	1	1	1	0.57
INCAN5	RSTCZ16	CON	2_LT_CFL38s	2	1	0	0.57
INCAN5	RSTCZ16	CON	3_LT_CFL38p	3	1	0	0.57
INCAN5	SCHCZ16	CON	1_LT_INC120	1	1	0.29	0.29
INCAN5	SCHCZ16	CON	2_LT_CFL38s	2	1	0.03	0.29
INCAN5	SCHCZ16	CON	3_LT_CFL38p	3	1	0.68	0.29
INCAN5	SMOCZ16	CON	1_LT_INC120	1	1	1	0.29
INCAN5	SMOCZ16	CON	2_LT_CFL38s	2	1	0	0.29
INCAN5	SMOCZ16	CON	3_LT_CFL38p	3	1	0	0.29
INCAN5	WRHCZ16	CON	1_LT_INC120	1	1	1	0
INCAN5	WRHCZ16	CON	2_LT_CFL38s	2	1	0	0
INCAN5	WRHCZ16	CON	3_LT_CFL38p	3	1	0	0
INCAN3	COLCZ16	CON	1_LT_INC75	1	1	0.27	0.33
INCAN3	COLCZ16	CON	2_LT_CFL20s	2	1	0.55	0.33
INCAN3	COLCZ16	CON	3_LT_CFL20p	3	1	0.19	0.33
INCAN3	GRCCZ16	CON	1_LT_INC75	1	1	0.35	0.09
INCAN3	GRCCZ16	CON	2_LT_CFL20s	2	1	0.65	0.09
INCAN3	GRCCZ16	CON	3_LT_CFL20p	3	1	0	0.09
INCAN3	HLTCZ16	CON	1_LT_INC75	1	1	0.5	1.97
INCAN3	HLTCZ16	CON	2_LT_CFL20s	2	1	0.21	1.97
INCAN3	HLTCZ16	CON	3_LT_CFL20p	3	1	0.29	1.97
INCAN3	LDGCZ16	CON	1_LT_INC75	1	1	0.08	3.94
INCAN3	LDGCZ16	CON	2_LT_CFL20s	2	1	0.67	3.94
INCAN3	LDGCZ16	CON	3_LT_CFL20p	3	1	0.25	3.94
INCAN3	LGOCZ16	CON	1_LT_INC75	1	1	0.02	1.4
INCAN3	LGOCZ16	CON	2_LT_CFL20s	2	1	0.47	1.4
INCAN3	LGOCZ16	CON	3_LT_CFL20p	3	1	0.51	1.4
INCAN3	MSCCZ16	CON	1_LT_INC75	1	1	0.32	0.6
INCAN3	MSCCZ16	CON	2_LT_CFL20s	2	1	0.37	0.6
INCAN3	MSCCZ16	CON	3_LT_CFL20p	3	1	0.31	0.6
INCAN3	REFCZ16	CON	1_LT_INC75	1	1	0.83	0.03

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ16	CON	2_LT_CFL20s	2	1	0.17	0.03
INCAN3	REFCZ16	CON	3_LT_CFL20p	3	1	0	0.03
INCAN3	RETCZ16	CON	1_LT_INC75	1	1	0.2	0.37
INCAN3	RETCZ16	CON	2_LT_CFL20s	2	1	0.61	0.37
INCAN3	RETCZ16	CON	3_LT_CFL20p	3	1	0.19	0.37
INCAN3	RSTCZ16	CON	1_LT_INC75	1	1	0.49	2.85
INCAN3	RSTCZ16	CON	2_LT_CFL20s	2	1	0.41	2.85
INCAN3	RSTCZ16	CON	3_LT_CFL20p	3	1	0.11	2.85
INCAN3	SCHCZ16	CON	1_LT_INC75	1	1	0.64	0.09
INCAN3	SCHCZ16	CON	2_LT_CFL20s	2	1	0	0.09
INCAN3	SCHCZ16	CON	3_LT_CFL20p	3	1	0.36	0.09
INCAN3	SMOCZ16	CON	1_LT_INC75	1	1	0.04	0.8
INCAN3	SMOCZ16	CON	2_LT_CFL20s	2	1	0.25	0.8
INCAN3	SMOCZ16	CON	3_LT_CFL20p	3	1	0.71	0.8
INCAN3	WRHCZ16	CON	1_LT_INC75	1	1	0.12	0.06
INCAN3	WRHCZ16	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ16	CON	3_LT_CFL20p	3	1	0.7	0.06
INCAN2	COLCZ16	CON	1_LT_INC60	1	1	0.75	0.37
INCAN2	COLCZ16	CON	2_LT_CFL15s	2	1	0.16	0.37
INCAN2	COLCZ16	CON	3_LT_CFL15p	3	1	0.09	0.37
INCAN2	GRCCZ16	CON	1_LT_INC60	1	1	0.62	0.14
INCAN2	GRCCZ16	CON	2_LT_CFL15s	2	1	0.17	0.14
INCAN2	GRCCZ16	CON	3_LT_CFL15p	3	1	0.21	0.14
INCAN2	HLTCZ16	CON	1_LT_INC60	1	1	0.6	1.48
INCAN2	HLTCZ16	CON	2_LT_CFL15s	2	1	0.26	1.48
INCAN2	HLTCZ16	CON	3_LT_CFL15p	3	1	0.14	1.48
INCAN2	LDGCZ16	CON	1_LT_INC60	1	1	0.44	4.74
INCAN2	LDGCZ16	CON	2_LT_CFL15s	2	1	0.32	4.74
INCAN2	LDGCZ16	CON	3_LT_CFL15p	3	1	0.24	4.74
INCAN2	LGOCZ16	CON	1_LT_INC60	1	1	0.22	0.72
INCAN2	LGOCZ16	CON	2_LT_CFL15s	2	1	0.25	0.72
INCAN2	LGOCZ16	CON	3_LT_CFL15p	3	1	0.53	0.72
INCAN2	MSCCZ16	CON	1_LT_INC60	1	1	0.95	1.93
INCAN2	MSCCZ16	CON	2_LT_CFL15s	2	1	0.03	1.93
INCAN2	MSCCZ16	CON	3_LT_CFL15p	3	1	0.02	1.93

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ16	CON	1_LT_INC60	1	1	0.88	0.03
INCAN2	REFCZ16	CON	2_LT_CFL15s	2	1	0.12	0.03
INCAN2	REFCZ16	CON	3_LT_CFL15p	3	1	0	0.03
INCAN2	RETCZ16	CON	1_LT_INC60	1	1	0.12	0.96
INCAN2	RETCZ16	CON	2_LT_CFL15s	2	1	0.41	0.96
INCAN2	RETCZ16	CON	3_LT_CFL15p	3	1	0.47	0.96
INCAN2	RSTCZ16	CON	1_LT_INC60	1	1	0.56	2.69
INCAN2	RSTCZ16	CON	2_LT_CFL15s	2	1	0.4	2.69
INCAN2	RSTCZ16	CON	3_LT_CFL15p	3	1	0.04	2.69
INCAN2	SCHCZ16	CON	1_LT_INC60	1	1	0.53	0.4
INCAN2	SCHCZ16	CON	2_LT_CFL15s	2	1	0.35	0.4
INCAN2	SCHCZ16	CON	3_LT_CFL15p	3	1	0.12	0.4
INCAN2	SMOCZ16	CON	1_LT_INC60	1	1	0.92	0.51
INCAN2	SMOCZ16	CON	2_LT_CFL15s	2	1	0.01	0.51
INCAN2	SMOCZ16	CON	3_LT_CFL15p	3	1	0.07	0.51
INCAN2	WRHCZ16	CON	1_LT_INC60	1	1	0.82	0.09
INCAN2	WRHCZ16	CON	2_LT_CFL15s	2	1	0.18	0.09
INCAN2	WRHCZ16	CON	3_LT_CFL15p	3	1	0	0.09
INCAN1	COLCZ16	CON	1_LT_INC40	1	1	0.98	0.1
INCAN1	COLCZ16	CON	2_LT_CFL10_5s	2	1	0	0.1
INCAN1	COLCZ16	CON	3_LT_CFL10_5p	3	1	0.02	0.1
INCAN1	GRCCZ16	CON	1_LT_INC40	1	1	0.7	0.01
INCAN1	GRCCZ16	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	GRCCZ16	CON	3_LT_CFL10_5p	3	1	0.3	0.01
INCAN1	HLTCZ16	CON	1_LT_INC40	1	1	0.9	0.53
INCAN1	HLTCZ16	CON	2_LT_CFL10_5s	2	1	0.02	0.53
INCAN1	HLTCZ16	CON	3_LT_CFL10_5p	3	1	0.08	0.53
INCAN1	LDGCZ16	CON	1_LT_INC40	1	1	0.71	1.54
INCAN1	LDGCZ16	CON	2_LT_CFL10_5s	2	1	0.12	1.54
INCAN1	LDGCZ16	CON	3_LT_CFL10_5p	3	1	0.17	1.54
INCAN1	LGOCZ16	CON	1_LT_INC40	1	1	0.22	0.27
INCAN1	LGOCZ16	CON	2_LT_CFL10_5s	2	1	0.31	0.27
INCAN1	LGOCZ16	CON	3_LT_CFL10_5p	3	1	0.47	0.27
INCAN1	MSCCZ16	CON	1_LT_INC40	1	1	0.97	0.1
INCAN1	MSCCZ16	CON	2_LT_CFL10_5s	2	1	0.03	0.1

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ16	CON	3_LT_CFL10_5p	3	1	0	0.1
INCAN1	REFCZ16	CON	1_LT_INC40	1	1	1	0.01
INCAN1	REFCZ16	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	REFCZ16	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	RETCZ16	CON	1_LT_INC40	1	1	1	0.04
INCAN1	RETCZ16	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	RETCZ16	CON	3_LT_CFL10_5p	3	1	0	0.04
INCAN1	RSTCZ16	CON	1_LT_INC40	1	1	0.98	0.93
INCAN1	RSTCZ16	CON	2_LT_CFL10_5s	2	1	0	0.93
INCAN1	RSTCZ16	CON	3_LT_CFL10_5p	3	1	0.02	0.93
INCAN1	SCHCZ16	CON	1_LT_INC40	1	1	0.3	0.08
INCAN1	SCHCZ16	CON	2_LT_CFL10_5s	2	1	0	0.08
INCAN1	SCHCZ16	CON	3_LT_CFL10_5p	3	1	0.7	0.08
INCAN1	SMOCZ16	CON	1_LT_INC40	1	1	0.99	0.9
INCAN1	SMOCZ16	CON	2_LT_CFL10_5s	2	1	0.01	0.9
INCAN1	SMOCZ16	CON	3_LT_CFL10_5p	3	1	0	0.9
INCAN1	WRHCZ16	CON	1_LT_INC40	1	1	0.91	0.04
INCAN1	WRHCZ16	CON	2_LT_CFL10_5s	2	1	0	0.04
INCAN1	WRHCZ16	CON	3_LT_CFL10_5p	3	1	0.09	0.04
HID6	COLCZ16	CON	1_LT_MH400	1	1	0	4
HID6	COLCZ16	CON	2_LT_PS320	2	1	0	4
HID6	COLCZ16	CON	3_LT_HIDT5HO	3	1	0	4
HID6	GRCCZ16	CON	1_LT_MH400	1	1	0	2.76
HID6	GRCCZ16	CON	2_LT_PS320	2	1	0.01	2.76
HID6	GRCCZ16	CON	3_LT_HIDT5HO	3	1	0	2.76
HID6	HLTCZ16	CON	1_LT_MH400	1	1	0	0
HID6	HLTCZ16	CON	2_LT_PS320	2	1	0	0
HID6	HLTCZ16	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LDGCZ16	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ16	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ16	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ16	CON	1_LT_MH400	1	1	0	0.54
HID6	LGOCZ16	CON	2_LT_PS320	2	1	0	0.54
HID6	LGOCZ16	CON	3_LT_HIDT5HO	3	1	0	0.54
HID6	MSCCZ16	CON	1_LT_MH400	1	1	0.04	1.58

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ16	CON	2_LT_PS320	2	1	0	1.58
HID6	MSCCZ16	CON	3_LT_HIDT5HO	3	1	0	1.58
HID6	REFCZ16	CON	1_LT_MH400	1	1	0.09	5.96
HID6	REFCZ16	CON	2_LT_PS320	2	1	0	5.96
HID6	REFCZ16	CON	3_LT_HIDT5HO	3	1	0	5.96
HID6	RETCZ16	CON	1_LT_MH400	1	1	0.05	2.86
HID6	RETCZ16	CON	2_LT_PS320	2	1	0.03	2.86
HID6	RETCZ16	CON	3_LT_HIDT5HO	3	1	0	2.86
HID6	RSTCZ16	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ16	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ16	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ16	CON	1_LT_MH400	1	1	0.02	3.64
HID6	SCHCZ16	CON	2_LT_PS320	2	1	0	3.64
HID6	SCHCZ16	CON	3_LT_HIDT5HO	3	1	0	3.64
HID6	SMOCZ16	CON	1_LT_MH400	1	1	0.1	0.7
HID6	SMOCZ16	CON	2_LT_PS320	2	1	0	0.7
HID6	SMOCZ16	CON	3_LT_HIDT5HO	3	1	0	0.7
HID6	WRHCZ16	CON	1_LT_MH400	1	1	0.27	1.42
HID6	WRHCZ16	CON	2_LT_PS320	2	1	0.03	1.42
HID6	WRHCZ16	CON	3_LT_HIDT5HO	3	1	0	1.42
HID4MV	COLCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ16	CON	1_LT_MV400	1	1	0	7.27
HID4MV	MSCCZ16	CON	2_LT_MH250mv	2	1	0	7.27
HID4MV	REFCZ16	CON	1_LT_MV400	1	1	0.02	5.71
HID4MV	REFCZ16	CON	2_LT_MH250mv	2	1	0.07	5.71
HID4MV	RETCZ16	CON	1_LT_MV400	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	SCHCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SMOCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ16	CON	1_LT_MV400	1	1	0.01	4.46
HID4MV	WRHCZ16	CON	2_LT_MH250mv	2	1	0.01	4.46
HID4I	COLCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ16	CON	2_LT_MH250i	2	1	0.02	0.45
HID4I	GRCCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ16	CON	2_LT_MH250i	2	1	0.04	0.41
HID4I	HLTCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ16	CON	2_LT_MH250i	2	1	0	0.19
HID4I	LDGCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ16	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ16	CON	2_LT_MH250i	2	1	0	0.97
HID4I	MSCCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ16	CON	2_LT_MH250i	2	1	0.02	0.83
HID4I	REFCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ16	CON	2_LT_MH250i	2	1	0.04	3.95
HID4I	RETCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ16	CON	2_LT_MH250i	2	1	0.04	0.15
HID4I	RSTCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ16	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ16	CON	2_LT_MH250i	2	1	0.01	0.81
HID4I	SMOCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ16	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ16	CON	2_LT_MH250i	2	1	0.09	0.34
HID3MV	COLCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ16	CON	2_LT_MH175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	LDGCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LGOCZ16	CON	1_LT_MV250	1	1	0	7.22
HID3MV	LGOCZ16	CON	2_LT_MH175mv	2	1	0	7.22
HID3MV	MSCCZ16	CON	1_LT_MV250	1	1	0	48.77
HID3MV	MSCCZ16	CON	2_LT_MH175mv	2	1	0	48.77
HID3MV	REFCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	REFCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	RETCZ16	CON	1_LT_MV250	1	1	0.01	1.72
HID3MV	RETCZ16	CON	2_LT_MH175mv	2	1	0	1.72
HID3MV	RSTCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	WRHCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3I	COLCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ16	CON	2_LT_MH175i	2	1	0	0
HID3I	GRCCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ16	CON	2_LT_MH175i	2	1	0.04	1.08
HID3I	HLTCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ16	CON	2_LT_MH175i	2	1	0	35.66
HID3I	LDGCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ16	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ16	CON	2_LT_MH175i	2	1	0	0
HID3I	MSCCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ16	CON	2_LT_MH175i	2	1	0.03	0.66
HID3I	REFCZ16	CON	1_LT_INC500i	1	1	0	0



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ16	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ16	CON	2_LT_MH175i	2	1	0	0.15
HID3I	RSTCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ16	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ16	CON	2_LT_MH175i	2	1	0	3.2
HID3I	SMOCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ16	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ16	CON	2_LT_MH175i	2	1	0	4.43
HID2MV	COLCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	GRCCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	HLTCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ16	CON	2_LT_MH100mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ16	CON	1_LT_INC300	1	1	0.01	10.1
HID2I	COLCZ16	CON	2_LT_MH100i	2	1	0	10.1
HID2I	GRCCZ16	CON	1_LT_INC300	1	1	0.04	3.16
HID2I	GRCCZ16	CON	2_LT_MH100i	2	1	0.02	3.16
HID2I	HLTCZ16	CON	1_LT_INC300	1	1	0.01	1.09
HID2I	HLTCZ16	CON	2_LT_MH100i	2	1	0.01	1.09
HID2I	LDGCZ16	CON	1_LT_INC300	1	1	0.03	2.1
HID2I	LDGCZ16	CON	2_LT_MH100i	2	1	0	2.1
HID2I	LGOCZ16	CON	1_LT_INC300	1	1	0	0
HID2I	LGOCZ16	CON	2_LT_MH100i	2	1	0	0
HID2I	MSCCZ16	CON	1_LT_INC300	1	1	0.02	0.58
HID2I	MSCCZ16	CON	2_LT_MH100i	2	1	0	0.58
HID2I	REFCZ16	CON	1_LT_INC300	1	1	0.01	1.45
HID2I	REFCZ16	CON	2_LT_MH100i	2	1	0.02	1.45
HID2I	RETCZ16	CON	1_LT_INC300	1	1	0.03	25.23
HID2I	RETCZ16	CON	2_LT_MH100i	2	1	0	25.23
HID2I	RSTCZ16	CON	1_LT_INC300	1	1	0	0
HID2I	RSTCZ16	CON	2_LT_MH100i	2	1	0	0
HID2I	SCHCZ16	CON	1_LT_INC300	1	1	0	1.39
HID2I	SCHCZ16	CON	2_LT_MH100i	2	1	0	1.39
HID2I	SMOCZ16	CON	1_LT_INC300	1	1	0	0
HID2I	SMOCZ16	CON	2_LT_MH100i	2	1	0	0
HID2I	WRHCZ16	CON	1_LT_INC300	1	1	0.05	0.08
HID2I	WRHCZ16	CON	2_LT_MH100i	2	1	0	0.08
HID1MV	COLCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	COLCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	GRCCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	HLTCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LDGCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ16	CON	1_LT_MV100	1	1	0	0.15
HID1MV	LGOCZ16	CON	2_LT_MH70mv	2	1	0	0.15
HID1MV	MSCCZ16	CON	1_LT_MV100	1	1	0	0.69

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ16	CON	2_LT_MH70mv	2	1	0	0.69
HID1MV	REFCZ16	CON	1_LT_MV100	1	1	0	7.93
HID1MV	REFCZ16	CON	2_LT_MH70mv	2	1	0	7.93
HID1MV	RETCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ16	CON	1_LT_MV100	1	1	0	0.84
HID1MV	RSTCZ16	CON	2_LT_MH70mv	2	1	0	0.84
HID1MV	SCHCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ16	CON	1_LT_INC200	1	1	0	0
HID1I	COLCZ16	CON	2_LT_MH70i	2	1	0	0
HID1I	GRCCZ16	CON	1_LT_INC200	1	1	0	11.94
HID1I	GRCCZ16	CON	2_LT_MH70i	2	1	0	11.94
HID1I	HLTCZ16	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ16	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ16	CON	1_LT_INC200	1	1	0	0
HID1I	LDGCZ16	CON	2_LT_MH70i	2	1	0	0
HID1I	LGOCZ16	CON	1_LT_INC200	1	1	0	6.03
HID1I	LGOCZ16	CON	2_LT_MH70i	2	1	0	6.03
HID1I	MSCCZ16	CON	1_LT_INC200	1	1	0.01	12.69
HID1I	MSCCZ16	CON	2_LT_MH70i	2	1	0	12.69
HID1I	REFCZ16	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ16	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ16	CON	1_LT_INC200	1	1	0	168.81
HID1I	RETCZ16	CON	2_LT_MH70i	2	1	0	168.81
HID1I	RSTCZ16	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ16	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ16	CON	1_LT_INC200	1	1	0.01	11.99
HID1I	SCHCZ16	CON	2_LT_MH70i	2	1	0	11.99
HID1I	SMOCZ16	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ16	CON	2_LT_MH70i	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ16	CON	1_LT_INC200	1	1	0	1.67
HID1I	WRHCZ16	CON	2_LT_MH70i	2	1	0	1.67
HID13MV	COLCZ16	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ16	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	GRCCZ16	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	HLTCZ16	CON	1_LT_EXMV400	1	1	0	0
HID13MV	HLTCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LDGCZ16	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ16	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ16	CON	1_LT_EXMV400	1	1	1	0.06
HID13MV	MSCCZ16	CON	2_LT_EXPS250mv	2	1	0	0.06
HID13MV	REFCZ16	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	REFCZ16	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13MV	RETCZ16	CON	1_LT_EXMV400	1	1	1	0.04
HID13MV	RETCZ16	CON	2_LT_EXPS250mv	2	1	0	0.04
HID13MV	RSTCZ16	CON	1_LT_EXMV400	1	1	0	0
HID13MV	RSTCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SCHCZ16	CON	1_LT_EXMV400	1	1	0	0
HID13MV	SCHCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ16	CON	1_LT_EXMV400	1	1	1	0.03
HID13MV	SMOCZ16	CON	2_LT_EXPS250mv	2	1	0	0.03
HID13MV	WRHCZ16	CON	1_LT_EXMV400	1	1	1	0.01
HID13MV	WRHCZ16	CON	2_LT_EXPS250mv	2	1	0	0.01
HID13I	COLCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ16	CON	1_LT_EXINC700	1	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ16	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	MSCCZ16	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	REFCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ16	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RETCZ16	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	RSTCZ16	CON	1_LT_EXINC700	1	1	0	0.01
HID13I	RSTCZ16	CON	2_LT_EXPS250i	2	1	1	0.01
HID13I	SCHCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ16	CON	1_LT_EXMV250	1	1	1	0
HID12MV	COLCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ16	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	GRCCZ16	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	HLTCZ16	CON	1_LT_EXMV250	1	1	0	0
HID12MV	HLTCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ16	CON	1_LT_EXMV250	1	1	0	0
HID12MV	LDGCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ16	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LGOCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	MSCCZ16	CON	1_LT_EXMV250	1	1	1	0.03
HID12MV	MSCCZ16	CON	2_LT_EXPS175mv	2	1	0	0.03
HID12MV	REFCZ16	CON	1_LT_EXMV250	1	1	0	0
HID12MV	REFCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	RETCZ16	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ16	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ16	CON	1_LT_EXMV250	1	1	0	0
HID12MV	RSTCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ16	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SCHCZ16	CON	2_LT_EXPS175mv	2	1	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ16	CON	1_LT_EXMV250	1	1	0	0
HID12MV	SMOCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ16	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ16	CON	1_LT_EXINC500	1	1	0	0.01
HID12I	GRCCZ16	CON	2_LT_EXPS175i	2	1	1	0.01
HID12I	HLTCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	REFCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ16	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ16	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ16	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	GRCCZ16	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	HLTCZ16	CON	1_LT_EXMV175	1	1	0	0
HID11MV	HLTCZ16	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LDGCZ16	CON	1_LT_EXMV175	1	1	1	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ16	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ16	CON	1_LT_EXMV175	1	1	1	0
HID11MV	LGOCZ16	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	MSCCZ16	CON	1_LT_EXMV175	1	1	1	0.19
HID11MV	MSCCZ16	CON	2_LT_EXMH100mv	2	1	0	0.19
HID11MV	REFCZ16	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ16	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ16	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RETCZ16	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RSTCZ16	CON	1_LT_EXMV175	1	1	1	0
HID11MV	RSTCZ16	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	SCHCZ16	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	SCHCZ16	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	SMOCZ16	CON	1_LT_EXMV175	1	1	1	0.08
HID11MV	SMOCZ16	CON	2_LT_EXMH100mv	2	1	0	0.08
HID11MV	WRHCZ16	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	WRHCZ16	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11I	COLCZ16	CON	1_LT_EXINC300	1	1	0	0
HID11I	COLCZ16	CON	2_LT_EXMH100i	2	1	1	0
HID11I	GRCCZ16	CON	1_LT_EXINC300	1	1	0.19	0.05
HID11I	GRCCZ16	CON	2_LT_EXMH100i	2	1	0.81	0.05
HID11I	HLTCZ16	CON	1_LT_EXINC300	1	1	0	0.13
HID11I	HLTCZ16	CON	2_LT_EXMH100i	2	1	1	0.13
HID11I	LDGCZ16	CON	1_LT_EXINC300	1	1	0.02	0.05
HID11I	LDGCZ16	CON	2_LT_EXMH100i	2	1	0.98	0.05
HID11I	LGOCZ16	CON	1_LT_EXINC300	1	1	0.01	0.01
HID11I	LGOCZ16	CON	2_LT_EXMH100i	2	1	0.99	0.01
HID11I	MSCCZ16	CON	1_LT_EXINC300	1	1	0.06	0.06
HID11I	MSCCZ16	CON	2_LT_EXMH100i	2	1	0.94	0.06
HID11I	REFCZ16	CON	1_LT_EXINC300	1	1	0	0.01
HID11I	REFCZ16	CON	2_LT_EXMH100i	2	1	1	0.01
HID11I	RETCZ16	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ16	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ16	CON	1_LT_EXINC300	1	1	0.33	0.01
HID11I	RSTCZ16	CON	2_LT_EXMH100i	2	1	0.67	0.01

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ16	CON	1_LT_EXINC300	1	1	0.15	0.05
HID11I	SCHCZ16	CON	2_LT_EXMH100i	2	1	0.85	0.05
HID11I	SMOCZ16	CON	1_LT_EXINC300	1	1	0	0.32
HID11I	SMOCZ16	CON	2_LT_EXMH100i	2	1	1	0.32
HID11I	WRHCZ16	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	WRHCZ16	CON	2_LT_EXMH100i	2	1	1	0.02
FLUOR4A	COLCZ16	CON	1_LT_8T12	1	1	1	0.05
FLUOR4A	COLCZ16	CON	2_LT_8T82ndG	2	1	0	0.05
FLUOR4A	GRCCZ16	CON	1_LT_8T12	1	1	0.52	2.58
FLUOR4A	GRCCZ16	CON	2_LT_8T82ndG	2	1	0.48	2.58
FLUOR4A	HLTCZ16	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	HLTCZ16	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	LDGCZ16	CON	1_LT_8T12	1	1	1	0.02
FLUOR4A	LDGCZ16	CON	2_LT_8T82ndG	2	1	0	0.02
FLUOR4A	LGOCZ16	CON	1_LT_8T12	1	1	0.9	0.13
FLUOR4A	LGOCZ16	CON	2_LT_8T82ndG	2	1	0.1	0.13
FLUOR4A	MSCCZ16	CON	1_LT_8T12	1	1	0.98	1.22
FLUOR4A	MSCCZ16	CON	2_LT_8T82ndG	2	1	0.02	1.22
FLUOR4A	REFCZ16	CON	1_LT_8T12	1	1	0.97	1.17
FLUOR4A	REFCZ16	CON	2_LT_8T82ndG	2	1	0.03	1.17
FLUOR4A	RETCZ16	CON	1_LT_8T12	1	1	0.66	1.13
FLUOR4A	RETCZ16	CON	2_LT_8T82ndG	2	1	0.34	1.13
FLUOR4A	RSTCZ16	CON	1_LT_8T12	1	1	0.93	0.95
FLUOR4A	RSTCZ16	CON	2_LT_8T82ndG	2	1	0.07	0.95
FLUOR4A	SCHCZ16	CON	1_LT_8T12	1	1	0.9	0.53
FLUOR4A	SCHCZ16	CON	2_LT_8T82ndG	2	1	0.1	0.53
FLUOR4A	SMOCZ16	CON	1_LT_8T12	1	1	0.37	0.18
FLUOR4A	SMOCZ16	CON	2_LT_8T82ndG	2	1	0.63	0.18
FLUOR4A	WRHCZ16	CON	1_LT_8T12	1	1	0.99	1.79
FLUOR4A	WRHCZ16	CON	2_LT_8T82ndG	2	1	0.01	1.79
FLUOR1A	COLCZ16	CON	1_LT_4T12	1	1	0.6	7.5
FLUOR1A	COLCZ16	CON	2_LT_4T8_5	2	1	0.4	7.5
FLUOR1A	GRCCZ16	CON	1_LT_4T12	1	1	0.08	9.03
FLUOR1A	GRCCZ16	CON	2_LT_4T8_5	2	1	0.92	9.03
FLUOR1A	HLTCZ16	CON	1_LT_4T12	1	1	0.15	5.95



PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ16	CON	2_LT_4T8_5	2	1	0.85	5.95
FLUOR1A	LDGCZ16	CON	1_LT_4T12	1	1	0.38	0.93
FLUOR1A	LDGCZ16	CON	2_LT_4T8_5	2	1	0.62	0.93
FLUOR1A	LGOCZ16	CON	1_LT_4T12	1	1	0.11	4.87
FLUOR1A	LGOCZ16	CON	2_LT_4T8_5	2	1	0.89	4.87
FLUOR1A	MSCCZ16	CON	1_LT_4T12	1	1	0.41	2.15
FLUOR1A	MSCCZ16	CON	2_LT_4T8_5	2	1	0.59	2.15
FLUOR1A	REFCZ16	CON	1_LT_4T12	1	1	0.43	0.88
FLUOR1A	REFCZ16	CON	2_LT_4T8_5	2	1	0.57	0.88
FLUOR1A	RETCZ16	CON	1_LT_4T12	1	1	0.13	4.27
FLUOR1A	RETCZ16	CON	2_LT_4T8_5	2	1	0.87	4.27
FLUOR1A	RSTCZ16	CON	1_LT_4T12	1	1	0.76	2.04
FLUOR1A	RSTCZ16	CON	2_LT_4T8_5	2	1	0.24	2.04
FLUOR1A	SCHCZ16	CON	1_LT_4T12	1	1	0.23	5.4
FLUOR1A	SCHCZ16	CON	2_LT_4T8_5	2	1	0.77	5.4
FLUOR1A	SMOCZ16	CON	1_LT_4T12	1	1	0.18	3.97
FLUOR1A	SMOCZ16	CON	2_LT_4T8_5	2	1	0.82	3.97
FLUOR1A	WRHCZ16	CON	1_LT_4T12	1	1	0.23	1.14
FLUOR1A	WRHCZ16	CON	2_LT_4T8_5	2	1	0.77	1.14
EXIT1	COLCZ16	RET	2_LT_EXLED	1	1	0.83	0.45
EXIT1	GRCCZ16	RET	2_LT_EXLED	1	1	0.64	0.22
EXIT1	HLTCZ16	RET	2_LT_EXLED	1	1	0.72	0.48
EXIT1	LDGCZ16	RET	2_LT_EXLED	1	1	0.04	0.38
EXIT1	LGOCZ16	RET	2_LT_EXLED	1	1	0.55	0.48
EXIT1	MSCCZ16	RET	2_LT_EXLED	1	1	0.56	0.55
EXIT1	REFCZ16	RET	2_LT_EXLED	1	1	0.44	0.14
EXIT1	RETCZ16	RET	2_LT_EXLED	1	1	0.29	0.27
EXIT1	RSTCZ16	RET	2_LT_EXLED	1	1	0.32	0.8
EXIT1	SCHCZ16	RET	2_LT_EXLED	1	1	0.48	0.24
EXIT1	SMOCZ16	RET	2_LT_EXLED	1	1	0.75	0.79
EXIT1	WRHCZ16	RET	2_LT_EXLED	1	1	0.84	0.16
DL1	COLCZ16	RET	2_LT_DLInst	1	0	0	47.3
DL1	GRCCZ16	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ16	RET	2_LT_DLInst	1	0	0	14.99
DL1	LDGCZ16	RET	2_LT_DLInst	1	0	0	0

PG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ16	RET	2_LT_DLInst	1	0.12	0	24.58
DL1	MSCCZ16	RET	2_LT_DLInst	1	0	0	31.64
DL1	REFCZ16	RET	2_LT_DLInst	1	0	0	12.54
DL1	RETCZ16	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ16	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ16	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ16	RET	2_LT_DLInst	1	0.07	0	31.41
DL1	WRHCZ16	RET	2_LT_DLInst	1	0.01	0	0.03

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ06	RET	2_LT_RFLCSpec8	1	0	0	4.62
RFLC2	GRCCZ06	RET	2_LT_RFLCSpec8	1	0	0	0.97
RFLC2	HLTCZ06	RET	2_LT_RFLCSpec8	1	0	0	5.91
RFLC2	LDGCZ06	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ06	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ06	RET	2_LT_RFLCSpec8	1	0.01	0	3.6
RFLC2	REFCZ06	RET	2_LT_RFLCSpec8	1	0.02	0	1.64
RFLC2	RETCZ06	RET	2_LT_RFLCSpec8	1	0.05	0	2.82
RFLC2	RSTCZ06	RET	2_LT_RFLCSpec8	1	0	0	5
RFLC2	SCHCZ06	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	SMOCZ06	RET	2_LT_RFLCSpec8	1	0	0	3.87
RFLC2	WRHCZ06	RET	2_LT_RFLCSpec8	1	0.02	0	1.1
RFLC1	COLCZ06	RET	2_LT_RFLCSpec4	1	0.44	0	10.61
RFLC1	GRCCZ06	RET	2_LT_RFLCSpec4	1	0.34	0.02	5.85
RFLC1	HLTCZ06	RET	2_LT_RFLCSpec4	1	0.27	0.03	9
RFLC1	LDGCZ06	RET	2_LT_RFLCSpec4	1	0.07	0	2.85
RFLC1	LGOCZ06	RET	2_LT_RFLCSpec4	1	0.49	0.09	10.53
RFLC1	MSCCZ06	RET	2_LT_RFLCSpec4	1	0.13	0	9.68
RFLC1	REFCZ06	RET	2_LT_RFLCSpec4	1	0.32	0.01	4.62
RFLC1	RETCZ06	RET	2_LT_RFLCSpec4	1	0.32	0	8.33
RFLC1	RSTCZ06	RET	2_LT_RFLCSpec4	1	0.24	0	10.23
RFLC1	SCHCZ06	RET	2_LT_RFLCSpec4	1	0.29	0.06	13.07
RFLC1	SMOCZ06	RET	2_LT_RFLCSpec4	1	0.5	0	11.56
RFLC1	WRHCZ06	RET	2_LT_RFLCSpec4	1	0.18	0.01	5.8
PC1	COLCZ06	CON	1_LT_PCNoCtrl	1	1	0	0.58
PC1	COLCZ06	CON	2_LT_PCPC	2	1	0.76	0.58
PC1	COLCZ06	CON	3_LT_PCTC	3	1	0.08	0.58
PC1	COLCZ06	CON	4_LT_PCPT	4	1	0.02	0.58
PC1	GRCCZ06	CON	1_LT_PCNoCtrl	1	1	0	1.39
PC1	GRCCZ06	CON	2_LT_PCPC	2	1	0.38	1.39
PC1	GRCCZ06	CON	3_LT_PCTC	3	1	0.23	1.39
PC1	GRCCZ06	CON	4_LT_PCPT	4	1	0.05	1.39
PC1	HLTCZ06	CON	1_LT_PCNoCtrl	1	1	0.01	0.36
PC1	HLTCZ06	CON	2_LT_PCPC	2	1	0.59	0.36
PC1	HLTCZ06	CON	3_LT_PCTC	3	1	0.23	0.36

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ06	CON	4_LT_PCPT	4	1	0.03	0.36
PC1	LDGCZ06	CON	1_LT_PCNoCtrl	1	1	0	0.41
PC1	LDGCZ06	CON	2_LT_PCPC	2	1	0.5	0.41
PC1	LDGCZ06	CON	3_LT_PCTC	3	1	0.42	0.41
PC1	LDGCZ06	CON	4_LT_PCPT	4	1	0.07	0.41
PC1	LGOCZ06	CON	1_LT_PCNoCtrl	1	1	0.05	0.39
PC1	LGOCZ06	CON	2_LT_PCPC	2	1	0.29	0.39
PC1	LGOCZ06	CON	3_LT_PCTC	3	1	0.48	0.39
PC1	LGOCZ06	CON	4_LT_PCPT	4	1	0.09	0.39
PC1	MSCCZ06	CON	1_LT_PCNoCtrl	1	1	0	0.75
PC1	MSCCZ06	CON	2_LT_PCPC	2	1	0.1	0.75
PC1	MSCCZ06	CON	3_LT_PCTC	3	1	0.43	0.75
PC1	MSCCZ06	CON	4_LT_PCPT	4	1	0.01	0.75
PC1	REFCZ06	CON	1_LT_PCNoCtrl	1	1	0	0.21
PC1	REFCZ06	CON	2_LT_PCPC	2	1	0.49	0.21
PC1	REFCZ06	CON	3_LT_PCTC	3	1	0.23	0.21
PC1	REFCZ06	CON	4_LT_PCPT	4	1	0.09	0.21
PC1	RETCZ06	CON	1_LT_PCNoCtrl	1	1	0	1
PC1	RETCZ06	CON	2_LT_PCPC	2	1	0.22	1
PC1	RETCZ06	CON	3_LT_PCTC	3	1	0.42	1
PC1	RETCZ06	CON	4_LT_PCPT	4	1	0.05	1
PC1	RSTCZ06	CON	1_LT_PCNoCtrl	1	1	0	1.84
PC1	RSTCZ06	CON	2_LT_PCPC	2	1	0.32	1.84
PC1	RSTCZ06	CON	3_LT_PCTC	3	1	0.34	1.84
PC1	RSTCZ06	CON	4_LT_PCPT	4	1	0.02	1.84
PC1	SCHCZ06	CON	1_LT_PCNoCtrl	1	1	0.01	0.41
PC1	SCHCZ06	CON	2_LT_PCPC	2	1	0.42	0.41
PC1	SCHCZ06	CON	3_LT_PCTC	3	1	0.34	0.41
PC1	SCHCZ06	CON	4_LT_PCPT	4	1	0.2	0.41
PC1	SMOCZ06	CON	1_LT_PCNoCtrl	1	1	0	1.9
PC1	SMOCZ06	CON	2_LT_PCPC	2	1	0.17	1.9
PC1	SMOCZ06	CON	3_LT_PCTC	3	1	0.32	1.9
PC1	SMOCZ06	CON	4_LT_PCPT	4	1	0.02	1.9
PC1	WRHCZ06	CON	1_LT_PCNoCtrl	1	1	0	0.13
PC1	WRHCZ06	CON	2_LT_PCPC	2	1	0.53	0.13

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ06	CON	3_LT_PCTC	3	1	0.31	0.13
PC1	WRHCZ06	CON	4_LT_PCPT	4	1	0.11	0.13
OCC2	COLCZ06	RET	2_LT_OCCPCDInst	1	0.67	0	3.65
OCC2	GRCCZ06	RET	2_LT_OCCPCDInst	1	0.43	0	0.57
OCC2	HLTCZ06	RET	2_LT_OCCPCDInst	1	0.46	0	2.86
OCC2	LDGCZ06	RET	2_LT_OCCPCDInst	1	0.22	0	2.88
OCC2	LGOCZ06	RET	2_LT_OCCPCDInst	1	0.79	0	3.78
OCC2	MSCCZ06	RET	2_LT_OCCPCDInst	1	0.7	0	1.16
OCC2	REFCZ06	RET	2_LT_OCCPCDInst	1	0.33	0	0.59
OCC2	RETCZ06	RET	2_LT_OCCPCDInst	1	0.43	0	1.15
OCC2	RSTCZ06	RET	2_LT_OCCPCDInst	1	0.24	0	0.85
OCC2	SCHCZ06	RET	2_LT_OCCPCDInst	1	0.7	0	3.4
OCC2	SMOCZ06	RET	2_LT_OCCPCDInst	1	0.8	0	3.92
OCC2	WRHCZ06	RET	2_LT_OCCPCDInst	1	0.38	0	1.13
OCC1	COLCZ06	RET	2_LT_OCCMS	1	0.6	0.04	2.55
OCC1	GRCCZ06	RET	2_LT_OCCMS	1	0.1	0	1.83
OCC1	HLTCZ06	RET	2_LT_OCCMS	1	0.18	0.01	2.02
OCC1	LDGCZ06	RET	2_LT_OCCMS	1	0.03	0	1.73
OCC1	LGOCZ06	RET	2_LT_OCCMS	1	0.52	0.08	2.17
OCC1	MSCCZ06	RET	2_LT_OCCMS	1	0.1	0	2.16
OCC1	REFCZ06	RET	2_LT_OCCMS	1	0.3	0	1.03
OCC1	RETCZ06	RET	2_LT_OCCMS	1	0.25	0.01	1.49
OCC1	RSTCZ06	RET	2_LT_OCCMS	1	0.05	0	1.84
OCC1	SCHCZ06	RET	2_LT_OCCMS	1	0.68	0.11	2.74
OCC1	SMOCZ06	RET	2_LT_OCCMS	1	0.65	0	3.09
OCC1	WRHCZ06	RET	2_LT_OCCMS	1	0.6	0.01	0.97
INCAN6	COLCZ06	CON	1_LT_IRIP60	1	1	0.74	0.09
INCAN6	COLCZ06	CON	2_LT_CRC14s	2	1	0.26	0.09
INCAN6	GRCCZ06	CON	1_LT_IRIP60	1	1	0.99	0.83
INCAN6	GRCCZ06	CON	2_LT_CRC14s	2	1	0.01	0.83
INCAN6	HLTCZ06	CON	1_LT_IRIP60	1	1	0.85	0.46
INCAN6	HLTCZ06	CON	2_LT_CRC14s	2	1	0.15	0.46
INCAN6	LDGCZ06	CON	1_LT_IRIP60	1	1	0.43	0.35
INCAN6	LDGCZ06	CON	2_LT_CRC14s	2	1	0.57	0.35
INCAN6	LGOCZ06	CON	1_LT_IRIP60	1	1	0.87	0.08

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ06	CON	2_LT_CRC14s	2	1	0.13	0.08
INCAN6	MSCCZ06	CON	1_LT_IRIP60	1	1	1	1.09
INCAN6	MSCCZ06	CON	2_LT_CRC14s	2	1	0	1.09
INCAN6	REFCZ06	CON	1_LT_IRIP60	1	1	0.97	0.02
INCAN6	REFCZ06	CON	2_LT_CRC14s	2	1	0.03	0.02
INCAN6	RETCZ06	CON	1_LT_IRIP60	1	1	0.99	2.16
INCAN6	RETCZ06	CON	2_LT_CRC14s	2	1	0.01	2.16
INCAN6	RSTCZ06	CON	1_LT_IRIP60	1	1	0.94	1.43
INCAN6	RSTCZ06	CON	2_LT_CRC14s	2	1	0.06	1.43
INCAN6	SCHCZ06	CON	1_LT_IRIP60	1	1	0.92	0.06
INCAN6	SCHCZ06	CON	2_LT_CRC14s	2	1	0.08	0.06
INCAN6	SMOCZ06	CON	1_LT_IRIP60	1	1	0.94	0.62
INCAN6	SMOCZ06	CON	2_LT_CRC14s	2	1	0.06	0.62
INCAN6	WRHCZ06	CON	1_LT_IRIP60	1	1	0.94	0.01
INCAN6	WRHCZ06	CON	2_LT_CRC14s	2	1	0.06	0.01
INCAN5	COLCZ06	CON	1_LT_INC120	1	1	0	0.31
INCAN5	COLCZ06	CON	2_LT_CFL38s	2	1	0	0.31
INCAN5	COLCZ06	CON	3_LT_CFL38p	3	1	1	0.31
INCAN5	GRCCZ06	CON	1_LT_INC120	1	1	1	0.11
INCAN5	GRCCZ06	CON	2_LT_CFL38s	2	1	0	0.11
INCAN5	GRCCZ06	CON	3_LT_CFL38p	3	1	0	0.11
INCAN5	HLTCZ06	CON	1_LT_INC120	1	1	0.04	0.92
INCAN5	HLTCZ06	CON	2_LT_CFL38s	2	1	0.3	0.92
INCAN5	HLTCZ06	CON	3_LT_CFL38p	3	1	0.66	0.92
INCAN5	LDGCZ06	CON	1_LT_INC120	1	1	0.4	1.8
INCAN5	LDGCZ06	CON	2_LT_CFL38s	2	1	0.39	1.8
INCAN5	LDGCZ06	CON	3_LT_CFL38p	3	1	0.21	1.8
INCAN5	LGOCZ06	CON	1_LT_INC120	1	1	0.07	0.1
INCAN5	LGOCZ06	CON	2_LT_CFL38s	2	1	0.36	0.1
INCAN5	LGOCZ06	CON	3_LT_CFL38p	3	1	0.57	0.1
INCAN5	MSCCZ06	CON	1_LT_INC120	1	1	0.97	1.54
INCAN5	MSCCZ06	CON	2_LT_CFL38s	2	1	0.03	1.54
INCAN5	MSCCZ06	CON	3_LT_CFL38p	3	1	0	1.54
INCAN5	REFCZ06	CON	1_LT_INC120	1	1	0	0
INCAN5	REFCZ06	CON	2_LT_CFL38s	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ06	CON	3_LT_CFL38p	3	1	0	0
INCAN5	RETCZ06	CON	1_LT_INC120	1	1	0.29	0.2
INCAN5	RETCZ06	CON	2_LT_CFL38s	2	1	0.71	0.2
INCAN5	RETCZ06	CON	3_LT_CFL38p	3	1	0	0.2
INCAN5	RSTCZ06	CON	1_LT_INC120	1	1	0.81	0.96
INCAN5	RSTCZ06	CON	2_LT_CFL38s	2	1	0.17	0.96
INCAN5	RSTCZ06	CON	3_LT_CFL38p	3	1	0.02	0.96
INCAN5	SCHCZ06	CON	1_LT_INC120	1	1	0.29	0.06
INCAN5	SCHCZ06	CON	2_LT_CFL38s	2	1	0.04	0.06
INCAN5	SCHCZ06	CON	3_LT_CFL38p	3	1	0.67	0.06
INCAN5	SMOCZ06	CON	1_LT_INC120	1	1	0.45	0.17
INCAN5	SMOCZ06	CON	2_LT_CFL38s	2	1	0.55	0.17
INCAN5	SMOCZ06	CON	3_LT_CFL38p	3	1	0	0.17
INCAN5	WRHCZ06	CON	1_LT_INC120	1	1	1	0.01
INCAN5	WRHCZ06	CON	2_LT_CFL38s	2	1	0	0.01
INCAN5	WRHCZ06	CON	3_LT_CFL38p	3	1	0	0.01
INCAN3	COLCZ06	CON	1_LT_INC75	1	1	0	0.21
INCAN3	COLCZ06	CON	2_LT_CFL20s	2	1	0.05	0.21
INCAN3	COLCZ06	CON	3_LT_CFL20p	3	1	0.95	0.21
INCAN3	GRCCZ06	CON	1_LT_INC75	1	1	0.21	0.36
INCAN3	GRCCZ06	CON	2_LT_CFL20s	2	1	0.64	0.36
INCAN3	GRCCZ06	CON	3_LT_CFL20p	3	1	0.15	0.36
INCAN3	HLTCZ06	CON	1_LT_INC75	1	1	0.25	0.77
INCAN3	HLTCZ06	CON	2_LT_CFL20s	2	1	0.45	0.77
INCAN3	HLTCZ06	CON	3_LT_CFL20p	3	1	0.3	0.77
INCAN3	LDGCZ06	CON	1_LT_INC75	1	1	0.11	4.85
INCAN3	LDGCZ06	CON	2_LT_CFL20s	2	1	0.69	4.85
INCAN3	LDGCZ06	CON	3_LT_CFL20p	3	1	0.2	4.85
INCAN3	LGOCZ06	CON	1_LT_INC75	1	1	0.18	0.51
INCAN3	LGOCZ06	CON	2_LT_CFL20s	2	1	0.36	0.51
INCAN3	LGOCZ06	CON	3_LT_CFL20p	3	1	0.45	0.51
INCAN3	MSCCZ06	CON	1_LT_INC75	1	1	0.09	0.6
INCAN3	MSCCZ06	CON	2_LT_CFL20s	2	1	0.07	0.6
INCAN3	MSCCZ06	CON	3_LT_CFL20p	3	1	0.85	0.6
INCAN3	REFCZ06	CON	1_LT_INC75	1	1	1	0.02

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ06	CON	2_LT_CFL20s	2	1	0	0.02
INCAN3	REFCZ06	CON	3_LT_CFL20p	3	1	0	0.02
INCAN3	RETCZ06	CON	1_LT_INC75	1	1	0.06	0.52
INCAN3	RETCZ06	CON	2_LT_CFL20s	2	1	0.41	0.52
INCAN3	RETCZ06	CON	3_LT_CFL20p	3	1	0.53	0.52
INCAN3	RSTCZ06	CON	1_LT_INC75	1	1	0.86	2.31
INCAN3	RSTCZ06	CON	2_LT_CFL20s	2	1	0.08	2.31
INCAN3	RSTCZ06	CON	3_LT_CFL20p	3	1	0.06	2.31
INCAN3	SCHCZ06	CON	1_LT_INC75	1	1	0.07	0.8
INCAN3	SCHCZ06	CON	2_LT_CFL20s	2	1	0.45	0.8
INCAN3	SCHCZ06	CON	3_LT_CFL20p	3	1	0.49	0.8
INCAN3	SMOCZ06	CON	1_LT_INC75	1	1	0.57	0.51
INCAN3	SMOCZ06	CON	2_LT_CFL20s	2	1	0.07	0.51
INCAN3	SMOCZ06	CON	3_LT_CFL20p	3	1	0.36	0.51
INCAN3	WRHCZ06	CON	1_LT_INC75	1	1	0.25	0.06
INCAN3	WRHCZ06	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ06	CON	3_LT_CFL20p	3	1	0.57	0.06
INCAN2	COLCZ06	CON	1_LT_INC60	1	1	0.48	0.59
INCAN2	COLCZ06	CON	2_LT_CFL15s	2	1	0.36	0.59
INCAN2	COLCZ06	CON	3_LT_CFL15p	3	1	0.16	0.59
INCAN2	GRCCZ06	CON	1_LT_INC60	1	1	0.67	0.45
INCAN2	GRCCZ06	CON	2_LT_CFL15s	2	1	0.21	0.45
INCAN2	GRCCZ06	CON	3_LT_CFL15p	3	1	0.12	0.45
INCAN2	HLTCZ06	CON	1_LT_INC60	1	1	0.39	1.81
INCAN2	HLTCZ06	CON	2_LT_CFL15s	2	1	0.34	1.81
INCAN2	HLTCZ06	CON	3_LT_CFL15p	3	1	0.27	1.81
INCAN2	LDGCZ06	CON	1_LT_INC60	1	1	0.42	4.61
INCAN2	LDGCZ06	CON	2_LT_CFL15s	2	1	0.39	4.61
INCAN2	LDGCZ06	CON	3_LT_CFL15p	3	1	0.19	4.61
INCAN2	LGOCZ06	CON	1_LT_INC60	1	1	0.34	0.4
INCAN2	LGOCZ06	CON	2_LT_CFL15s	2	1	0.23	0.4
INCAN2	LGOCZ06	CON	3_LT_CFL15p	3	1	0.42	0.4
INCAN2	MSCCZ06	CON	1_LT_INC60	1	1	0.86	0.16
INCAN2	MSCCZ06	CON	2_LT_CFL15s	2	1	0.02	0.16
INCAN2	MSCCZ06	CON	3_LT_CFL15p	3	1	0.12	0.16



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ06	CON	1_LT_INC60	1	1	0	0.01
INCAN2	REFCZ06	CON	2_LT_CFL15s	2	1	0.65	0.01
INCAN2	REFCZ06	CON	3_LT_CFL15p	3	1	0.35	0.01
INCAN2	RETCZ06	CON	1_LT_INC60	1	1	0.55	0.28
INCAN2	RETCZ06	CON	2_LT_CFL15s	2	1	0.37	0.28
INCAN2	RETCZ06	CON	3_LT_CFL15p	3	1	0.08	0.28
INCAN2	RSTCZ06	CON	1_LT_INC60	1	1	0.62	2.75
INCAN2	RSTCZ06	CON	2_LT_CFL15s	2	1	0.29	2.75
INCAN2	RSTCZ06	CON	3_LT_CFL15p	3	1	0.09	2.75
INCAN2	SCHCZ06	CON	1_LT_INC60	1	1	0.43	0.3
INCAN2	SCHCZ06	CON	2_LT_CFL15s	2	1	0.15	0.3
INCAN2	SCHCZ06	CON	3_LT_CFL15p	3	1	0.41	0.3
INCAN2	SMOCZ06	CON	1_LT_INC60	1	1	0.57	1.15
INCAN2	SMOCZ06	CON	2_LT_CFL15s	2	1	0.28	1.15
INCAN2	SMOCZ06	CON	3_LT_CFL15p	3	1	0.15	1.15
INCAN2	WRHCZ06	CON	1_LT_INC60	1	1	0.86	0.04
INCAN2	WRHCZ06	CON	2_LT_CFL15s	2	1	0.12	0.04
INCAN2	WRHCZ06	CON	3_LT_CFL15p	3	1	0.03	0.04
INCAN1	COLCZ06	CON	1_LT_INC40	1	1	1	0.03
INCAN1	COLCZ06	CON	2_LT_CFL10_5s	2	1	0	0.03
INCAN1	COLCZ06	CON	3_LT_CFL10_5p	3	1	0	0.03
INCAN1	GRCCZ06	CON	1_LT_INC40	1	1	1	0.05
INCAN1	GRCCZ06	CON	2_LT_CFL10_5s	2	1	0	0.05
INCAN1	GRCCZ06	CON	3_LT_CFL10_5p	3	1	0	0.05
INCAN1	HLTCZ06	CON	1_LT_INC40	1	1	0.77	0.4
INCAN1	HLTCZ06	CON	2_LT_CFL10_5s	2	1	0	0.4
INCAN1	HLTCZ06	CON	3_LT_CFL10_5p	3	1	0.23	0.4
INCAN1	LDGCZ06	CON	1_LT_INC40	1	1	0.6	2.92
INCAN1	LDGCZ06	CON	2_LT_CFL10_5s	2	1	0.14	2.92
INCAN1	LDGCZ06	CON	3_LT_CFL10_5p	3	1	0.26	2.92
INCAN1	LGOCZ06	CON	1_LT_INC40	1	1	0.21	0.08
INCAN1	LGOCZ06	CON	2_LT_CFL10_5s	2	1	0.52	0.08
INCAN1	LGOCZ06	CON	3_LT_CFL10_5p	3	1	0.27	0.08
INCAN1	MSCCZ06	CON	1_LT_INC40	1	1	0.8	0.04
INCAN1	MSCCZ06	CON	2_LT_CFL10_5s	2	1	0.09	0.04

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ06	CON	3_LT_CFL10_5p	3	1	0.11	0.04
INCAN1	REFCZ06	CON	1_LT_INC40	1	1	0	0
INCAN1	REFCZ06	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	REFCZ06	CON	3_LT_CFL10_5p	3	1	0	0
INCAN1	RETCZ06	CON	1_LT_INC40	1	1	0.98	0.09
INCAN1	RETCZ06	CON	2_LT_CFL10_5s	2	1	0.02	0.09
INCAN1	RETCZ06	CON	3_LT_CFL10_5p	3	1	0	0.09
INCAN1	RSTCZ06	CON	1_LT_INC40	1	1	0.73	1.25
INCAN1	RSTCZ06	CON	2_LT_CFL10_5s	2	1	0.27	1.25
INCAN1	RSTCZ06	CON	3_LT_CFL10_5p	3	1	0	1.25
INCAN1	SCHCZ06	CON	1_LT_INC40	1	1	1	0.01
INCAN1	SCHCZ06	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	SCHCZ06	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	SMOCZ06	CON	1_LT_INC40	1	1	1	0.18
INCAN1	SMOCZ06	CON	2_LT_CFL10_5s	2	1	0	0.18
INCAN1	SMOCZ06	CON	3_LT_CFL10_5p	3	1	0	0.18
INCAN1	WRHCZ06	CON	1_LT_INC40	1	1	1	0
INCAN1	WRHCZ06	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	WRHCZ06	CON	3_LT_CFL10_5p	3	1	0	0
HID6	COLCZ06	CON	1_LT_MH400	1	1	0	1.25
HID6	COLCZ06	CON	2_LT_PS320	2	1	0	1.25
HID6	COLCZ06	CON	3_LT_HIDT5HO	3	1	0	1.25
HID6	GRCCZ06	CON	1_LT_MH400	1	1	0	2.28
HID6	GRCCZ06	CON	2_LT_PS320	2	1	0	2.28
HID6	GRCCZ06	CON	3_LT_HIDT5HO	3	1	0	2.28
HID6	HLTCZ06	CON	1_LT_MH400	1	1	0	1.36
HID6	HLTCZ06	CON	2_LT_PS320	2	1	0	1.36
HID6	HLTCZ06	CON	3_LT_HIDT5HO	3	1	0	1.36
HID6	LDGCZ06	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ06	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ06	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ06	CON	1_LT_MH400	1	1	0.04	0.09
HID6	LGOCZ06	CON	2_LT_PS320	2	1	0	0.09
HID6	LGOCZ06	CON	3_LT_HIDT5HO	3	1	0	0.09
HID6	MSCCZ06	CON	1_LT_MH400	1	1	0.01	1.84

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ06	CON	2_LT_PS320	2	1	0	1.84
HID6	MSCCZ06	CON	3_LT_HIDT5HO	3	1	0	1.84
HID6	REFCZ06	CON	1_LT_MH400	1	1	0.06	10.98
HID6	REFCZ06	CON	2_LT_PS320	2	1	0	10.98
HID6	REFCZ06	CON	3_LT_HIDT5HO	3	1	0	10.98
HID6	RETCZ06	CON	1_LT_MH400	1	1	0.06	3.05
HID6	RETCZ06	CON	2_LT_PS320	2	1	0	3.05
HID6	RETCZ06	CON	3_LT_HIDT5HO	3	1	0	3.05
HID6	RSTCZ06	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ06	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ06	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ06	CON	1_LT_MH400	1	1	0.01	2.36
HID6	SCHCZ06	CON	2_LT_PS320	2	1	0	2.36
HID6	SCHCZ06	CON	3_LT_HIDT5HO	3	1	0	2.36
HID6	SMOCZ06	CON	1_LT_MH400	1	1	0	0
HID6	SMOCZ06	CON	2_LT_PS320	2	1	0	0
HID6	SMOCZ06	CON	3_LT_HIDT5HO	3	1	0	0
HID6	WRHCZ06	CON	1_LT_MH400	1	1	0.28	1.09
HID6	WRHCZ06	CON	2_LT_PS320	2	1	0	1.09
HID6	WRHCZ06	CON	3_LT_HIDT5HO	3	1	0	1.09
HID4MV	COLCZ06	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ06	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ06	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ06	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ06	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ06	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ06	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ06	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ06	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ06	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ06	CON	1_LT_MV400	1	1	0	3.63
HID4MV	MSCCZ06	CON	2_LT_MH250mv	2	1	0	3.63
HID4MV	REFCZ06	CON	1_LT_MV400	1	1	0	0
HID4MV	REFCZ06	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RETCZ06	CON	1_LT_MV400	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ06	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ06	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ06	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ06	CON	1_LT_MV400	1	1	0.01	2.08
HID4MV	SCHCZ06	CON	2_LT_MH250mv	2	1	0	2.08
HID4MV	SMOCZ06	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ06	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ06	CON	1_LT_MV400	1	1	0	18.68
HID4MV	WRHCZ06	CON	2_LT_MH250mv	2	1	0.01	18.68
HID4I	COLCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ06	CON	2_LT_MH250i	2	1	0.02	0.58
HID4I	GRCCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ06	CON	2_LT_MH250i	2	1	0.11	0.15
HID4I	HLTCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ06	CON	2_LT_MH250i	2	1	0	0
HID4I	LDGCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ06	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ06	CON	2_LT_MH250i	2	1	0.05	0.02
HID4I	MSCCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ06	CON	2_LT_MH250i	2	1	0	0.85
HID4I	REFCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ06	CON	2_LT_MH250i	2	1	0.03	4.37
HID4I	RETCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ06	CON	2_LT_MH250i	2	1	0.02	0.63
HID4I	RSTCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ06	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ06	CON	2_LT_MH250i	2	1	0	1.48
HID4I	SMOCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ06	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ06	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ06	CON	2_LT_MH250i	2	1	0.1	0.65
HID3MV	COLCZ06	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ06	CON	2_LT_MH175mv	2	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ06	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ06	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ06	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ06	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ06	CON	1_LT_MV250	1	1	0	0.17
HID3MV	LDGCZ06	CON	2_LT_MH175mv	2	1	0	0.17
HID3MV	LGOCZ06	CON	1_LT_MV250	1	1	0	0
HID3MV	LGOCZ06	CON	2_LT_MH175mv	2	1	0	0
HID3MV	MSCCZ06	CON	1_LT_MV250	1	1	0	0
HID3MV	MSCCZ06	CON	2_LT_MH175mv	2	1	0	0
HID3MV	REFCZ06	CON	1_LT_MV250	1	1	0.01	7.84
HID3MV	REFCZ06	CON	2_LT_MH175mv	2	1	0	7.84
HID3MV	RETCZ06	CON	1_LT_MV250	1	1	0.01	1.28
HID3MV	RETCZ06	CON	2_LT_MH175mv	2	1	0.01	1.28
HID3MV	RSTCZ06	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ06	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ06	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ06	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ06	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ06	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ06	CON	1_LT_MV250	1	1	0.02	0.25
HID3MV	WRHCZ06	CON	2_LT_MH175mv	2	1	0	0.25
HID3I	COLCZ06	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ06	CON	2_LT_MH175i	2	1	0	1.41
HID3I	GRCCZ06	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ06	CON	2_LT_MH175i	2	1	0	0
HID3I	HLTCZ06	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ06	CON	2_LT_MH175i	2	1	0	1.69
HID3I	LDGCZ06	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ06	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ06	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ06	CON	2_LT_MH175i	2	1	0.01	0.95
HID3I	MSCCZ06	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ06	CON	2_LT_MH175i	2	1	0.01	0.31
HID3I	REFCZ06	CON	1_LT_INC500i	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ06	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ06	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ06	CON	2_LT_MH175i	2	1	0.01	2.17
HID3I	RSTCZ06	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ06	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ06	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ06	CON	2_LT_MH175i	2	1	0.03	2.53
HID3I	SMOCZ06	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ06	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ06	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ06	CON	2_LT_MH175i	2	1	0.04	0.29
HID2MV	COLCZ06	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ06	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ06	CON	1_LT_MV175	1	1	0.01	4.55
HID2MV	GRCCZ06	CON	2_LT_MH100mv	2	1	0	4.55
HID2MV	HLTCZ06	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ06	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ06	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ06	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ06	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ06	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ06	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ06	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ06	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ06	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ06	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ06	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ06	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ06	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ06	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ06	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ06	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ06	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ06	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ06	CON	2_LT_MH100mv	2	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ06	CON	1_LT_INC300	1	1	0.02	4.17
HID2I	COLCZ06	CON	2_LT_MH100i	2	1	0	4.17
HID2I	GRCCZ06	CON	1_LT_INC300	1	1	0.03	4.52
HID2I	GRCCZ06	CON	2_LT_MH100i	2	1	0.01	4.52
HID2I	HLTCZ06	CON	1_LT_INC300	1	1	0	1.23
HID2I	HLTCZ06	CON	2_LT_MH100i	2	1	0	1.23
HID2I	LDGCZ06	CON	1_LT_INC300	1	1	0.04	2.49
HID2I	LDGCZ06	CON	2_LT_MH100i	2	1	0	2.49
HID2I	LGOCZ06	CON	1_LT_INC300	1	1	0	2.24
HID2I	LGOCZ06	CON	2_LT_MH100i	2	1	0	2.24
HID2I	MSCCZ06	CON	1_LT_INC300	1	1	0	2.06
HID2I	MSCCZ06	CON	2_LT_MH100i	2	1	0	2.06
HID2I	REFCZ06	CON	1_LT_INC300	1	1	0	0
HID2I	REFCZ06	CON	2_LT_MH100i	2	1	0	0
HID2I	RETCZ06	CON	1_LT_INC300	1	1	0.02	17.39
HID2I	RETCZ06	CON	2_LT_MH100i	2	1	0	17.39
HID2I	RSTCZ06	CON	1_LT_INC300	1	1	0	14.81
HID2I	RSTCZ06	CON	2_LT_MH100i	2	1	0	14.81
HID2I	SCHCZ06	CON	1_LT_INC300	1	1	0.01	2.88
HID2I	SCHCZ06	CON	2_LT_MH100i	2	1	0	2.88
HID2I	SMOCZ06	CON	1_LT_INC300	1	1	0	1.47
HID2I	SMOCZ06	CON	2_LT_MH100i	2	1	0.02	1.47
HID2I	WRHCZ06	CON	1_LT_INC300	1	1	0	0
HID2I	WRHCZ06	CON	2_LT_MH100i	2	1	0	0
HID1MV	COLCZ06	CON	1_LT_MV100	1	1	0	0.38
HID1MV	COLCZ06	CON	2_LT_MH70mv	2	1	0	0.38
HID1MV	GRCCZ06	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ06	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ06	CON	1_LT_MV100	1	1	0	5.42
HID1MV	HLTCZ06	CON	2_LT_MH70mv	2	1	0	5.42
HID1MV	LDGCZ06	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ06	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ06	CON	1_LT_MV100	1	1	0	0
HID1MV	LGOCZ06	CON	2_LT_MH70mv	2	1	0	0
HID1MV	MSCCZ06	CON	1_LT_MV100	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ06	CON	2_LT_MH70mv	2	1	0	0
HID1MV	REFCZ06	CON	1_LT_MV100	1	1	0	0
HID1MV	REFCZ06	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RETCZ06	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ06	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ06	CON	1_LT_MV100	1	1	0	0
HID1MV	RSTCZ06	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SCHCZ06	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ06	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ06	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ06	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ06	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ06	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ06	CON	1_LT_INC200	1	1	0	5.63
HID1I	COLCZ06	CON	2_LT_MH70i	2	1	0	5.63
HID1I	GRCCZ06	CON	1_LT_INC200	1	1	0.01	6.05
HID1I	GRCCZ06	CON	2_LT_MH70i	2	1	0	6.05
HID1I	HLTCZ06	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ06	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ06	CON	1_LT_INC200	1	1	0	239.48
HID1I	LDGCZ06	CON	2_LT_MH70i	2	1	0	239.48
HID1I	LGOCZ06	CON	1_LT_INC200	1	1	0.01	1.66
HID1I	LGOCZ06	CON	2_LT_MH70i	2	1	0	1.66
HID1I	MSCCZ06	CON	1_LT_INC200	1	1	0	143.65
HID1I	MSCCZ06	CON	2_LT_MH70i	2	1	0	143.65
HID1I	REFCZ06	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ06	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ06	CON	1_LT_INC200	1	1	0.01	58.59
HID1I	RETCZ06	CON	2_LT_MH70i	2	1	0	58.59
HID1I	RSTCZ06	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ06	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ06	CON	1_LT_INC200	1	1	0	5.35
HID1I	SCHCZ06	CON	2_LT_MH70i	2	1	0	5.35
HID1I	SMOCZ06	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ06	CON	2_LT_MH70i	2	1	0	0



SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ06	CON	1_LT_INC200	1	1	0	4.02
HID1I	WRHCZ06	CON	2_LT_MH70i	2	1	0	4.02
HID13MV	COLCZ06	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ06	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ06	CON	1_LT_EXMV400	1	1	1	0
HID13MV	GRCCZ06	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	HLTCZ06	CON	1_LT_EXMV400	1	1	1	0.08
HID13MV	HLTCZ06	CON	2_LT_EXPS250mv	2	1	0	0.08
HID13MV	LDGCZ06	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ06	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ06	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ06	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ06	CON	1_LT_EXMV400	1	1	1	0
HID13MV	MSCCZ06	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	REFCZ06	CON	1_LT_EXMV400	1	1	1	0
HID13MV	REFCZ06	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RETCZ06	CON	1_LT_EXMV400	1	1	1	0
HID13MV	RETCZ06	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RSTCZ06	CON	1_LT_EXMV400	1	1	1	0.02
HID13MV	RSTCZ06	CON	2_LT_EXPS250mv	2	1	0	0.02
HID13MV	SCHCZ06	CON	1_LT_EXMV400	1	1	1	0
HID13MV	SCHCZ06	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ06	CON	1_LT_EXMV400	1	1	1	0.21
HID13MV	SMOCZ06	CON	2_LT_EXPS250mv	2	1	0	0.21
HID13MV	WRHCZ06	CON	1_LT_EXMV400	1	1	1	0
HID13MV	WRHCZ06	CON	2_LT_EXPS250mv	2	1	0	0
HID13I	COLCZ06	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ06	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ06	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ06	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ06	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ06	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ06	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ06	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ06	CON	1_LT_EXINC700	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ06	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ06	CON	1_LT_EXINC700	1	1	0	0
HID13I	MSCCZ06	CON	2_LT_EXPS250i	2	1	1	0
HID13I	REFCZ06	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ06	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ06	CON	1_LT_EXINC700	1	1	0	0
HID13I	RETCZ06	CON	2_LT_EXPS250i	2	1	1	0
HID13I	RSTCZ06	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RSTCZ06	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	SCHCZ06	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ06	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ06	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ06	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ06	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ06	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ06	CON	1_LT_EXMV250	1	1	0	0
HID12MV	COLCZ06	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ06	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	GRCCZ06	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	HLTCZ06	CON	1_LT_EXMV250	1	1	1	0
HID12MV	HLTCZ06	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ06	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LDGCZ06	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ06	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	LGOCZ06	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	MSCCZ06	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	MSCCZ06	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	REFCZ06	CON	1_LT_EXMV250	1	1	1	0.02
HID12MV	REFCZ06	CON	2_LT_EXPS175mv	2	1	0	0.02
HID12MV	RETCZ06	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ06	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ06	CON	1_LT_EXMV250	1	1	1	0
HID12MV	RSTCZ06	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ06	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	SCHCZ06	CON	2_LT_EXPS175mv	2	1	0	0.01

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ06	CON	1_LT_EXMV250	1	1	1	0
HID12MV	SMOCZ06	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ06	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ06	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ06	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	GRCCZ06	CON	2_LT_EXPS175i	2	1	0	0
HID12I	HLTCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ06	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ06	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ06	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ06	CON	2_LT_EXPS175i	2	1	1	0
HID12I	REFCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ06	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ06	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ06	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ06	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ06	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ06	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ06	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ06	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ06	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ06	CON	1_LT_EXMV175	1	1	1	0.03
HID11MV	GRCCZ06	CON	2_LT_EXMH100mv	2	1	0	0.03
HID11MV	HLTCZ06	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	HLTCZ06	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	LDGCZ06	CON	1_LT_EXMV175	1	1	1	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ06	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ06	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	LGOCZ06	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	MSCCZ06	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	MSCCZ06	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	REFCZ06	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ06	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ06	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	RETCZ06	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	RSTCZ06	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	RSTCZ06	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	SCHCZ06	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	SCHCZ06	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	SMOCZ06	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	SMOCZ06	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	WRHCZ06	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	WRHCZ06	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11I	COLCZ06	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	COLCZ06	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	GRCCZ06	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	GRCCZ06	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	HLTCZ06	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	HLTCZ06	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	LDGCZ06	CON	1_LT_EXINC300	1	1	0.05	0.08
HID11I	LDGCZ06	CON	2_LT_EXMH100i	2	1	0.95	0.08
HID11I	LGOCZ06	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	LGOCZ06	CON	2_LT_EXMH100i	2	1	1	0.02
HID11I	MSCCZ06	CON	1_LT_EXINC300	1	1	0.02	0.02
HID11I	MSCCZ06	CON	2_LT_EXMH100i	2	1	0.98	0.02
HID11I	REFCZ06	CON	1_LT_EXINC300	1	1	0	0
HID11I	REFCZ06	CON	2_LT_EXMH100i	2	1	1	0
HID11I	RETCZ06	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ06	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ06	CON	1_LT_EXINC300	1	1	0	0.43
HID11I	RSTCZ06	CON	2_LT_EXMH100i	2	1	1	0.43

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ06	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	SCHCZ06	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	SMOCZ06	CON	1_LT_EXINC300	1	1	0.47	0.2
HID11I	SMOCZ06	CON	2_LT_EXMH100i	2	1	0.53	0.2
HID11I	WRHCZ06	CON	1_LT_EXINC300	1	1	0.53	0
HID11I	WRHCZ06	CON	2_LT_EXMH100i	2	1	0.47	0
FLUOR4A	COLCZ06	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	COLCZ06	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	GRCCZ06	CON	1_LT_8T12	1	1	0.58	2.68
FLUOR4A	GRCCZ06	CON	2_LT_8T82ndG	2	1	0.42	2.68
FLUOR4A	HLTCZ06	CON	1_LT_8T12	1	1	1	0.1
FLUOR4A	HLTCZ06	CON	2_LT_8T82ndG	2	1	0	0.1
FLUOR4A	LDGCZ06	CON	1_LT_8T12	1	1	0.97	0.03
FLUOR4A	LDGCZ06	CON	2_LT_8T82ndG	2	1	0.03	0.03
FLUOR4A	LGOCZ06	CON	1_LT_8T12	1	1	0.58	0.11
FLUOR4A	LGOCZ06	CON	2_LT_8T82ndG	2	1	0.42	0.11
FLUOR4A	MSCCZ06	CON	1_LT_8T12	1	1	1	1.38
FLUOR4A	MSCCZ06	CON	2_LT_8T82ndG	2	1	0	1.38
FLUOR4A	REFCZ06	CON	1_LT_8T12	1	1	1	0.39
FLUOR4A	REFCZ06	CON	2_LT_8T82ndG	2	1	0	0.39
FLUOR4A	RETCZ06	CON	1_LT_8T12	1	1	0.84	1.57
FLUOR4A	RETCZ06	CON	2_LT_8T82ndG	2	1	0.16	1.57
FLUOR4A	RSTCZ06	CON	1_LT_8T12	1	1	1	0.47
FLUOR4A	RSTCZ06	CON	2_LT_8T82ndG	2	1	0	0.47
FLUOR4A	SCHCZ06	CON	1_LT_8T12	1	1	0.61	0.43
FLUOR4A	SCHCZ06	CON	2_LT_8T82ndG	2	1	0.39	0.43
FLUOR4A	SMOCZ06	CON	1_LT_8T12	1	1	0.89	0.12
FLUOR4A	SMOCZ06	CON	2_LT_8T82ndG	2	1	0.11	0.12
FLUOR4A	WRHCZ06	CON	1_LT_8T12	1	1	0.95	0.95
FLUOR4A	WRHCZ06	CON	2_LT_8T82ndG	2	1	0.05	0.95
FLUOR1A	COLCZ06	CON	1_LT_4T12	1	1	0.18	8.7
FLUOR1A	COLCZ06	CON	2_LT_4T8_5	2	1	0.82	8.7
FLUOR1A	GRCCZ06	CON	1_LT_4T12	1	1	0.24	5.91
FLUOR1A	GRCCZ06	CON	2_LT_4T8_5	2	1	0.76	5.91
FLUOR1A	HLTCZ06	CON	1_LT_4T12	1	1	0.21	7.61

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ06	CON	2_LT_4T8_5	2	1	0.79	7.61
FLUOR1A	LDGCZ06	CON	1_LT_4T12	1	1	0.44	2.59
FLUOR1A	LDGCZ06	CON	2_LT_4T8_5	2	1	0.56	2.59
FLUOR1A	LGOCZ06	CON	1_LT_4T12	1	1	0.05	6.96
FLUOR1A	LGOCZ06	CON	2_LT_4T8_5	2	1	0.95	6.96
FLUOR1A	MSCCZ06	CON	1_LT_4T12	1	1	0.8	1.7
FLUOR1A	MSCCZ06	CON	2_LT_4T8_5	2	1	0.2	1.7
FLUOR1A	REFCZ06	CON	1_LT_4T12	1	1	0.28	0.86
FLUOR1A	REFCZ06	CON	2_LT_4T8_5	2	1	0.72	0.86
FLUOR1A	RETCZ06	CON	1_LT_4T12	1	1	0.28	4.68
FLUOR1A	RETCZ06	CON	2_LT_4T8_5	2	1	0.72	4.68
FLUOR1A	RSTCZ06	CON	1_LT_4T12	1	1	0.65	3.47
FLUOR1A	RSTCZ06	CON	2_LT_4T8_5	2	1	0.35	3.47
FLUOR1A	SCHCZ06	CON	1_LT_4T12	1	1	0.23	7.61
FLUOR1A	SCHCZ06	CON	2_LT_4T8_5	2	1	0.77	7.61
FLUOR1A	SMOCZ06	CON	1_LT_4T12	1	1	0.71	4.75
FLUOR1A	SMOCZ06	CON	2_LT_4T8_5	2	1	0.29	4.75
FLUOR1A	WRHCZ06	CON	1_LT_4T12	1	1	0.37	1.12
FLUOR1A	WRHCZ06	CON	2_LT_4T8_5	2	1	0.63	1.12
EXIT1	COLCZ06	RET	2_LT_EXLED	1	1	0.82	0.43
EXIT1	GRCCZ06	RET	2_LT_EXLED	1	1	0.32	0.36
EXIT1	HLTCZ06	RET	2_LT_EXLED	1	1	0.77	0.46
EXIT1	LDGCZ06	RET	2_LT_EXLED	1	1	0.19	0.4
EXIT1	LGOCZ06	RET	2_LT_EXLED	1	1	0.57	0.62
EXIT1	MSCCZ06	RET	2_LT_EXLED	1	1	0.4	0.52
EXIT1	REFCZ06	RET	2_LT_EXLED	1	1	0.21	0.05
EXIT1	RETCZ06	RET	2_LT_EXLED	1	1	0.25	0.32
EXIT1	RSTCZ06	RET	2_LT_EXLED	1	1	0.24	0.74
EXIT1	SCHCZ06	RET	2_LT_EXLED	1	1	0.48	0.46
EXIT1	SMOCZ06	RET	2_LT_EXLED	1	1	0.68	0.88
EXIT1	WRHCZ06	RET	2_LT_EXLED	1	1	0.54	0.17
DL1	COLCZ06	RET	2_LT_DLInst	1	0	0	0
DL1	GRCCZ06	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ06	RET	2_LT_DLInst	1	0	0	0
DL1	LDGCZ06	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ06	RET	2_LT_DLInst	1	0.12	0	25.59
DL1	MSCCZ06	RET	2_LT_DLInst	1	0	0	9.07
DL1	REFCZ06	RET	2_LT_DLInst	1	0	0	0
DL1	RETCZ06	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ06	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ06	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ06	RET	2_LT_DLInst	1	0.02	0	29.39
DL1	WRHCZ06	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ08	RET	2_LT_RFLCSpec8	1	0	0	4.62
RFLC2	GRCCZ08	RET	2_LT_RFLCSpec8	1	0	0	0.97
RFLC2	HLTCZ08	RET	2_LT_RFLCSpec8	1	0	0	5.91
RFLC2	LDGCZ08	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ08	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ08	RET	2_LT_RFLCSpec8	1	0.01	0	3.6
RFLC2	REFCZ08	RET	2_LT_RFLCSpec8	1	0.02	0	1.64
RFLC2	RETCZ08	RET	2_LT_RFLCSpec8	1	0.05	0	2.82
RFLC2	RSTCZ08	RET	2_LT_RFLCSpec8	1	0	0	5
RFLC2	SCHCZ08	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	SMOCZ08	RET	2_LT_RFLCSpec8	1	0	0	3.87
RFLC2	WRHCZ08	RET	2_LT_RFLCSpec8	1	0.02	0	1.1
RFLC1	COLCZ08	RET	2_LT_RFLCSpec4	1	0.44	0	10.61
RFLC1	GRCCZ08	RET	2_LT_RFLCSpec4	1	0.34	0.02	5.85
RFLC1	HLTCZ08	RET	2_LT_RFLCSpec4	1	0.27	0.03	9
RFLC1	LDGCZ08	RET	2_LT_RFLCSpec4	1	0.07	0	2.85
RFLC1	LGOCZ08	RET	2_LT_RFLCSpec4	1	0.49	0.09	10.53
RFLC1	MSCCZ08	RET	2_LT_RFLCSpec4	1	0.13	0	9.68
RFLC1	REFCZ08	RET	2_LT_RFLCSpec4	1	0.32	0.01	4.62
RFLC1	RETCZ08	RET	2_LT_RFLCSpec4	1	0.32	0	8.33
RFLC1	RSTCZ08	RET	2_LT_RFLCSpec4	1	0.24	0	10.23
RFLC1	SCHCZ08	RET	2_LT_RFLCSpec4	1	0.29	0.06	13.07
RFLC1	SMOCZ08	RET	2_LT_RFLCSpec4	1	0.5	0	11.56
RFLC1	WRHCZ08	RET	2_LT_RFLCSpec4	1	0.18	0.01	5.8
PC1	COLCZ08	CON	1_LT_PCNoCtrl	1	1	0	0.58
PC1	COLCZ08	CON	2_LT_PCPC	2	1	0.76	0.58
PC1	COLCZ08	CON	3_LT_PCTC	3	1	0.08	0.58
PC1	COLCZ08	CON	4_LT_PCPT	4	1	0.02	0.58
PC1	GRCCZ08	CON	1_LT_PCNoCtrl	1	1	0	1.39
PC1	GRCCZ08	CON	2_LT_PCPC	2	1	0.38	1.39
PC1	GRCCZ08	CON	3_LT_PCTC	3	1	0.23	1.39
PC1	GRCCZ08	CON	4_LT_PCPT	4	1	0.05	1.39
PC1	HLTCZ08	CON	1_LT_PCNoCtrl	1	1	0.01	0.36
PC1	HLTCZ08	CON	2_LT_PCPC	2	1	0.59	0.36
PC1	HLTCZ08	CON	3_LT_PCTC	3	1	0.23	0.36



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ08	CON	4_LT_PCPT	4	1	0.03	0.36
PC1	LDGCZ08	CON	1_LT_PCNoCtrl	1	1	0	0.41
PC1	LDGCZ08	CON	2_LT_PCPC	2	1	0.5	0.41
PC1	LDGCZ08	CON	3_LT_PCTC	3	1	0.42	0.41
PC1	LDGCZ08	CON	4_LT_PCPT	4	1	0.07	0.41
PC1	LGOCZ08	CON	1_LT_PCNoCtrl	1	1	0.05	0.39
PC1	LGOCZ08	CON	2_LT_PCPC	2	1	0.29	0.39
PC1	LGOCZ08	CON	3_LT_PCTC	3	1	0.48	0.39
PC1	LGOCZ08	CON	4_LT_PCPT	4	1	0.09	0.39
PC1	MSCCZ08	CON	1_LT_PCNoCtrl	1	1	0	0.75
PC1	MSCCZ08	CON	2_LT_PCPC	2	1	0.1	0.75
PC1	MSCCZ08	CON	3_LT_PCTC	3	1	0.43	0.75
PC1	MSCCZ08	CON	4_LT_PCPT	4	1	0.01	0.75
PC1	REFCZ08	CON	1_LT_PCNoCtrl	1	1	0	0.21
PC1	REFCZ08	CON	2_LT_PCPC	2	1	0.49	0.21
PC1	REFCZ08	CON	3_LT_PCTC	3	1	0.23	0.21
PC1	REFCZ08	CON	4_LT_PCPT	4	1	0.09	0.21
PC1	RETCZ08	CON	1_LT_PCNoCtrl	1	1	0	1
PC1	RETCZ08	CON	2_LT_PCPC	2	1	0.22	1
PC1	RETCZ08	CON	3_LT_PCTC	3	1	0.42	1
PC1	RETCZ08	CON	4_LT_PCPT	4	1	0.05	1
PC1	RSTCZ08	CON	1_LT_PCNoCtrl	1	1	0	1.84
PC1	RSTCZ08	CON	2_LT_PCPC	2	1	0.32	1.84
PC1	RSTCZ08	CON	3_LT_PCTC	3	1	0.34	1.84
PC1	RSTCZ08	CON	4_LT_PCPT	4	1	0.02	1.84
PC1	SCHCZ08	CON	1_LT_PCNoCtrl	1	1	0.01	0.41
PC1	SCHCZ08	CON	2_LT_PCPC	2	1	0.42	0.41
PC1	SCHCZ08	CON	3_LT_PCTC	3	1	0.34	0.41
PC1	SCHCZ08	CON	4_LT_PCPT	4	1	0.2	0.41
PC1	SMOCZ08	CON	1_LT_PCNoCtrl	1	1	0	1.9
PC1	SMOCZ08	CON	2_LT_PCPC	2	1	0.17	1.9
PC1	SMOCZ08	CON	3_LT_PCTC	3	1	0.32	1.9
PC1	SMOCZ08	CON	4_LT_PCPT	4	1	0.02	1.9
PC1	WRHCZ08	CON	1_LT_PCNoCtrl	1	1	0	0.13
PC1	WRHCZ08	CON	2_LT_PCPC	2	1	0.53	0.13

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ08	CON	3_LT_PCTC	3	1	0.31	0.13
PC1	WRHCZ08	CON	4_LT_PCPT	4	1	0.11	0.13
OCC2	COLCZ08	RET	2_LT_OCCPCDInst	1	0.67	0	3.65
OCC2	GRCCZ08	RET	2_LT_OCCPCDInst	1	0.43	0	0.57
OCC2	HLTCZ08	RET	2_LT_OCCPCDInst	1	0.46	0	2.86
OCC2	LDGCZ08	RET	2_LT_OCCPCDInst	1	0.22	0	2.88
OCC2	LGOCZ08	RET	2_LT_OCCPCDInst	1	0.79	0	3.78
OCC2	MSCCZ08	RET	2_LT_OCCPCDInst	1	0.7	0	1.16
OCC2	REFCZ08	RET	2_LT_OCCPCDInst	1	0.33	0	0.59
OCC2	RETCZ08	RET	2_LT_OCCPCDInst	1	0.43	0	1.15
OCC2	RSTCZ08	RET	2_LT_OCCPCDInst	1	0.24	0	0.85
OCC2	SCHCZ08	RET	2_LT_OCCPCDInst	1	0.7	0	3.4
OCC2	SMOCZ08	RET	2_LT_OCCPCDInst	1	0.8	0	3.92
OCC2	WRHCZ08	RET	2_LT_OCCPCDInst	1	0.38	0	1.13
OCC1	COLCZ08	RET	2_LT_OCCMS	1	0.6	0.04	2.55
OCC1	GRCCZ08	RET	2_LT_OCCMS	1	0.1	0	1.83
OCC1	HLTCZ08	RET	2_LT_OCCMS	1	0.18	0.01	2.02
OCC1	LDGCZ08	RET	2_LT_OCCMS	1	0.03	0	1.73
OCC1	LGOCZ08	RET	2_LT_OCCMS	1	0.52	0.08	2.17
OCC1	MSCCZ08	RET	2_LT_OCCMS	1	0.1	0	2.16
OCC1	REFCZ08	RET	2_LT_OCCMS	1	0.3	0	1.03
OCC1	RETCZ08	RET	2_LT_OCCMS	1	0.25	0.01	1.49
OCC1	RSTCZ08	RET	2_LT_OCCMS	1	0.05	0	1.84
OCC1	SCHCZ08	RET	2_LT_OCCMS	1	0.68	0.11	2.74
OCC1	SMOCZ08	RET	2_LT_OCCMS	1	0.65	0	3.09
OCC1	WRHCZ08	RET	2_LT_OCCMS	1	0.6	0.01	0.97
INCAN6	COLCZ08	CON	1_LT_IRIP60	1	1	0.74	0.09
INCAN6	COLCZ08	CON	2_LT_CRCP14s	2	1	0.26	0.09
INCAN6	GRCCZ08	CON	1_LT_IRIP60	1	1	0.99	0.83
INCAN6	GRCCZ08	CON	2_LT_CRCP14s	2	1	0.01	0.83
INCAN6	HLTCZ08	CON	1_LT_IRIP60	1	1	0.85	0.46
INCAN6	HLTCZ08	CON	2_LT_CRCP14s	2	1	0.15	0.46
INCAN6	LDGCZ08	CON	1_LT_IRIP60	1	1	0.43	0.35
INCAN6	LDGCZ08	CON	2_LT_CRCP14s	2	1	0.57	0.35
INCAN6	LGOCZ08	CON	1_LT_IRIP60	1	1	0.87	0.08

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ08	CON	2_LT_CRCP14s	2	1	0.13	0.08
INCAN6	MSCCZ08	CON	1_LT_IRIP60	1	1	1	1.09
INCAN6	MSCCZ08	CON	2_LT_CRCP14s	2	1	0	1.09
INCAN6	REFCZ08	CON	1_LT_IRIP60	1	1	0.97	0.02
INCAN6	REFCZ08	CON	2_LT_CRCP14s	2	1	0.03	0.02
INCAN6	RETCZ08	CON	1_LT_IRIP60	1	1	0.99	2.16
INCAN6	RETCZ08	CON	2_LT_CRCP14s	2	1	0.01	2.16
INCAN6	RSTCZ08	CON	1_LT_IRIP60	1	1	0.94	1.43
INCAN6	RSTCZ08	CON	2_LT_CRCP14s	2	1	0.06	1.43
INCAN6	SCHCZ08	CON	1_LT_IRIP60	1	1	0.92	0.06
INCAN6	SCHCZ08	CON	2_LT_CRCP14s	2	1	0.08	0.06
INCAN6	SMOCZ08	CON	1_LT_IRIP60	1	1	0.94	0.62
INCAN6	SMOCZ08	CON	2_LT_CRCP14s	2	1	0.06	0.62
INCAN6	WRHCZ08	CON	1_LT_IRIP60	1	1	0.94	0.01
INCAN6	WRHCZ08	CON	2_LT_CRCP14s	2	1	0.06	0.01
INCAN5	COLCZ08	CON	1_LT_INC120	1	1	0	0.31
INCAN5	COLCZ08	CON	2_LT_CFL38s	2	1	0	0.31
INCAN5	COLCZ08	CON	3_LT_CFL38p	3	1	1	0.31
INCAN5	GRCCZ08	CON	1_LT_INC120	1	1	1	0.11
INCAN5	GRCCZ08	CON	2_LT_CFL38s	2	1	0	0.11
INCAN5	GRCCZ08	CON	3_LT_CFL38p	3	1	0	0.11
INCAN5	HLTCZ08	CON	1_LT_INC120	1	1	0.04	0.92
INCAN5	HLTCZ08	CON	2_LT_CFL38s	2	1	0.3	0.92
INCAN5	HLTCZ08	CON	3_LT_CFL38p	3	1	0.66	0.92
INCAN5	LDGCZ08	CON	1_LT_INC120	1	1	0.4	1.8
INCAN5	LDGCZ08	CON	2_LT_CFL38s	2	1	0.39	1.8
INCAN5	LDGCZ08	CON	3_LT_CFL38p	3	1	0.21	1.8
INCAN5	LGOCZ08	CON	1_LT_INC120	1	1	0.07	0.1
INCAN5	LGOCZ08	CON	2_LT_CFL38s	2	1	0.36	0.1
INCAN5	LGOCZ08	CON	3_LT_CFL38p	3	1	0.57	0.1
INCAN5	MSCCZ08	CON	1_LT_INC120	1	1	0.97	1.54
INCAN5	MSCCZ08	CON	2_LT_CFL38s	2	1	0.03	1.54
INCAN5	MSCCZ08	CON	3_LT_CFL38p	3	1	0	1.54
INCAN5	REFCZ08	CON	1_LT_INC120	1	1	0	0
INCAN5	REFCZ08	CON	2_LT_CFL38s	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ08	CON	3_LT_CFL38p	3	1	0	0
INCAN5	RETCZ08	CON	1_LT_INC120	1	1	0.29	0.2
INCAN5	RETCZ08	CON	2_LT_CFL38s	2	1	0.71	0.2
INCAN5	RETCZ08	CON	3_LT_CFL38p	3	1	0	0.2
INCAN5	RSTCZ08	CON	1_LT_INC120	1	1	0.81	0.96
INCAN5	RSTCZ08	CON	2_LT_CFL38s	2	1	0.17	0.96
INCAN5	RSTCZ08	CON	3_LT_CFL38p	3	1	0.02	0.96
INCAN5	SCHCZ08	CON	1_LT_INC120	1	1	0.29	0.06
INCAN5	SCHCZ08	CON	2_LT_CFL38s	2	1	0.04	0.06
INCAN5	SCHCZ08	CON	3_LT_CFL38p	3	1	0.67	0.06
INCAN5	SMOCZ08	CON	1_LT_INC120	1	1	0.45	0.17
INCAN5	SMOCZ08	CON	2_LT_CFL38s	2	1	0.55	0.17
INCAN5	SMOCZ08	CON	3_LT_CFL38p	3	1	0	0.17
INCAN5	WRHCZ08	CON	1_LT_INC120	1	1	1	0.01
INCAN5	WRHCZ08	CON	2_LT_CFL38s	2	1	0	0.01
INCAN5	WRHCZ08	CON	3_LT_CFL38p	3	1	0	0.01
INCAN3	COLCZ08	CON	1_LT_INC75	1	1	0	0.21
INCAN3	COLCZ08	CON	2_LT_CFL20s	2	1	0.05	0.21
INCAN3	COLCZ08	CON	3_LT_CFL20p	3	1	0.95	0.21
INCAN3	GRCCZ08	CON	1_LT_INC75	1	1	0.21	0.36
INCAN3	GRCCZ08	CON	2_LT_CFL20s	2	1	0.64	0.36
INCAN3	GRCCZ08	CON	3_LT_CFL20p	3	1	0.15	0.36
INCAN3	HLTCZ08	CON	1_LT_INC75	1	1	0.25	0.77
INCAN3	HLTCZ08	CON	2_LT_CFL20s	2	1	0.45	0.77
INCAN3	HLTCZ08	CON	3_LT_CFL20p	3	1	0.3	0.77
INCAN3	LDGCZ08	CON	1_LT_INC75	1	1	0.11	4.85
INCAN3	LDGCZ08	CON	2_LT_CFL20s	2	1	0.69	4.85
INCAN3	LDGCZ08	CON	3_LT_CFL20p	3	1	0.2	4.85
INCAN3	LGOCZ08	CON	1_LT_INC75	1	1	0.18	0.51
INCAN3	LGOCZ08	CON	2_LT_CFL20s	2	1	0.36	0.51
INCAN3	LGOCZ08	CON	3_LT_CFL20p	3	1	0.45	0.51
INCAN3	MSCCZ08	CON	1_LT_INC75	1	1	0.09	0.6
INCAN3	MSCCZ08	CON	2_LT_CFL20s	2	1	0.07	0.6
INCAN3	MSCCZ08	CON	3_LT_CFL20p	3	1	0.85	0.6
INCAN3	REFCZ08	CON	1_LT_INC75	1	1	1	0.02

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ08	CON	2_LT_CFL20s	2	1	0	0.02
INCAN3	REFCZ08	CON	3_LT_CFL20p	3	1	0	0.02
INCAN3	RETCZ08	CON	1_LT_INC75	1	1	0.06	0.52
INCAN3	RETCZ08	CON	2_LT_CFL20s	2	1	0.41	0.52
INCAN3	RETCZ08	CON	3_LT_CFL20p	3	1	0.53	0.52
INCAN3	RSTCZ08	CON	1_LT_INC75	1	1	0.86	2.31
INCAN3	RSTCZ08	CON	2_LT_CFL20s	2	1	0.08	2.31
INCAN3	RSTCZ08	CON	3_LT_CFL20p	3	1	0.06	2.31
INCAN3	SCHCZ08	CON	1_LT_INC75	1	1	0.07	0.8
INCAN3	SCHCZ08	CON	2_LT_CFL20s	2	1	0.45	0.8
INCAN3	SCHCZ08	CON	3_LT_CFL20p	3	1	0.49	0.8
INCAN3	SMOCZ08	CON	1_LT_INC75	1	1	0.57	0.51
INCAN3	SMOCZ08	CON	2_LT_CFL20s	2	1	0.07	0.51
INCAN3	SMOCZ08	CON	3_LT_CFL20p	3	1	0.36	0.51
INCAN3	WRHCZ08	CON	1_LT_INC75	1	1	0.25	0.06
INCAN3	WRHCZ08	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ08	CON	3_LT_CFL20p	3	1	0.57	0.06
INCAN2	COLCZ08	CON	1_LT_INC60	1	1	0.48	0.59
INCAN2	COLCZ08	CON	2_LT_CFL15s	2	1	0.36	0.59
INCAN2	COLCZ08	CON	3_LT_CFL15p	3	1	0.16	0.59
INCAN2	GRCCZ08	CON	1_LT_INC60	1	1	0.67	0.45
INCAN2	GRCCZ08	CON	2_LT_CFL15s	2	1	0.21	0.45
INCAN2	GRCCZ08	CON	3_LT_CFL15p	3	1	0.12	0.45
INCAN2	HLTCZ08	CON	1_LT_INC60	1	1	0.39	1.81
INCAN2	HLTCZ08	CON	2_LT_CFL15s	2	1	0.34	1.81
INCAN2	HLTCZ08	CON	3_LT_CFL15p	3	1	0.27	1.81
INCAN2	LDGCZ08	CON	1_LT_INC60	1	1	0.42	4.61
INCAN2	LDGCZ08	CON	2_LT_CFL15s	2	1	0.39	4.61
INCAN2	LDGCZ08	CON	3_LT_CFL15p	3	1	0.19	4.61
INCAN2	LGOCZ08	CON	1_LT_INC60	1	1	0.34	0.4
INCAN2	LGOCZ08	CON	2_LT_CFL15s	2	1	0.23	0.4
INCAN2	LGOCZ08	CON	3_LT_CFL15p	3	1	0.42	0.4
INCAN2	MSCCZ08	CON	1_LT_INC60	1	1	0.86	0.16
INCAN2	MSCCZ08	CON	2_LT_CFL15s	2	1	0.02	0.16
INCAN2	MSCCZ08	CON	3_LT_CFL15p	3	1	0.12	0.16

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ08	CON	1_LT_INC60	1	1	0	0.01
INCAN2	REFCZ08	CON	2_LT_CFL15s	2	1	0.65	0.01
INCAN2	REFCZ08	CON	3_LT_CFL15p	3	1	0.35	0.01
INCAN2	RETCZ08	CON	1_LT_INC60	1	1	0.55	0.28
INCAN2	RETCZ08	CON	2_LT_CFL15s	2	1	0.37	0.28
INCAN2	RETCZ08	CON	3_LT_CFL15p	3	1	0.08	0.28
INCAN2	RSTCZ08	CON	1_LT_INC60	1	1	0.62	2.75
INCAN2	RSTCZ08	CON	2_LT_CFL15s	2	1	0.29	2.75
INCAN2	RSTCZ08	CON	3_LT_CFL15p	3	1	0.09	2.75
INCAN2	SCHCZ08	CON	1_LT_INC60	1	1	0.43	0.3
INCAN2	SCHCZ08	CON	2_LT_CFL15s	2	1	0.15	0.3
INCAN2	SCHCZ08	CON	3_LT_CFL15p	3	1	0.41	0.3
INCAN2	SMOCZ08	CON	1_LT_INC60	1	1	0.57	1.15
INCAN2	SMOCZ08	CON	2_LT_CFL15s	2	1	0.28	1.15
INCAN2	SMOCZ08	CON	3_LT_CFL15p	3	1	0.15	1.15
INCAN2	WRHCZ08	CON	1_LT_INC60	1	1	0.86	0.04
INCAN2	WRHCZ08	CON	2_LT_CFL15s	2	1	0.12	0.04
INCAN2	WRHCZ08	CON	3_LT_CFL15p	3	1	0.03	0.04
INCAN1	COLCZ08	CON	1_LT_INC40	1	1	1	0.03
INCAN1	COLCZ08	CON	2_LT_CFL10_5s	2	1	0	0.03
INCAN1	COLCZ08	CON	3_LT_CFL10_5p	3	1	0	0.03
INCAN1	GRCCZ08	CON	1_LT_INC40	1	1	1	0.05
INCAN1	GRCCZ08	CON	2_LT_CFL10_5s	2	1	0	0.05
INCAN1	GRCCZ08	CON	3_LT_CFL10_5p	3	1	0	0.05
INCAN1	HLTCZ08	CON	1_LT_INC40	1	1	0.77	0.4
INCAN1	HLTCZ08	CON	2_LT_CFL10_5s	2	1	0	0.4
INCAN1	HLTCZ08	CON	3_LT_CFL10_5p	3	1	0.23	0.4
INCAN1	LDGCZ08	CON	1_LT_INC40	1	1	0.6	2.92
INCAN1	LDGCZ08	CON	2_LT_CFL10_5s	2	1	0.14	2.92
INCAN1	LDGCZ08	CON	3_LT_CFL10_5p	3	1	0.26	2.92
INCAN1	LGOCZ08	CON	1_LT_INC40	1	1	0.21	0.08
INCAN1	LGOCZ08	CON	2_LT_CFL10_5s	2	1	0.52	0.08
INCAN1	LGOCZ08	CON	3_LT_CFL10_5p	3	1	0.27	0.08
INCAN1	MSCCZ08	CON	1_LT_INC40	1	1	0.8	0.04
INCAN1	MSCCZ08	CON	2_LT_CFL10_5s	2	1	0.09	0.04

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ08	CON	3_LT_CFL10_5p	3	1	0.11	0.04
INCAN1	REFCZ08	CON	1_LT_INC40	1	1	0	0
INCAN1	REFCZ08	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	REFCZ08	CON	3_LT_CFL10_5p	3	1	0	0
INCAN1	RETCZ08	CON	1_LT_INC40	1	1	0.98	0.09
INCAN1	RETCZ08	CON	2_LT_CFL10_5s	2	1	0.02	0.09
INCAN1	RETCZ08	CON	3_LT_CFL10_5p	3	1	0	0.09
INCAN1	RSTCZ08	CON	1_LT_INC40	1	1	0.73	1.25
INCAN1	RSTCZ08	CON	2_LT_CFL10_5s	2	1	0.27	1.25
INCAN1	RSTCZ08	CON	3_LT_CFL10_5p	3	1	0	1.25
INCAN1	SCHCZ08	CON	1_LT_INC40	1	1	1	0.01
INCAN1	SCHCZ08	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	SCHCZ08	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	SMOCZ08	CON	1_LT_INC40	1	1	1	0.18
INCAN1	SMOCZ08	CON	2_LT_CFL10_5s	2	1	0	0.18
INCAN1	SMOCZ08	CON	3_LT_CFL10_5p	3	1	0	0.18
INCAN1	WRHCZ08	CON	1_LT_INC40	1	1	1	0
INCAN1	WRHCZ08	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	WRHCZ08	CON	3_LT_CFL10_5p	3	1	0	0
HID6	COLCZ08	CON	1_LT_MH400	1	1	0	1.25
HID6	COLCZ08	CON	2_LT_PS320	2	1	0	1.25
HID6	COLCZ08	CON	3_LT_HIDT5HO	3	1	0	1.25
HID6	GRCCZ08	CON	1_LT_MH400	1	1	0	2.28
HID6	GRCCZ08	CON	2_LT_PS320	2	1	0	2.28
HID6	GRCCZ08	CON	3_LT_HIDT5HO	3	1	0	2.28
HID6	HLTCZ08	CON	1_LT_MH400	1	1	0	1.36
HID6	HLTCZ08	CON	2_LT_PS320	2	1	0	1.36
HID6	HLTCZ08	CON	3_LT_HIDT5HO	3	1	0	1.36
HID6	LDGCZ08	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ08	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ08	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ08	CON	1_LT_MH400	1	1	0.04	0.09
HID6	LGOCZ08	CON	2_LT_PS320	2	1	0	0.09
HID6	LGOCZ08	CON	3_LT_HIDT5HO	3	1	0	0.09
HID6	MSCCZ08	CON	1_LT_MH400	1	1	0.01	1.84

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ08	CON	2_LT_PS320	2	1	0	1.84
HID6	MSCCZ08	CON	3_LT_HIDT5HO	3	1	0	1.84
HID6	REFCZ08	CON	1_LT_MH400	1	1	0.06	10.98
HID6	REFCZ08	CON	2_LT_PS320	2	1	0	10.98
HID6	REFCZ08	CON	3_LT_HIDT5HO	3	1	0	10.98
HID6	RETCZ08	CON	1_LT_MH400	1	1	0.06	3.05
HID6	RETCZ08	CON	2_LT_PS320	2	1	0	3.05
HID6	RETCZ08	CON	3_LT_HIDT5HO	3	1	0	3.05
HID6	RSTCZ08	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ08	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ08	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ08	CON	1_LT_MH400	1	1	0.01	2.36
HID6	SCHCZ08	CON	2_LT_PS320	2	1	0	2.36
HID6	SCHCZ08	CON	3_LT_HIDT5HO	3	1	0	2.36
HID6	SMOCZ08	CON	1_LT_MH400	1	1	0	0
HID6	SMOCZ08	CON	2_LT_PS320	2	1	0	0
HID6	SMOCZ08	CON	3_LT_HIDT5HO	3	1	0	0
HID6	WRHCZ08	CON	1_LT_MH400	1	1	0.28	1.09
HID6	WRHCZ08	CON	2_LT_PS320	2	1	0	1.09
HID6	WRHCZ08	CON	3_LT_HIDT5HO	3	1	0	1.09
HID4MV	COLCZ08	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ08	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ08	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ08	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ08	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ08	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ08	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ08	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ08	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ08	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ08	CON	1_LT_MV400	1	1	0	3.63
HID4MV	MSCCZ08	CON	2_LT_MH250mv	2	1	0	3.63
HID4MV	REFCZ08	CON	1_LT_MV400	1	1	0	0
HID4MV	REFCZ08	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RETCZ08	CON	1_LT_MV400	1	1	0	0



SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ08	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ08	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ08	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ08	CON	1_LT_MV400	1	1	0.01	2.08
HID4MV	SCHCZ08	CON	2_LT_MH250mv	2	1	0	2.08
HID4MV	SMOCZ08	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ08	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ08	CON	1_LT_MV400	1	1	0	18.68
HID4MV	WRHCZ08	CON	2_LT_MH250mv	2	1	0.01	18.68
HID4I	COLCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ08	CON	2_LT_MH250i	2	1	0.02	0.58
HID4I	GRCCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ08	CON	2_LT_MH250i	2	1	0.11	0.15
HID4I	HLTCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ08	CON	2_LT_MH250i	2	1	0	0
HID4I	LDGCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ08	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ08	CON	2_LT_MH250i	2	1	0.05	0.02
HID4I	MSCCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ08	CON	2_LT_MH250i	2	1	0	0.85
HID4I	REFCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ08	CON	2_LT_MH250i	2	1	0.03	4.37
HID4I	RETCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ08	CON	2_LT_MH250i	2	1	0.02	0.63
HID4I	RSTCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ08	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ08	CON	2_LT_MH250i	2	1	0	1.48
HID4I	SMOCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ08	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ08	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ08	CON	2_LT_MH250i	2	1	0.1	0.65
HID3MV	COLCZ08	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ08	CON	2_LT_MH175mv	2	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ08	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ08	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ08	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ08	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ08	CON	1_LT_MV250	1	1	0	0.17
HID3MV	LDGCZ08	CON	2_LT_MH175mv	2	1	0	0.17
HID3MV	LGOCZ08	CON	1_LT_MV250	1	1	0	0
HID3MV	LGOCZ08	CON	2_LT_MH175mv	2	1	0	0
HID3MV	MSCCZ08	CON	1_LT_MV250	1	1	0	0
HID3MV	MSCCZ08	CON	2_LT_MH175mv	2	1	0	0
HID3MV	REFCZ08	CON	1_LT_MV250	1	1	0.01	7.84
HID3MV	REFCZ08	CON	2_LT_MH175mv	2	1	0	7.84
HID3MV	RETCZ08	CON	1_LT_MV250	1	1	0.01	1.28
HID3MV	RETCZ08	CON	2_LT_MH175mv	2	1	0.01	1.28
HID3MV	RSTCZ08	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ08	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ08	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ08	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ08	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ08	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ08	CON	1_LT_MV250	1	1	0.02	0.25
HID3MV	WRHCZ08	CON	2_LT_MH175mv	2	1	0	0.25
HID3I	COLCZ08	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ08	CON	2_LT_MH175i	2	1	0	1.41
HID3I	GRCCZ08	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ08	CON	2_LT_MH175i	2	1	0	0
HID3I	HLTCZ08	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ08	CON	2_LT_MH175i	2	1	0	1.69
HID3I	LDGCZ08	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ08	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ08	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ08	CON	2_LT_MH175i	2	1	0.01	0.95
HID3I	MSCCZ08	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ08	CON	2_LT_MH175i	2	1	0.01	0.31
HID3I	REFCZ08	CON	1_LT_INC500i	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ08	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ08	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ08	CON	2_LT_MH175i	2	1	0.01	2.17
HID3I	RSTCZ08	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ08	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ08	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ08	CON	2_LT_MH175i	2	1	0.03	2.53
HID3I	SMOCZ08	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ08	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ08	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ08	CON	2_LT_MH175i	2	1	0.04	0.29
HID2MV	COLCZ08	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ08	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ08	CON	1_LT_MV175	1	1	0.01	4.55
HID2MV	GRCCZ08	CON	2_LT_MH100mv	2	1	0	4.55
HID2MV	HLTCZ08	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ08	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ08	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ08	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ08	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ08	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ08	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ08	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ08	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ08	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ08	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ08	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ08	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ08	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ08	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ08	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ08	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ08	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ08	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ08	CON	2_LT_MH100mv	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ08	CON	1_LT_INC300	1	1	0.02	4.17
HID2I	COLCZ08	CON	2_LT_MH100i	2	1	0	4.17
HID2I	GRCCZ08	CON	1_LT_INC300	1	1	0.03	4.52
HID2I	GRCCZ08	CON	2_LT_MH100i	2	1	0.01	4.52
HID2I	HLTCZ08	CON	1_LT_INC300	1	1	0	1.23
HID2I	HLTCZ08	CON	2_LT_MH100i	2	1	0	1.23
HID2I	LDGCZ08	CON	1_LT_INC300	1	1	0.04	2.49
HID2I	LDGCZ08	CON	2_LT_MH100i	2	1	0	2.49
HID2I	LGOCZ08	CON	1_LT_INC300	1	1	0	2.24
HID2I	LGOCZ08	CON	2_LT_MH100i	2	1	0	2.24
HID2I	MSCCZ08	CON	1_LT_INC300	1	1	0	2.06
HID2I	MSCCZ08	CON	2_LT_MH100i	2	1	0	2.06
HID2I	REFCZ08	CON	1_LT_INC300	1	1	0	0
HID2I	REFCZ08	CON	2_LT_MH100i	2	1	0	0
HID2I	RETCZ08	CON	1_LT_INC300	1	1	0.02	17.39
HID2I	RETCZ08	CON	2_LT_MH100i	2	1	0	17.39
HID2I	RSTCZ08	CON	1_LT_INC300	1	1	0	14.81
HID2I	RSTCZ08	CON	2_LT_MH100i	2	1	0	14.81
HID2I	SCHCZ08	CON	1_LT_INC300	1	1	0.01	2.88
HID2I	SCHCZ08	CON	2_LT_MH100i	2	1	0	2.88
HID2I	SMOCZ08	CON	1_LT_INC300	1	1	0	1.47
HID2I	SMOCZ08	CON	2_LT_MH100i	2	1	0.02	1.47
HID2I	WRHCZ08	CON	1_LT_INC300	1	1	0	0
HID2I	WRHCZ08	CON	2_LT_MH100i	2	1	0	0
HID1MV	COLCZ08	CON	1_LT_MV100	1	1	0	0.38
HID1MV	COLCZ08	CON	2_LT_MH70mv	2	1	0	0.38
HID1MV	GRCCZ08	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ08	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ08	CON	1_LT_MV100	1	1	0	5.42
HID1MV	HLTCZ08	CON	2_LT_MH70mv	2	1	0	5.42
HID1MV	LDGCZ08	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ08	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ08	CON	1_LT_MV100	1	1	0	0
HID1MV	LGOCZ08	CON	2_LT_MH70mv	2	1	0	0
HID1MV	MSCCZ08	CON	1_LT_MV100	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ08	CON	2_LT_MH70mv	2	1	0	0
HID1MV	REFCZ08	CON	1_LT_MV100	1	1	0	0
HID1MV	REFCZ08	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RETCZ08	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ08	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ08	CON	1_LT_MV100	1	1	0	0
HID1MV	RSTCZ08	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SCHCZ08	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ08	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ08	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ08	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ08	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ08	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ08	CON	1_LT_INC200	1	1	0	5.63
HID1I	COLCZ08	CON	2_LT_MH70i	2	1	0	5.63
HID1I	GRCCZ08	CON	1_LT_INC200	1	1	0.01	6.05
HID1I	GRCCZ08	CON	2_LT_MH70i	2	1	0	6.05
HID1I	HLTCZ08	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ08	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ08	CON	1_LT_INC200	1	1	0	239.48
HID1I	LDGCZ08	CON	2_LT_MH70i	2	1	0	239.48
HID1I	LGOCZ08	CON	1_LT_INC200	1	1	0.01	1.66
HID1I	LGOCZ08	CON	2_LT_MH70i	2	1	0	1.66
HID1I	MSCCZ08	CON	1_LT_INC200	1	1	0	143.65
HID1I	MSCCZ08	CON	2_LT_MH70i	2	1	0	143.65
HID1I	REFCZ08	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ08	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ08	CON	1_LT_INC200	1	1	0.01	58.59
HID1I	RETCZ08	CON	2_LT_MH70i	2	1	0	58.59
HID1I	RSTCZ08	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ08	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ08	CON	1_LT_INC200	1	1	0	5.35
HID1I	SCHCZ08	CON	2_LT_MH70i	2	1	0	5.35
HID1I	SMOCZ08	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ08	CON	2_LT_MH70i	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ08	CON	1_LT_INC200	1	1	0	4.02
HID1I	WRHCZ08	CON	2_LT_MH70i	2	1	0	4.02
HID13MV	COLCZ08	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ08	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ08	CON	1_LT_EXMV400	1	1	1	0
HID13MV	GRCCZ08	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	HLTCZ08	CON	1_LT_EXMV400	1	1	1	0.08
HID13MV	HLTCZ08	CON	2_LT_EXPS250mv	2	1	0	0.08
HID13MV	LDGCZ08	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ08	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ08	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ08	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ08	CON	1_LT_EXMV400	1	1	1	0
HID13MV	MSCCZ08	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	REFCZ08	CON	1_LT_EXMV400	1	1	1	0
HID13MV	REFCZ08	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RETCZ08	CON	1_LT_EXMV400	1	1	1	0
HID13MV	RETCZ08	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RSTCZ08	CON	1_LT_EXMV400	1	1	1	0.02
HID13MV	RSTCZ08	CON	2_LT_EXPS250mv	2	1	0	0.02
HID13MV	SCHCZ08	CON	1_LT_EXMV400	1	1	1	0
HID13MV	SCHCZ08	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ08	CON	1_LT_EXMV400	1	1	1	0.21
HID13MV	SMOCZ08	CON	2_LT_EXPS250mv	2	1	0	0.21
HID13MV	WRHCZ08	CON	1_LT_EXMV400	1	1	1	0
HID13MV	WRHCZ08	CON	2_LT_EXPS250mv	2	1	0	0
HID13I	COLCZ08	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ08	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ08	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ08	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ08	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ08	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ08	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ08	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ08	CON	1_LT_EXINC700	1	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ08	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ08	CON	1_LT_EXINC700	1	1	0	0
HID13I	MSCCZ08	CON	2_LT_EXPS250i	2	1	1	0
HID13I	REFCZ08	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ08	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ08	CON	1_LT_EXINC700	1	1	0	0
HID13I	RETCZ08	CON	2_LT_EXPS250i	2	1	1	0
HID13I	RSTCZ08	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RSTCZ08	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	SCHCZ08	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ08	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ08	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ08	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ08	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ08	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ08	CON	1_LT_EXMV250	1	1	0	0
HID12MV	COLCZ08	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ08	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	GRCCZ08	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	HLTCZ08	CON	1_LT_EXMV250	1	1	1	0
HID12MV	HLTCZ08	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ08	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LDGCZ08	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ08	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	LGOCZ08	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	MSCCZ08	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	MSCCZ08	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	REFCZ08	CON	1_LT_EXMV250	1	1	1	0.02
HID12MV	REFCZ08	CON	2_LT_EXPS175mv	2	1	0	0.02
HID12MV	RETCZ08	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ08	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ08	CON	1_LT_EXMV250	1	1	1	0
HID12MV	RSTCZ08	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ08	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	SCHCZ08	CON	2_LT_EXPS175mv	2	1	0	0.01

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ08	CON	1_LT_EXMV250	1	1	1	0
HID12MV	SMOCZ08	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ08	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ08	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ08	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	GRCCZ08	CON	2_LT_EXPS175i	2	1	0	0
HID12I	HLTCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ08	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ08	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ08	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ08	CON	2_LT_EXPS175i	2	1	1	0
HID12I	REFCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ08	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ08	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ08	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ08	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ08	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ08	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ08	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ08	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ08	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ08	CON	1_LT_EXMV175	1	1	1	0.03
HID11MV	GRCCZ08	CON	2_LT_EXMH100mv	2	1	0	0.03
HID11MV	HLTCZ08	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	HLTCZ08	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	LDGCZ08	CON	1_LT_EXMV175	1	1	1	0



SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ08	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ08	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	LGOCZ08	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	MSCCZ08	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	MSCCZ08	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	REFCZ08	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ08	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ08	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	RETCZ08	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	RSTCZ08	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	RSTCZ08	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	SCHCZ08	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	SCHCZ08	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	SMOCZ08	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	SMOCZ08	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	WRHCZ08	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	WRHCZ08	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11I	COLCZ08	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	COLCZ08	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	GRCCZ08	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	GRCCZ08	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	HLTCZ08	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	HLTCZ08	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	LDGCZ08	CON	1_LT_EXINC300	1	1	0.05	0.08
HID11I	LDGCZ08	CON	2_LT_EXMH100i	2	1	0.95	0.08
HID11I	LGOCZ08	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	LGOCZ08	CON	2_LT_EXMH100i	2	1	1	0.02
HID11I	MSCCZ08	CON	1_LT_EXINC300	1	1	0.02	0.02
HID11I	MSCCZ08	CON	2_LT_EXMH100i	2	1	0.98	0.02
HID11I	REFCZ08	CON	1_LT_EXINC300	1	1	0	0
HID11I	REFCZ08	CON	2_LT_EXMH100i	2	1	1	0
HID11I	RETCZ08	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ08	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ08	CON	1_LT_EXINC300	1	1	0	0.43
HID11I	RSTCZ08	CON	2_LT_EXMH100i	2	1	1	0.43

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ08	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	SCHCZ08	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	SMOCZ08	CON	1_LT_EXINC300	1	1	0.47	0.2
HID11I	SMOCZ08	CON	2_LT_EXMH100i	2	1	0.53	0.2
HID11I	WRHCZ08	CON	1_LT_EXINC300	1	1	0.53	0
HID11I	WRHCZ08	CON	2_LT_EXMH100i	2	1	0.47	0
FLUOR4A	COLCZ08	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	COLCZ08	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	GRCCZ08	CON	1_LT_8T12	1	1	0.58	2.68
FLUOR4A	GRCCZ08	CON	2_LT_8T82ndG	2	1	0.42	2.68
FLUOR4A	HLTCZ08	CON	1_LT_8T12	1	1	1	0.1
FLUOR4A	HLTCZ08	CON	2_LT_8T82ndG	2	1	0	0.1
FLUOR4A	LDGCZ08	CON	1_LT_8T12	1	1	0.97	0.03
FLUOR4A	LDGCZ08	CON	2_LT_8T82ndG	2	1	0.03	0.03
FLUOR4A	LGOCZ08	CON	1_LT_8T12	1	1	0.58	0.11
FLUOR4A	LGOCZ08	CON	2_LT_8T82ndG	2	1	0.42	0.11
FLUOR4A	MSCCZ08	CON	1_LT_8T12	1	1	1	1.38
FLUOR4A	MSCCZ08	CON	2_LT_8T82ndG	2	1	0	1.38
FLUOR4A	REFCZ08	CON	1_LT_8T12	1	1	1	0.39
FLUOR4A	REFCZ08	CON	2_LT_8T82ndG	2	1	0	0.39
FLUOR4A	RETCZ08	CON	1_LT_8T12	1	1	0.84	1.57
FLUOR4A	RETCZ08	CON	2_LT_8T82ndG	2	1	0.16	1.57
FLUOR4A	RSTCZ08	CON	1_LT_8T12	1	1	1	0.47
FLUOR4A	RSTCZ08	CON	2_LT_8T82ndG	2	1	0	0.47
FLUOR4A	SCHCZ08	CON	1_LT_8T12	1	1	0.61	0.43
FLUOR4A	SCHCZ08	CON	2_LT_8T82ndG	2	1	0.39	0.43
FLUOR4A	SMOCZ08	CON	1_LT_8T12	1	1	0.89	0.12
FLUOR4A	SMOCZ08	CON	2_LT_8T82ndG	2	1	0.11	0.12
FLUOR4A	WRHCZ08	CON	1_LT_8T12	1	1	0.95	0.95
FLUOR4A	WRHCZ08	CON	2_LT_8T82ndG	2	1	0.05	0.95
FLUOR1A	COLCZ08	CON	1_LT_4T12	1	1	0.18	8.7
FLUOR1A	COLCZ08	CON	2_LT_4T8_5	2	1	0.82	8.7
FLUOR1A	GRCCZ08	CON	1_LT_4T12	1	1	0.24	5.91
FLUOR1A	GRCCZ08	CON	2_LT_4T8_5	2	1	0.76	5.91
FLUOR1A	HLTCZ08	CON	1_LT_4T12	1	1	0.21	7.61

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ08	CON	2_LT_4T8_5	2	1	0.79	7.61
FLUOR1A	LDGCZ08	CON	1_LT_4T12	1	1	0.44	2.59
FLUOR1A	LDGCZ08	CON	2_LT_4T8_5	2	1	0.56	2.59
FLUOR1A	LGOCZ08	CON	1_LT_4T12	1	1	0.05	6.96
FLUOR1A	LGOCZ08	CON	2_LT_4T8_5	2	1	0.95	6.96
FLUOR1A	MSCCZ08	CON	1_LT_4T12	1	1	0.8	1.7
FLUOR1A	MSCCZ08	CON	2_LT_4T8_5	2	1	0.2	1.7
FLUOR1A	REFCZ08	CON	1_LT_4T12	1	1	0.28	0.86
FLUOR1A	REFCZ08	CON	2_LT_4T8_5	2	1	0.72	0.86
FLUOR1A	RETCZ08	CON	1_LT_4T12	1	1	0.28	4.68
FLUOR1A	RETCZ08	CON	2_LT_4T8_5	2	1	0.72	4.68
FLUOR1A	RSTCZ08	CON	1_LT_4T12	1	1	0.65	3.47
FLUOR1A	RSTCZ08	CON	2_LT_4T8_5	2	1	0.35	3.47
FLUOR1A	SCHCZ08	CON	1_LT_4T12	1	1	0.23	7.61
FLUOR1A	SCHCZ08	CON	2_LT_4T8_5	2	1	0.77	7.61
FLUOR1A	SMOCZ08	CON	1_LT_4T12	1	1	0.71	4.75
FLUOR1A	SMOCZ08	CON	2_LT_4T8_5	2	1	0.29	4.75
FLUOR1A	WRHCZ08	CON	1_LT_4T12	1	1	0.37	1.12
FLUOR1A	WRHCZ08	CON	2_LT_4T8_5	2	1	0.63	1.12
EXIT1	COLCZ08	RET	2_LT_EXLED	1	1	0.82	0.43
EXIT1	GRCCZ08	RET	2_LT_EXLED	1	1	0.32	0.36
EXIT1	HLTCZ08	RET	2_LT_EXLED	1	1	0.77	0.46
EXIT1	LDGCZ08	RET	2_LT_EXLED	1	1	0.19	0.4
EXIT1	LGOCZ08	RET	2_LT_EXLED	1	1	0.57	0.62
EXIT1	MSCCZ08	RET	2_LT_EXLED	1	1	0.4	0.52
EXIT1	REFCZ08	RET	2_LT_EXLED	1	1	0.21	0.05
EXIT1	RETCZ08	RET	2_LT_EXLED	1	1	0.25	0.32
EXIT1	RSTCZ08	RET	2_LT_EXLED	1	1	0.24	0.74
EXIT1	SCHCZ08	RET	2_LT_EXLED	1	1	0.48	0.46
EXIT1	SMOCZ08	RET	2_LT_EXLED	1	1	0.68	0.88
EXIT1	WRHCZ08	RET	2_LT_EXLED	1	1	0.54	0.17
DL1	COLCZ08	RET	2_LT_DLInst	1	0	0	0
DL1	GRCCZ08	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ08	RET	2_LT_DLInst	1	0	0	0
DL1	LDGCZ08	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ08	RET	2_LT_DLInst	1	0.12	0	25.59
DL1	MSCCZ08	RET	2_LT_DLInst	1	0	0	9.07
DL1	REFCZ08	RET	2_LT_DLInst	1	0	0	0
DL1	RETCZ08	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ08	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ08	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ08	RET	2_LT_DLInst	1	0.02	0	29.39
DL1	WRHCZ08	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ09	RET	2_LT_RFLCSpec8	1	0	0	4.62
RFLC2	GRCCZ09	RET	2_LT_RFLCSpec8	1	0	0	0.97
RFLC2	HLTCZ09	RET	2_LT_RFLCSpec8	1	0	0	5.91
RFLC2	LDGCZ09	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ09	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ09	RET	2_LT_RFLCSpec8	1	0.01	0	3.6
RFLC2	REFCZ09	RET	2_LT_RFLCSpec8	1	0.02	0	1.64
RFLC2	RETCZ09	RET	2_LT_RFLCSpec8	1	0.05	0	2.82
RFLC2	RSTCZ09	RET	2_LT_RFLCSpec8	1	0	0	5
RFLC2	SCHCZ09	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	SMOCZ09	RET	2_LT_RFLCSpec8	1	0	0	3.87
RFLC2	WRHCZ09	RET	2_LT_RFLCSpec8	1	0.02	0	1.1
RFLC1	COLCZ09	RET	2_LT_RFLCSpec4	1	0.44	0	10.61
RFLC1	GRCCZ09	RET	2_LT_RFLCSpec4	1	0.34	0.02	5.85
RFLC1	HLTCZ09	RET	2_LT_RFLCSpec4	1	0.27	0.03	9
RFLC1	LDGCZ09	RET	2_LT_RFLCSpec4	1	0.07	0	2.85
RFLC1	LGOCZ09	RET	2_LT_RFLCSpec4	1	0.49	0.09	10.53
RFLC1	MSCCZ09	RET	2_LT_RFLCSpec4	1	0.13	0	9.68
RFLC1	REFCZ09	RET	2_LT_RFLCSpec4	1	0.32	0.01	4.62
RFLC1	RETCZ09	RET	2_LT_RFLCSpec4	1	0.32	0	8.33
RFLC1	RSTCZ09	RET	2_LT_RFLCSpec4	1	0.24	0	10.23
RFLC1	SCHCZ09	RET	2_LT_RFLCSpec4	1	0.29	0.06	13.07
RFLC1	SMOCZ09	RET	2_LT_RFLCSpec4	1	0.5	0	11.56
RFLC1	WRHCZ09	RET	2_LT_RFLCSpec4	1	0.18	0.01	5.8
PC1	COLCZ09	CON	1_LT_PCNoCtrl	1	1	0	0.58
PC1	COLCZ09	CON	2_LT_PCPC	2	1	0.76	0.58
PC1	COLCZ09	CON	3_LT_PCTC	3	1	0.08	0.58
PC1	COLCZ09	CON	4_LT_PCPT	4	1	0.02	0.58
PC1	GRCCZ09	CON	1_LT_PCNoCtrl	1	1	0	1.39
PC1	GRCCZ09	CON	2_LT_PCPC	2	1	0.38	1.39
PC1	GRCCZ09	CON	3_LT_PCTC	3	1	0.23	1.39
PC1	GRCCZ09	CON	4_LT_PCPT	4	1	0.05	1.39
PC1	HLTCZ09	CON	1_LT_PCNoCtrl	1	1	0.01	0.36
PC1	HLTCZ09	CON	2_LT_PCPC	2	1	0.59	0.36
PC1	HLTCZ09	CON	3_LT_PCTC	3	1	0.23	0.36

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ09	CON	4_LT_PCPT	4	1	0.03	0.36
PC1	LDGCZ09	CON	1_LT_PCNoCtrl	1	1	0	0.41
PC1	LDGCZ09	CON	2_LT_PCPC	2	1	0.5	0.41
PC1	LDGCZ09	CON	3_LT_PCTC	3	1	0.42	0.41
PC1	LDGCZ09	CON	4_LT_PCPT	4	1	0.07	0.41
PC1	LGOCZ09	CON	1_LT_PCNoCtrl	1	1	0.05	0.39
PC1	LGOCZ09	CON	2_LT_PCPC	2	1	0.29	0.39
PC1	LGOCZ09	CON	3_LT_PCTC	3	1	0.48	0.39
PC1	LGOCZ09	CON	4_LT_PCPT	4	1	0.09	0.39
PC1	MSCCZ09	CON	1_LT_PCNoCtrl	1	1	0	0.75
PC1	MSCCZ09	CON	2_LT_PCPC	2	1	0.1	0.75
PC1	MSCCZ09	CON	3_LT_PCTC	3	1	0.43	0.75
PC1	MSCCZ09	CON	4_LT_PCPT	4	1	0.01	0.75
PC1	REFCZ09	CON	1_LT_PCNoCtrl	1	1	0	0.21
PC1	REFCZ09	CON	2_LT_PCPC	2	1	0.49	0.21
PC1	REFCZ09	CON	3_LT_PCTC	3	1	0.23	0.21
PC1	REFCZ09	CON	4_LT_PCPT	4	1	0.09	0.21
PC1	RETCZ09	CON	1_LT_PCNoCtrl	1	1	0	1
PC1	RETCZ09	CON	2_LT_PCPC	2	1	0.22	1
PC1	RETCZ09	CON	3_LT_PCTC	3	1	0.42	1
PC1	RETCZ09	CON	4_LT_PCPT	4	1	0.05	1
PC1	RSTCZ09	CON	1_LT_PCNoCtrl	1	1	0	1.84
PC1	RSTCZ09	CON	2_LT_PCPC	2	1	0.32	1.84
PC1	RSTCZ09	CON	3_LT_PCTC	3	1	0.34	1.84
PC1	RSTCZ09	CON	4_LT_PCPT	4	1	0.02	1.84
PC1	SCHCZ09	CON	1_LT_PCNoCtrl	1	1	0.01	0.41
PC1	SCHCZ09	CON	2_LT_PCPC	2	1	0.42	0.41
PC1	SCHCZ09	CON	3_LT_PCTC	3	1	0.34	0.41
PC1	SCHCZ09	CON	4_LT_PCPT	4	1	0.2	0.41
PC1	SMOCZ09	CON	1_LT_PCNoCtrl	1	1	0	1.9
PC1	SMOCZ09	CON	2_LT_PCPC	2	1	0.17	1.9
PC1	SMOCZ09	CON	3_LT_PCTC	3	1	0.32	1.9
PC1	SMOCZ09	CON	4_LT_PCPT	4	1	0.02	1.9
PC1	WRHCZ09	CON	1_LT_PCNoCtrl	1	1	0	0.13
PC1	WRHCZ09	CON	2_LT_PCPC	2	1	0.53	0.13

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ09	CON	3_LT_PCTC	3	1	0.31	0.13
PC1	WRHCZ09	CON	4_LT_PCPT	4	1	0.11	0.13
OCC2	COLCZ09	RET	2_LT_OCCPCDInst	1	0.67	0	3.65
OCC2	GRCCZ09	RET	2_LT_OCCPCDInst	1	0.43	0	0.57
OCC2	HLTCZ09	RET	2_LT_OCCPCDInst	1	0.46	0	2.86
OCC2	LDGCZ09	RET	2_LT_OCCPCDInst	1	0.22	0	2.88
OCC2	LGOCZ09	RET	2_LT_OCCPCDInst	1	0.79	0	3.78
OCC2	MSCCZ09	RET	2_LT_OCCPCDInst	1	0.7	0	1.16
OCC2	REFCZ09	RET	2_LT_OCCPCDInst	1	0.33	0	0.59
OCC2	RETCZ09	RET	2_LT_OCCPCDInst	1	0.43	0	1.15
OCC2	RSTCZ09	RET	2_LT_OCCPCDInst	1	0.24	0	0.85
OCC2	SCHCZ09	RET	2_LT_OCCPCDInst	1	0.7	0	3.4
OCC2	SMOCZ09	RET	2_LT_OCCPCDInst	1	0.8	0	3.92
OCC2	WRHCZ09	RET	2_LT_OCCPCDInst	1	0.38	0	1.13
OCC1	COLCZ09	RET	2_LT_OCCMS	1	0.6	0.04	2.55
OCC1	GRCCZ09	RET	2_LT_OCCMS	1	0.1	0	1.83
OCC1	HLTCZ09	RET	2_LT_OCCMS	1	0.18	0.01	2.02
OCC1	LDGCZ09	RET	2_LT_OCCMS	1	0.03	0	1.73
OCC1	LGOCZ09	RET	2_LT_OCCMS	1	0.52	0.08	2.17
OCC1	MSCCZ09	RET	2_LT_OCCMS	1	0.1	0	2.16
OCC1	REFCZ09	RET	2_LT_OCCMS	1	0.3	0	1.03
OCC1	RETCZ09	RET	2_LT_OCCMS	1	0.25	0.01	1.49
OCC1	RSTCZ09	RET	2_LT_OCCMS	1	0.05	0	1.84
OCC1	SCHCZ09	RET	2_LT_OCCMS	1	0.68	0.11	2.74
OCC1	SMOCZ09	RET	2_LT_OCCMS	1	0.65	0	3.09
OCC1	WRHCZ09	RET	2_LT_OCCMS	1	0.6	0.01	0.97
INCAN6	COLCZ09	CON	1_LT_IRIP60	1	1	0.74	0.09
INCAN6	COLCZ09	CON	2_LT_CRC14s	2	1	0.26	0.09
INCAN6	GRCCZ09	CON	1_LT_IRIP60	1	1	0.99	0.83
INCAN6	GRCCZ09	CON	2_LT_CRC14s	2	1	0.01	0.83
INCAN6	HLTCZ09	CON	1_LT_IRIP60	1	1	0.85	0.46
INCAN6	HLTCZ09	CON	2_LT_CRC14s	2	1	0.15	0.46
INCAN6	LDGCZ09	CON	1_LT_IRIP60	1	1	0.43	0.35
INCAN6	LDGCZ09	CON	2_LT_CRC14s	2	1	0.57	0.35
INCAN6	LGOCZ09	CON	1_LT_IRIP60	1	1	0.87	0.08

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ09	CON	2_LT_CRC14s	2	1	0.13	0.08
INCAN6	MSCCZ09	CON	1_LT_IRIP60	1	1	1	1.09
INCAN6	MSCCZ09	CON	2_LT_CRC14s	2	1	0	1.09
INCAN6	REFCZ09	CON	1_LT_IRIP60	1	1	0.97	0.02
INCAN6	REFCZ09	CON	2_LT_CRC14s	2	1	0.03	0.02
INCAN6	RETCZ09	CON	1_LT_IRIP60	1	1	0.99	2.16
INCAN6	RETCZ09	CON	2_LT_CRC14s	2	1	0.01	2.16
INCAN6	RSTCZ09	CON	1_LT_IRIP60	1	1	0.94	1.43
INCAN6	RSTCZ09	CON	2_LT_CRC14s	2	1	0.06	1.43
INCAN6	SCHCZ09	CON	1_LT_IRIP60	1	1	0.92	0.06
INCAN6	SCHCZ09	CON	2_LT_CRC14s	2	1	0.08	0.06
INCAN6	SMOCZ09	CON	1_LT_IRIP60	1	1	0.94	0.62
INCAN6	SMOCZ09	CON	2_LT_CRC14s	2	1	0.06	0.62
INCAN6	WRHCZ09	CON	1_LT_IRIP60	1	1	0.94	0.01
INCAN6	WRHCZ09	CON	2_LT_CRC14s	2	1	0.06	0.01
INCAN5	COLCZ09	CON	1_LT_INC120	1	1	0	0.31
INCAN5	COLCZ09	CON	2_LT_CFL38s	2	1	0	0.31
INCAN5	COLCZ09	CON	3_LT_CFL38p	3	1	1	0.31
INCAN5	GRCCZ09	CON	1_LT_INC120	1	1	1	0.11
INCAN5	GRCCZ09	CON	2_LT_CFL38s	2	1	0	0.11
INCAN5	GRCCZ09	CON	3_LT_CFL38p	3	1	0	0.11
INCAN5	HLTCZ09	CON	1_LT_INC120	1	1	0.04	0.92
INCAN5	HLTCZ09	CON	2_LT_CFL38s	2	1	0.3	0.92
INCAN5	HLTCZ09	CON	3_LT_CFL38p	3	1	0.66	0.92
INCAN5	LDGCZ09	CON	1_LT_INC120	1	1	0.4	1.8
INCAN5	LDGCZ09	CON	2_LT_CFL38s	2	1	0.39	1.8
INCAN5	LDGCZ09	CON	3_LT_CFL38p	3	1	0.21	1.8
INCAN5	LGOCZ09	CON	1_LT_INC120	1	1	0.07	0.1
INCAN5	LGOCZ09	CON	2_LT_CFL38s	2	1	0.36	0.1
INCAN5	LGOCZ09	CON	3_LT_CFL38p	3	1	0.57	0.1
INCAN5	MSCCZ09	CON	1_LT_INC120	1	1	0.97	1.54
INCAN5	MSCCZ09	CON	2_LT_CFL38s	2	1	0.03	1.54
INCAN5	MSCCZ09	CON	3_LT_CFL38p	3	1	0	1.54
INCAN5	REFCZ09	CON	1_LT_INC120	1	1	0	0
INCAN5	REFCZ09	CON	2_LT_CFL38s	2	1	0	0



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ09	CON	3_LT_CFL38p	3	1	0	0
INCAN5	RETCZ09	CON	1_LT_INC120	1	1	0.29	0.2
INCAN5	RETCZ09	CON	2_LT_CFL38s	2	1	0.71	0.2
INCAN5	RETCZ09	CON	3_LT_CFL38p	3	1	0	0.2
INCAN5	RSTCZ09	CON	1_LT_INC120	1	1	0.81	0.96
INCAN5	RSTCZ09	CON	2_LT_CFL38s	2	1	0.17	0.96
INCAN5	RSTCZ09	CON	3_LT_CFL38p	3	1	0.02	0.96
INCAN5	SCHCZ09	CON	1_LT_INC120	1	1	0.29	0.06
INCAN5	SCHCZ09	CON	2_LT_CFL38s	2	1	0.04	0.06
INCAN5	SCHCZ09	CON	3_LT_CFL38p	3	1	0.67	0.06
INCAN5	SMOCZ09	CON	1_LT_INC120	1	1	0.45	0.17
INCAN5	SMOCZ09	CON	2_LT_CFL38s	2	1	0.55	0.17
INCAN5	SMOCZ09	CON	3_LT_CFL38p	3	1	0	0.17
INCAN5	WRHCZ09	CON	1_LT_INC120	1	1	1	0.01
INCAN5	WRHCZ09	CON	2_LT_CFL38s	2	1	0	0.01
INCAN5	WRHCZ09	CON	3_LT_CFL38p	3	1	0	0.01
INCAN3	COLCZ09	CON	1_LT_INC75	1	1	0	0.21
INCAN3	COLCZ09	CON	2_LT_CFL20s	2	1	0.05	0.21
INCAN3	COLCZ09	CON	3_LT_CFL20p	3	1	0.95	0.21
INCAN3	GRCCZ09	CON	1_LT_INC75	1	1	0.21	0.36
INCAN3	GRCCZ09	CON	2_LT_CFL20s	2	1	0.64	0.36
INCAN3	GRCCZ09	CON	3_LT_CFL20p	3	1	0.15	0.36
INCAN3	HLTCZ09	CON	1_LT_INC75	1	1	0.25	0.77
INCAN3	HLTCZ09	CON	2_LT_CFL20s	2	1	0.45	0.77
INCAN3	HLTCZ09	CON	3_LT_CFL20p	3	1	0.3	0.77
INCAN3	LDGCZ09	CON	1_LT_INC75	1	1	0.11	4.85
INCAN3	LDGCZ09	CON	2_LT_CFL20s	2	1	0.69	4.85
INCAN3	LDGCZ09	CON	3_LT_CFL20p	3	1	0.2	4.85
INCAN3	LGOCZ09	CON	1_LT_INC75	1	1	0.18	0.51
INCAN3	LGOCZ09	CON	2_LT_CFL20s	2	1	0.36	0.51
INCAN3	LGOCZ09	CON	3_LT_CFL20p	3	1	0.45	0.51
INCAN3	MSCCZ09	CON	1_LT_INC75	1	1	0.09	0.6
INCAN3	MSCCZ09	CON	2_LT_CFL20s	2	1	0.07	0.6
INCAN3	MSCCZ09	CON	3_LT_CFL20p	3	1	0.85	0.6
INCAN3	REFCZ09	CON	1_LT_INC75	1	1	1	0.02

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ09	CON	2_LT_CFL20s	2	1	0	0.02
INCAN3	REFCZ09	CON	3_LT_CFL20p	3	1	0	0.02
INCAN3	RETCZ09	CON	1_LT_INC75	1	1	0.06	0.52
INCAN3	RETCZ09	CON	2_LT_CFL20s	2	1	0.41	0.52
INCAN3	RETCZ09	CON	3_LT_CFL20p	3	1	0.53	0.52
INCAN3	RSTCZ09	CON	1_LT_INC75	1	1	0.86	2.31
INCAN3	RSTCZ09	CON	2_LT_CFL20s	2	1	0.08	2.31
INCAN3	RSTCZ09	CON	3_LT_CFL20p	3	1	0.06	2.31
INCAN3	SCHCZ09	CON	1_LT_INC75	1	1	0.07	0.8
INCAN3	SCHCZ09	CON	2_LT_CFL20s	2	1	0.45	0.8
INCAN3	SCHCZ09	CON	3_LT_CFL20p	3	1	0.49	0.8
INCAN3	SMOCZ09	CON	1_LT_INC75	1	1	0.57	0.51
INCAN3	SMOCZ09	CON	2_LT_CFL20s	2	1	0.07	0.51
INCAN3	SMOCZ09	CON	3_LT_CFL20p	3	1	0.36	0.51
INCAN3	WRHCZ09	CON	1_LT_INC75	1	1	0.25	0.06
INCAN3	WRHCZ09	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ09	CON	3_LT_CFL20p	3	1	0.57	0.06
INCAN2	COLCZ09	CON	1_LT_INC60	1	1	0.48	0.59
INCAN2	COLCZ09	CON	2_LT_CFL15s	2	1	0.36	0.59
INCAN2	COLCZ09	CON	3_LT_CFL15p	3	1	0.16	0.59
INCAN2	GRCCZ09	CON	1_LT_INC60	1	1	0.67	0.45
INCAN2	GRCCZ09	CON	2_LT_CFL15s	2	1	0.21	0.45
INCAN2	GRCCZ09	CON	3_LT_CFL15p	3	1	0.12	0.45
INCAN2	HLTCZ09	CON	1_LT_INC60	1	1	0.39	1.81
INCAN2	HLTCZ09	CON	2_LT_CFL15s	2	1	0.34	1.81
INCAN2	HLTCZ09	CON	3_LT_CFL15p	3	1	0.27	1.81
INCAN2	LDGCZ09	CON	1_LT_INC60	1	1	0.42	4.61
INCAN2	LDGCZ09	CON	2_LT_CFL15s	2	1	0.39	4.61
INCAN2	LDGCZ09	CON	3_LT_CFL15p	3	1	0.19	4.61
INCAN2	LGOCZ09	CON	1_LT_INC60	1	1	0.34	0.4
INCAN2	LGOCZ09	CON	2_LT_CFL15s	2	1	0.23	0.4
INCAN2	LGOCZ09	CON	3_LT_CFL15p	3	1	0.42	0.4
INCAN2	MSCCZ09	CON	1_LT_INC60	1	1	0.86	0.16
INCAN2	MSCCZ09	CON	2_LT_CFL15s	2	1	0.02	0.16
INCAN2	MSCCZ09	CON	3_LT_CFL15p	3	1	0.12	0.16

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ09	CON	1_LT_INC60	1	1	0	0.01
INCAN2	REFCZ09	CON	2_LT_CFL15s	2	1	0.65	0.01
INCAN2	REFCZ09	CON	3_LT_CFL15p	3	1	0.35	0.01
INCAN2	RETCZ09	CON	1_LT_INC60	1	1	0.55	0.28
INCAN2	RETCZ09	CON	2_LT_CFL15s	2	1	0.37	0.28
INCAN2	RETCZ09	CON	3_LT_CFL15p	3	1	0.08	0.28
INCAN2	RSTCZ09	CON	1_LT_INC60	1	1	0.62	2.75
INCAN2	RSTCZ09	CON	2_LT_CFL15s	2	1	0.29	2.75
INCAN2	RSTCZ09	CON	3_LT_CFL15p	3	1	0.09	2.75
INCAN2	SCHCZ09	CON	1_LT_INC60	1	1	0.43	0.3
INCAN2	SCHCZ09	CON	2_LT_CFL15s	2	1	0.15	0.3
INCAN2	SCHCZ09	CON	3_LT_CFL15p	3	1	0.41	0.3
INCAN2	SMOCZ09	CON	1_LT_INC60	1	1	0.57	1.15
INCAN2	SMOCZ09	CON	2_LT_CFL15s	2	1	0.28	1.15
INCAN2	SMOCZ09	CON	3_LT_CFL15p	3	1	0.15	1.15
INCAN2	WRHCZ09	CON	1_LT_INC60	1	1	0.86	0.04
INCAN2	WRHCZ09	CON	2_LT_CFL15s	2	1	0.12	0.04
INCAN2	WRHCZ09	CON	3_LT_CFL15p	3	1	0.03	0.04
INCAN1	COLCZ09	CON	1_LT_INC40	1	1	1	0.03
INCAN1	COLCZ09	CON	2_LT_CFL10_5s	2	1	0	0.03
INCAN1	COLCZ09	CON	3_LT_CFL10_5p	3	1	0	0.03
INCAN1	GRCCZ09	CON	1_LT_INC40	1	1	1	0.05
INCAN1	GRCCZ09	CON	2_LT_CFL10_5s	2	1	0	0.05
INCAN1	GRCCZ09	CON	3_LT_CFL10_5p	3	1	0	0.05
INCAN1	HLTCZ09	CON	1_LT_INC40	1	1	0.77	0.4
INCAN1	HLTCZ09	CON	2_LT_CFL10_5s	2	1	0	0.4
INCAN1	HLTCZ09	CON	3_LT_CFL10_5p	3	1	0.23	0.4
INCAN1	LDGCZ09	CON	1_LT_INC40	1	1	0.6	2.92
INCAN1	LDGCZ09	CON	2_LT_CFL10_5s	2	1	0.14	2.92
INCAN1	LDGCZ09	CON	3_LT_CFL10_5p	3	1	0.26	2.92
INCAN1	LGOCZ09	CON	1_LT_INC40	1	1	0.21	0.08
INCAN1	LGOCZ09	CON	2_LT_CFL10_5s	2	1	0.52	0.08
INCAN1	LGOCZ09	CON	3_LT_CFL10_5p	3	1	0.27	0.08
INCAN1	MSCCZ09	CON	1_LT_INC40	1	1	0.8	0.04
INCAN1	MSCCZ09	CON	2_LT_CFL10_5s	2	1	0.09	0.04

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ09	CON	3_LT_CFL10_5p	3	1	0.11	0.04
INCAN1	REFCZ09	CON	1_LT_INC40	1	1	0	0
INCAN1	REFCZ09	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	REFCZ09	CON	3_LT_CFL10_5p	3	1	0	0
INCAN1	RETCZ09	CON	1_LT_INC40	1	1	0.98	0.09
INCAN1	RETCZ09	CON	2_LT_CFL10_5s	2	1	0.02	0.09
INCAN1	RETCZ09	CON	3_LT_CFL10_5p	3	1	0	0.09
INCAN1	RSTCZ09	CON	1_LT_INC40	1	1	0.73	1.25
INCAN1	RSTCZ09	CON	2_LT_CFL10_5s	2	1	0.27	1.25
INCAN1	RSTCZ09	CON	3_LT_CFL10_5p	3	1	0	1.25
INCAN1	SCHCZ09	CON	1_LT_INC40	1	1	1	0.01
INCAN1	SCHCZ09	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	SCHCZ09	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	SMOCZ09	CON	1_LT_INC40	1	1	1	0.18
INCAN1	SMOCZ09	CON	2_LT_CFL10_5s	2	1	0	0.18
INCAN1	SMOCZ09	CON	3_LT_CFL10_5p	3	1	0	0.18
INCAN1	WRHCZ09	CON	1_LT_INC40	1	1	1	0
INCAN1	WRHCZ09	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	WRHCZ09	CON	3_LT_CFL10_5p	3	1	0	0
HID6	COLCZ09	CON	1_LT_MH400	1	1	0	1.25
HID6	COLCZ09	CON	2_LT_PS320	2	1	0	1.25
HID6	COLCZ09	CON	3_LT_HIDT5HO	3	1	0	1.25
HID6	GRCCZ09	CON	1_LT_MH400	1	1	0	2.28
HID6	GRCCZ09	CON	2_LT_PS320	2	1	0	2.28
HID6	GRCCZ09	CON	3_LT_HIDT5HO	3	1	0	2.28
HID6	HLTCZ09	CON	1_LT_MH400	1	1	0	1.36
HID6	HLTCZ09	CON	2_LT_PS320	2	1	0	1.36
HID6	HLTCZ09	CON	3_LT_HIDT5HO	3	1	0	1.36
HID6	LDGCZ09	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ09	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ09	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ09	CON	1_LT_MH400	1	1	0.04	0.09
HID6	LGOCZ09	CON	2_LT_PS320	2	1	0	0.09
HID6	LGOCZ09	CON	3_LT_HIDT5HO	3	1	0	0.09
HID6	MSCCZ09	CON	1_LT_MH400	1	1	0.01	1.84

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ09	CON	2_LT_PS320	2	1	0	1.84
HID6	MSCCZ09	CON	3_LT_HIDT5HO	3	1	0	1.84
HID6	REFCZ09	CON	1_LT_MH400	1	1	0.06	10.98
HID6	REFCZ09	CON	2_LT_PS320	2	1	0	10.98
HID6	REFCZ09	CON	3_LT_HIDT5HO	3	1	0	10.98
HID6	RETCZ09	CON	1_LT_MH400	1	1	0.06	3.05
HID6	RETCZ09	CON	2_LT_PS320	2	1	0	3.05
HID6	RETCZ09	CON	3_LT_HIDT5HO	3	1	0	3.05
HID6	RSTCZ09	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ09	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ09	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ09	CON	1_LT_MH400	1	1	0.01	2.36
HID6	SCHCZ09	CON	2_LT_PS320	2	1	0	2.36
HID6	SCHCZ09	CON	3_LT_HIDT5HO	3	1	0	2.36
HID6	SMOCZ09	CON	1_LT_MH400	1	1	0	0
HID6	SMOCZ09	CON	2_LT_PS320	2	1	0	0
HID6	SMOCZ09	CON	3_LT_HIDT5HO	3	1	0	0
HID6	WRHCZ09	CON	1_LT_MH400	1	1	0.28	1.09
HID6	WRHCZ09	CON	2_LT_PS320	2	1	0	1.09
HID6	WRHCZ09	CON	3_LT_HIDT5HO	3	1	0	1.09
HID4MV	COLCZ09	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ09	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ09	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ09	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ09	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ09	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ09	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ09	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ09	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ09	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ09	CON	1_LT_MV400	1	1	0	3.63
HID4MV	MSCCZ09	CON	2_LT_MH250mv	2	1	0	3.63
HID4MV	REFCZ09	CON	1_LT_MV400	1	1	0	0
HID4MV	REFCZ09	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RETCZ09	CON	1_LT_MV400	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ09	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ09	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ09	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ09	CON	1_LT_MV400	1	1	0.01	2.08
HID4MV	SCHCZ09	CON	2_LT_MH250mv	2	1	0	2.08
HID4MV	SMOCZ09	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ09	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ09	CON	1_LT_MV400	1	1	0	18.68
HID4MV	WRHCZ09	CON	2_LT_MH250mv	2	1	0.01	18.68
HID4I	COLCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ09	CON	2_LT_MH250i	2	1	0.02	0.58
HID4I	GRCCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ09	CON	2_LT_MH250i	2	1	0.11	0.15
HID4I	HLTCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ09	CON	2_LT_MH250i	2	1	0	0
HID4I	LDGCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ09	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ09	CON	2_LT_MH250i	2	1	0.05	0.02
HID4I	MSCCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ09	CON	2_LT_MH250i	2	1	0	0.85
HID4I	REFCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ09	CON	2_LT_MH250i	2	1	0.03	4.37
HID4I	RETCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ09	CON	2_LT_MH250i	2	1	0.02	0.63
HID4I	RSTCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ09	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ09	CON	2_LT_MH250i	2	1	0	1.48
HID4I	SMOCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ09	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ09	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ09	CON	2_LT_MH250i	2	1	0.1	0.65
HID3MV	COLCZ09	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ09	CON	2_LT_MH175mv	2	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ09	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ09	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ09	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ09	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ09	CON	1_LT_MV250	1	1	0	0.17
HID3MV	LDGCZ09	CON	2_LT_MH175mv	2	1	0	0.17
HID3MV	LGOCZ09	CON	1_LT_MV250	1	1	0	0
HID3MV	LGOCZ09	CON	2_LT_MH175mv	2	1	0	0
HID3MV	MSCCZ09	CON	1_LT_MV250	1	1	0	0
HID3MV	MSCCZ09	CON	2_LT_MH175mv	2	1	0	0
HID3MV	REFCZ09	CON	1_LT_MV250	1	1	0.01	7.84
HID3MV	REFCZ09	CON	2_LT_MH175mv	2	1	0	7.84
HID3MV	RETCZ09	CON	1_LT_MV250	1	1	0.01	1.28
HID3MV	RETCZ09	CON	2_LT_MH175mv	2	1	0.01	1.28
HID3MV	RSTCZ09	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ09	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ09	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ09	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ09	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ09	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ09	CON	1_LT_MV250	1	1	0.02	0.25
HID3MV	WRHCZ09	CON	2_LT_MH175mv	2	1	0	0.25
HID3I	COLCZ09	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ09	CON	2_LT_MH175i	2	1	0	1.41
HID3I	GRCCZ09	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ09	CON	2_LT_MH175i	2	1	0	0
HID3I	HLTCZ09	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ09	CON	2_LT_MH175i	2	1	0	1.69
HID3I	LDGCZ09	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ09	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ09	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ09	CON	2_LT_MH175i	2	1	0.01	0.95
HID3I	MSCCZ09	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ09	CON	2_LT_MH175i	2	1	0.01	0.31
HID3I	REFCZ09	CON	1_LT_INC500i	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ09	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ09	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ09	CON	2_LT_MH175i	2	1	0.01	2.17
HID3I	RSTCZ09	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ09	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ09	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ09	CON	2_LT_MH175i	2	1	0.03	2.53
HID3I	SMOCZ09	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ09	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ09	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ09	CON	2_LT_MH175i	2	1	0.04	0.29
HID2MV	COLCZ09	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ09	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ09	CON	1_LT_MV175	1	1	0.01	4.55
HID2MV	GRCCZ09	CON	2_LT_MH100mv	2	1	0	4.55
HID2MV	HLTCZ09	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ09	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ09	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ09	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ09	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ09	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ09	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ09	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ09	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ09	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ09	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ09	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ09	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ09	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ09	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ09	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ09	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ09	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ09	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ09	CON	2_LT_MH100mv	2	1	0	0



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ09	CON	1_LT_INC300	1	1	0.02	4.17
HID2I	COLCZ09	CON	2_LT_MH100i	2	1	0	4.17
HID2I	GRCCZ09	CON	1_LT_INC300	1	1	0.03	4.52
HID2I	GRCCZ09	CON	2_LT_MH100i	2	1	0.01	4.52
HID2I	HLTCZ09	CON	1_LT_INC300	1	1	0	1.23
HID2I	HLTCZ09	CON	2_LT_MH100i	2	1	0	1.23
HID2I	LDGCZ09	CON	1_LT_INC300	1	1	0.04	2.49
HID2I	LDGCZ09	CON	2_LT_MH100i	2	1	0	2.49
HID2I	LGOCZ09	CON	1_LT_INC300	1	1	0	2.24
HID2I	LGOCZ09	CON	2_LT_MH100i	2	1	0	2.24
HID2I	MSCCZ09	CON	1_LT_INC300	1	1	0	2.06
HID2I	MSCCZ09	CON	2_LT_MH100i	2	1	0	2.06
HID2I	REFCZ09	CON	1_LT_INC300	1	1	0	0
HID2I	REFCZ09	CON	2_LT_MH100i	2	1	0	0
HID2I	RETCZ09	CON	1_LT_INC300	1	1	0.02	17.39
HID2I	RETCZ09	CON	2_LT_MH100i	2	1	0	17.39
HID2I	RSTCZ09	CON	1_LT_INC300	1	1	0	14.81
HID2I	RSTCZ09	CON	2_LT_MH100i	2	1	0	14.81
HID2I	SCHCZ09	CON	1_LT_INC300	1	1	0.01	2.88
HID2I	SCHCZ09	CON	2_LT_MH100i	2	1	0	2.88
HID2I	SMOCZ09	CON	1_LT_INC300	1	1	0	1.47
HID2I	SMOCZ09	CON	2_LT_MH100i	2	1	0.02	1.47
HID2I	WRHCZ09	CON	1_LT_INC300	1	1	0	0
HID2I	WRHCZ09	CON	2_LT_MH100i	2	1	0	0
HID1MV	COLCZ09	CON	1_LT_MV100	1	1	0	0.38
HID1MV	COLCZ09	CON	2_LT_MH70mv	2	1	0	0.38
HID1MV	GRCCZ09	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ09	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ09	CON	1_LT_MV100	1	1	0	5.42
HID1MV	HLTCZ09	CON	2_LT_MH70mv	2	1	0	5.42
HID1MV	LDGCZ09	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ09	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ09	CON	1_LT_MV100	1	1	0	0
HID1MV	LGOCZ09	CON	2_LT_MH70mv	2	1	0	0
HID1MV	MSCCZ09	CON	1_LT_MV100	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ09	CON	2_LT_MH70mv	2	1	0	0
HID1MV	REFCZ09	CON	1_LT_MV100	1	1	0	0
HID1MV	REFCZ09	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RETCZ09	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ09	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ09	CON	1_LT_MV100	1	1	0	0
HID1MV	RSTCZ09	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SCHCZ09	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ09	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ09	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ09	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ09	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ09	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ09	CON	1_LT_INC200	1	1	0	5.63
HID1I	COLCZ09	CON	2_LT_MH70i	2	1	0	5.63
HID1I	GRCCZ09	CON	1_LT_INC200	1	1	0.01	6.05
HID1I	GRCCZ09	CON	2_LT_MH70i	2	1	0	6.05
HID1I	HLTCZ09	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ09	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ09	CON	1_LT_INC200	1	1	0	239.48
HID1I	LDGCZ09	CON	2_LT_MH70i	2	1	0	239.48
HID1I	LGOCZ09	CON	1_LT_INC200	1	1	0.01	1.66
HID1I	LGOCZ09	CON	2_LT_MH70i	2	1	0	1.66
HID1I	MSCCZ09	CON	1_LT_INC200	1	1	0	143.65
HID1I	MSCCZ09	CON	2_LT_MH70i	2	1	0	143.65
HID1I	REFCZ09	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ09	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ09	CON	1_LT_INC200	1	1	0.01	58.59
HID1I	RETCZ09	CON	2_LT_MH70i	2	1	0	58.59
HID1I	RSTCZ09	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ09	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ09	CON	1_LT_INC200	1	1	0	5.35
HID1I	SCHCZ09	CON	2_LT_MH70i	2	1	0	5.35
HID1I	SMOCZ09	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ09	CON	2_LT_MH70i	2	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ09	CON	1_LT_INC200	1	1	0	4.02
HID1I	WRHCZ09	CON	2_LT_MH70i	2	1	0	4.02
HID13MV	COLCZ09	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ09	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ09	CON	1_LT_EXMV400	1	1	1	0
HID13MV	GRCCZ09	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	HLTCZ09	CON	1_LT_EXMV400	1	1	1	0.08
HID13MV	HLTCZ09	CON	2_LT_EXPS250mv	2	1	0	0.08
HID13MV	LDGCZ09	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ09	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ09	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ09	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ09	CON	1_LT_EXMV400	1	1	1	0
HID13MV	MSCCZ09	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	REFCZ09	CON	1_LT_EXMV400	1	1	1	0
HID13MV	REFCZ09	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RETCZ09	CON	1_LT_EXMV400	1	1	1	0
HID13MV	RETCZ09	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RSTCZ09	CON	1_LT_EXMV400	1	1	1	0.02
HID13MV	RSTCZ09	CON	2_LT_EXPS250mv	2	1	0	0.02
HID13MV	SCHCZ09	CON	1_LT_EXMV400	1	1	1	0
HID13MV	SCHCZ09	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ09	CON	1_LT_EXMV400	1	1	1	0.21
HID13MV	SMOCZ09	CON	2_LT_EXPS250mv	2	1	0	0.21
HID13MV	WRHCZ09	CON	1_LT_EXMV400	1	1	1	0
HID13MV	WRHCZ09	CON	2_LT_EXPS250mv	2	1	0	0
HID13I	COLCZ09	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ09	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ09	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ09	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ09	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ09	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ09	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ09	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ09	CON	1_LT_EXINC700	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ09	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ09	CON	1_LT_EXINC700	1	1	0	0
HID13I	MSCCZ09	CON	2_LT_EXPS250i	2	1	1	0
HID13I	REFCZ09	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ09	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ09	CON	1_LT_EXINC700	1	1	0	0
HID13I	RETCZ09	CON	2_LT_EXPS250i	2	1	1	0
HID13I	RSTCZ09	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RSTCZ09	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	SCHCZ09	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ09	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ09	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ09	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ09	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ09	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ09	CON	1_LT_EXMV250	1	1	0	0
HID12MV	COLCZ09	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ09	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	GRCCZ09	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	HLTCZ09	CON	1_LT_EXMV250	1	1	1	0
HID12MV	HLTCZ09	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ09	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LDGCZ09	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ09	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	LGOCZ09	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	MSCCZ09	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	MSCCZ09	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	REFCZ09	CON	1_LT_EXMV250	1	1	1	0.02
HID12MV	REFCZ09	CON	2_LT_EXPS175mv	2	1	0	0.02
HID12MV	RETCZ09	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ09	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ09	CON	1_LT_EXMV250	1	1	1	0
HID12MV	RSTCZ09	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ09	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	SCHCZ09	CON	2_LT_EXPS175mv	2	1	0	0.01

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ09	CON	1_LT_EXMV250	1	1	1	0
HID12MV	SMOCZ09	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ09	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ09	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ09	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	GRCCZ09	CON	2_LT_EXPS175i	2	1	0	0
HID12I	HLTCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ09	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ09	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ09	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ09	CON	2_LT_EXPS175i	2	1	1	0
HID12I	REFCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ09	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ09	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ09	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ09	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ09	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ09	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ09	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ09	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ09	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ09	CON	1_LT_EXMV175	1	1	1	0.03
HID11MV	GRCCZ09	CON	2_LT_EXMH100mv	2	1	0	0.03
HID11MV	HLTCZ09	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	HLTCZ09	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	LDGCZ09	CON	1_LT_EXMV175	1	1	1	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ09	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ09	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	LGOCZ09	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	MSCCZ09	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	MSCCZ09	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	REFCZ09	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ09	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ09	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	RETCZ09	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	RSTCZ09	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	RSTCZ09	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	SCHCZ09	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	SCHCZ09	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	SMOCZ09	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	SMOCZ09	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	WRHCZ09	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	WRHCZ09	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11I	COLCZ09	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	COLCZ09	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	GRCCZ09	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	GRCCZ09	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	HLTCZ09	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	HLTCZ09	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	LDGCZ09	CON	1_LT_EXINC300	1	1	0.05	0.08
HID11I	LDGCZ09	CON	2_LT_EXMH100i	2	1	0.95	0.08
HID11I	LGOCZ09	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	LGOCZ09	CON	2_LT_EXMH100i	2	1	1	0.02
HID11I	MSCCZ09	CON	1_LT_EXINC300	1	1	0.02	0.02
HID11I	MSCCZ09	CON	2_LT_EXMH100i	2	1	0.98	0.02
HID11I	REFCZ09	CON	1_LT_EXINC300	1	1	0	0
HID11I	REFCZ09	CON	2_LT_EXMH100i	2	1	1	0
HID11I	RETCZ09	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ09	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ09	CON	1_LT_EXINC300	1	1	0	0.43
HID11I	RSTCZ09	CON	2_LT_EXMH100i	2	1	1	0.43

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ09	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	SCHCZ09	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	SMOCZ09	CON	1_LT_EXINC300	1	1	0.47	0.2
HID11I	SMOCZ09	CON	2_LT_EXMH100i	2	1	0.53	0.2
HID11I	WRHCZ09	CON	1_LT_EXINC300	1	1	0.53	0
HID11I	WRHCZ09	CON	2_LT_EXMH100i	2	1	0.47	0
FLUOR4A	COLCZ09	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	COLCZ09	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	GRCCZ09	CON	1_LT_8T12	1	1	0.58	2.68
FLUOR4A	GRCCZ09	CON	2_LT_8T82ndG	2	1	0.42	2.68
FLUOR4A	HLTCZ09	CON	1_LT_8T12	1	1	1	0.1
FLUOR4A	HLTCZ09	CON	2_LT_8T82ndG	2	1	0	0.1
FLUOR4A	LDGCZ09	CON	1_LT_8T12	1	1	0.97	0.03
FLUOR4A	LDGCZ09	CON	2_LT_8T82ndG	2	1	0.03	0.03
FLUOR4A	LGOCZ09	CON	1_LT_8T12	1	1	0.58	0.11
FLUOR4A	LGOCZ09	CON	2_LT_8T82ndG	2	1	0.42	0.11
FLUOR4A	MSCCZ09	CON	1_LT_8T12	1	1	1	1.38
FLUOR4A	MSCCZ09	CON	2_LT_8T82ndG	2	1	0	1.38
FLUOR4A	REFCZ09	CON	1_LT_8T12	1	1	1	0.39
FLUOR4A	REFCZ09	CON	2_LT_8T82ndG	2	1	0	0.39
FLUOR4A	RETCZ09	CON	1_LT_8T12	1	1	0.84	1.57
FLUOR4A	RETCZ09	CON	2_LT_8T82ndG	2	1	0.16	1.57
FLUOR4A	RSTCZ09	CON	1_LT_8T12	1	1	1	0.47
FLUOR4A	RSTCZ09	CON	2_LT_8T82ndG	2	1	0	0.47
FLUOR4A	SCHCZ09	CON	1_LT_8T12	1	1	0.61	0.43
FLUOR4A	SCHCZ09	CON	2_LT_8T82ndG	2	1	0.39	0.43
FLUOR4A	SMOCZ09	CON	1_LT_8T12	1	1	0.89	0.12
FLUOR4A	SMOCZ09	CON	2_LT_8T82ndG	2	1	0.11	0.12
FLUOR4A	WRHCZ09	CON	1_LT_8T12	1	1	0.95	0.95
FLUOR4A	WRHCZ09	CON	2_LT_8T82ndG	2	1	0.05	0.95
FLUOR1A	COLCZ09	CON	1_LT_4T12	1	1	0.18	8.7
FLUOR1A	COLCZ09	CON	2_LT_4T8_5	2	1	0.82	8.7
FLUOR1A	GRCCZ09	CON	1_LT_4T12	1	1	0.24	5.91
FLUOR1A	GRCCZ09	CON	2_LT_4T8_5	2	1	0.76	5.91
FLUOR1A	HLTCZ09	CON	1_LT_4T12	1	1	0.21	7.61

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ09	CON	2_LT_4T8_5	2	1	0.79	7.61
FLUOR1A	LDGCZ09	CON	1_LT_4T12	1	1	0.44	2.59
FLUOR1A	LDGCZ09	CON	2_LT_4T8_5	2	1	0.56	2.59
FLUOR1A	LGOCZ09	CON	1_LT_4T12	1	1	0.05	6.96
FLUOR1A	LGOCZ09	CON	2_LT_4T8_5	2	1	0.95	6.96
FLUOR1A	MSCCZ09	CON	1_LT_4T12	1	1	0.8	1.7
FLUOR1A	MSCCZ09	CON	2_LT_4T8_5	2	1	0.2	1.7
FLUOR1A	REFCZ09	CON	1_LT_4T12	1	1	0.28	0.86
FLUOR1A	REFCZ09	CON	2_LT_4T8_5	2	1	0.72	0.86
FLUOR1A	RETCZ09	CON	1_LT_4T12	1	1	0.28	4.68
FLUOR1A	RETCZ09	CON	2_LT_4T8_5	2	1	0.72	4.68
FLUOR1A	RSTCZ09	CON	1_LT_4T12	1	1	0.65	3.47
FLUOR1A	RSTCZ09	CON	2_LT_4T8_5	2	1	0.35	3.47
FLUOR1A	SCHCZ09	CON	1_LT_4T12	1	1	0.23	7.61
FLUOR1A	SCHCZ09	CON	2_LT_4T8_5	2	1	0.77	7.61
FLUOR1A	SMOCZ09	CON	1_LT_4T12	1	1	0.71	4.75
FLUOR1A	SMOCZ09	CON	2_LT_4T8_5	2	1	0.29	4.75
FLUOR1A	WRHCZ09	CON	1_LT_4T12	1	1	0.37	1.12
FLUOR1A	WRHCZ09	CON	2_LT_4T8_5	2	1	0.63	1.12
EXIT1	COLCZ09	RET	2_LT_EXLED	1	1	0.82	0.43
EXIT1	GRCCZ09	RET	2_LT_EXLED	1	1	0.32	0.36
EXIT1	HLTCZ09	RET	2_LT_EXLED	1	1	0.77	0.46
EXIT1	LDGCZ09	RET	2_LT_EXLED	1	1	0.19	0.4
EXIT1	LGOCZ09	RET	2_LT_EXLED	1	1	0.57	0.62
EXIT1	MSCCZ09	RET	2_LT_EXLED	1	1	0.4	0.52
EXIT1	REFCZ09	RET	2_LT_EXLED	1	1	0.21	0.05
EXIT1	RETCZ09	RET	2_LT_EXLED	1	1	0.25	0.32
EXIT1	RSTCZ09	RET	2_LT_EXLED	1	1	0.24	0.74
EXIT1	SCHCZ09	RET	2_LT_EXLED	1	1	0.48	0.46
EXIT1	SMOCZ09	RET	2_LT_EXLED	1	1	0.68	0.88
EXIT1	WRHCZ09	RET	2_LT_EXLED	1	1	0.54	0.17
DL1	COLCZ09	RET	2_LT_DLInst	1	0	0	0
DL1	GRCCZ09	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ09	RET	2_LT_DLInst	1	0	0	0
DL1	LDGCZ09	RET	2_LT_DLInst	1	0	0	0



SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ09	RET	2_LT_DLInst	1	0.12	0	25.59
DL1	MSCCZ09	RET	2_LT_DLInst	1	0	0	9.07
DL1	REFCZ09	RET	2_LT_DLInst	1	0	0	0
DL1	RETCZ09	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ09	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ09	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ09	RET	2_LT_DLInst	1	0.02	0	29.39
DL1	WRHCZ09	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ10	RET	2_LT_RFLCSpec8	1	0	0	4.62
RFLC2	GRCCZ10	RET	2_LT_RFLCSpec8	1	0	0	0.97
RFLC2	HLTCZ10	RET	2_LT_RFLCSpec8	1	0	0	5.91
RFLC2	LDGCZ10	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ10	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ10	RET	2_LT_RFLCSpec8	1	0.01	0	3.6
RFLC2	REFCZ10	RET	2_LT_RFLCSpec8	1	0.02	0	1.64
RFLC2	RETCZ10	RET	2_LT_RFLCSpec8	1	0.05	0	2.82
RFLC2	RSTCZ10	RET	2_LT_RFLCSpec8	1	0	0	5
RFLC2	SCHCZ10	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	SMOCZ10	RET	2_LT_RFLCSpec8	1	0	0	3.87
RFLC2	WRHCZ10	RET	2_LT_RFLCSpec8	1	0.02	0	1.1
RFLC1	COLCZ10	RET	2_LT_RFLCSpec4	1	0.44	0	10.61
RFLC1	GRCCZ10	RET	2_LT_RFLCSpec4	1	0.34	0.02	5.85
RFLC1	HLTCZ10	RET	2_LT_RFLCSpec4	1	0.27	0.03	9
RFLC1	LDGCZ10	RET	2_LT_RFLCSpec4	1	0.07	0	2.85
RFLC1	LGOCZ10	RET	2_LT_RFLCSpec4	1	0.49	0.09	10.53
RFLC1	MSCCZ10	RET	2_LT_RFLCSpec4	1	0.13	0	9.68
RFLC1	REFCZ10	RET	2_LT_RFLCSpec4	1	0.32	0.01	4.62
RFLC1	RETCZ10	RET	2_LT_RFLCSpec4	1	0.32	0	8.33
RFLC1	RSTCZ10	RET	2_LT_RFLCSpec4	1	0.24	0	10.23
RFLC1	SCHCZ10	RET	2_LT_RFLCSpec4	1	0.29	0.06	13.07
RFLC1	SMOCZ10	RET	2_LT_RFLCSpec4	1	0.5	0	11.56
RFLC1	WRHCZ10	RET	2_LT_RFLCSpec4	1	0.18	0.01	5.8
PC1	COLCZ10	CON	1_LT_PCNoCtrl	1	1	0	0.58
PC1	COLCZ10	CON	2_LT_PCPC	2	1	0.76	0.58
PC1	COLCZ10	CON	3_LT_PCTC	3	1	0.08	0.58
PC1	COLCZ10	CON	4_LT_PCPT	4	1	0.02	0.58
PC1	GRCCZ10	CON	1_LT_PCNoCtrl	1	1	0	1.39
PC1	GRCCZ10	CON	2_LT_PCPC	2	1	0.38	1.39
PC1	GRCCZ10	CON	3_LT_PCTC	3	1	0.23	1.39
PC1	GRCCZ10	CON	4_LT_PCPT	4	1	0.05	1.39
PC1	HLTCZ10	CON	1_LT_PCNoCtrl	1	1	0.01	0.36
PC1	HLTCZ10	CON	2_LT_PCPC	2	1	0.59	0.36
PC1	HLTCZ10	CON	3_LT_PCTC	3	1	0.23	0.36

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ10	CON	4_LT_PCPT	4	1	0.03	0.36
PC1	LDGCZ10	CON	1_LT_PCNoCtrl	1	1	0	0.41
PC1	LDGCZ10	CON	2_LT_PCPC	2	1	0.5	0.41
PC1	LDGCZ10	CON	3_LT_PCTC	3	1	0.42	0.41
PC1	LDGCZ10	CON	4_LT_PCPT	4	1	0.07	0.41
PC1	LGOCZ10	CON	1_LT_PCNoCtrl	1	1	0.05	0.39
PC1	LGOCZ10	CON	2_LT_PCPC	2	1	0.29	0.39
PC1	LGOCZ10	CON	3_LT_PCTC	3	1	0.48	0.39
PC1	LGOCZ10	CON	4_LT_PCPT	4	1	0.09	0.39
PC1	MSCCZ10	CON	1_LT_PCNoCtrl	1	1	0	0.75
PC1	MSCCZ10	CON	2_LT_PCPC	2	1	0.1	0.75
PC1	MSCCZ10	CON	3_LT_PCTC	3	1	0.43	0.75
PC1	MSCCZ10	CON	4_LT_PCPT	4	1	0.01	0.75
PC1	REFCZ10	CON	1_LT_PCNoCtrl	1	1	0	0.21
PC1	REFCZ10	CON	2_LT_PCPC	2	1	0.49	0.21
PC1	REFCZ10	CON	3_LT_PCTC	3	1	0.23	0.21
PC1	REFCZ10	CON	4_LT_PCPT	4	1	0.09	0.21
PC1	RETCZ10	CON	1_LT_PCNoCtrl	1	1	0	1
PC1	RETCZ10	CON	2_LT_PCPC	2	1	0.22	1
PC1	RETCZ10	CON	3_LT_PCTC	3	1	0.42	1
PC1	RETCZ10	CON	4_LT_PCPT	4	1	0.05	1
PC1	RSTCZ10	CON	1_LT_PCNoCtrl	1	1	0	1.84
PC1	RSTCZ10	CON	2_LT_PCPC	2	1	0.32	1.84
PC1	RSTCZ10	CON	3_LT_PCTC	3	1	0.34	1.84
PC1	RSTCZ10	CON	4_LT_PCPT	4	1	0.02	1.84
PC1	SCHCZ10	CON	1_LT_PCNoCtrl	1	1	0.01	0.41
PC1	SCHCZ10	CON	2_LT_PCPC	2	1	0.42	0.41
PC1	SCHCZ10	CON	3_LT_PCTC	3	1	0.34	0.41
PC1	SCHCZ10	CON	4_LT_PCPT	4	1	0.2	0.41
PC1	SMOCZ10	CON	1_LT_PCNoCtrl	1	1	0	1.9
PC1	SMOCZ10	CON	2_LT_PCPC	2	1	0.17	1.9
PC1	SMOCZ10	CON	3_LT_PCTC	3	1	0.32	1.9
PC1	SMOCZ10	CON	4_LT_PCPT	4	1	0.02	1.9
PC1	WRHCZ10	CON	1_LT_PCNoCtrl	1	1	0	0.13
PC1	WRHCZ10	CON	2_LT_PCPC	2	1	0.53	0.13

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ10	CON	3_LT_PCTC	3	1	0.31	0.13
PC1	WRHCZ10	CON	4_LT_PCPT	4	1	0.11	0.13
OCC2	COLCZ10	RET	2_LT_OCCPCDInst	1	0.67	0	3.65
OCC2	GRCCZ10	RET	2_LT_OCCPCDInst	1	0.43	0	0.57
OCC2	HLTCZ10	RET	2_LT_OCCPCDInst	1	0.46	0	2.86
OCC2	LDGCZ10	RET	2_LT_OCCPCDInst	1	0.22	0	2.88
OCC2	LGOCZ10	RET	2_LT_OCCPCDInst	1	0.79	0	3.78
OCC2	MSCCZ10	RET	2_LT_OCCPCDInst	1	0.7	0	1.16
OCC2	REFCZ10	RET	2_LT_OCCPCDInst	1	0.33	0	0.59
OCC2	RETCZ10	RET	2_LT_OCCPCDInst	1	0.43	0	1.15
OCC2	RSTCZ10	RET	2_LT_OCCPCDInst	1	0.24	0	0.85
OCC2	SCHCZ10	RET	2_LT_OCCPCDInst	1	0.7	0	3.4
OCC2	SMOCZ10	RET	2_LT_OCCPCDInst	1	0.8	0	3.92
OCC2	WRHCZ10	RET	2_LT_OCCPCDInst	1	0.38	0	1.13
OCC1	COLCZ10	RET	2_LT_OCCMS	1	0.6	0.04	2.55
OCC1	GRCCZ10	RET	2_LT_OCCMS	1	0.1	0	1.83
OCC1	HLTCZ10	RET	2_LT_OCCMS	1	0.18	0.01	2.02
OCC1	LDGCZ10	RET	2_LT_OCCMS	1	0.03	0	1.73
OCC1	LGOCZ10	RET	2_LT_OCCMS	1	0.52	0.08	2.17
OCC1	MSCCZ10	RET	2_LT_OCCMS	1	0.1	0	2.16
OCC1	REFCZ10	RET	2_LT_OCCMS	1	0.3	0	1.03
OCC1	RETCZ10	RET	2_LT_OCCMS	1	0.25	0.01	1.49
OCC1	RSTCZ10	RET	2_LT_OCCMS	1	0.05	0	1.84
OCC1	SCHCZ10	RET	2_LT_OCCMS	1	0.68	0.11	2.74
OCC1	SMOCZ10	RET	2_LT_OCCMS	1	0.65	0	3.09
OCC1	WRHCZ10	RET	2_LT_OCCMS	1	0.6	0.01	0.97
INCAN6	COLCZ10	CON	1_LT_IRIP60	1	1	0.74	0.09
INCAN6	COLCZ10	CON	2_LT_CRCP14s	2	1	0.26	0.09
INCAN6	GRCCZ10	CON	1_LT_IRIP60	1	1	0.99	0.83
INCAN6	GRCCZ10	CON	2_LT_CRCP14s	2	1	0.01	0.83
INCAN6	HLTCZ10	CON	1_LT_IRIP60	1	1	0.85	0.46
INCAN6	HLTCZ10	CON	2_LT_CRCP14s	2	1	0.15	0.46
INCAN6	LDGCZ10	CON	1_LT_IRIP60	1	1	0.43	0.35
INCAN6	LDGCZ10	CON	2_LT_CRCP14s	2	1	0.57	0.35
INCAN6	LGOCZ10	CON	1_LT_IRIP60	1	1	0.87	0.08

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ10	CON	2_LT_CRCP14s	2	1	0.13	0.08
INCAN6	MSCCZ10	CON	1_LT_IRIP60	1	1	1	1.09
INCAN6	MSCCZ10	CON	2_LT_CRCP14s	2	1	0	1.09
INCAN6	REFCZ10	CON	1_LT_IRIP60	1	1	0.97	0.02
INCAN6	REFCZ10	CON	2_LT_CRCP14s	2	1	0.03	0.02
INCAN6	RETCZ10	CON	1_LT_IRIP60	1	1	0.99	2.16
INCAN6	RETCZ10	CON	2_LT_CRCP14s	2	1	0.01	2.16
INCAN6	RSTCZ10	CON	1_LT_IRIP60	1	1	0.94	1.43
INCAN6	RSTCZ10	CON	2_LT_CRCP14s	2	1	0.06	1.43
INCAN6	SCHCZ10	CON	1_LT_IRIP60	1	1	0.92	0.06
INCAN6	SCHCZ10	CON	2_LT_CRCP14s	2	1	0.08	0.06
INCAN6	SMOCZ10	CON	1_LT_IRIP60	1	1	0.94	0.62
INCAN6	SMOCZ10	CON	2_LT_CRCP14s	2	1	0.06	0.62
INCAN6	WRHCZ10	CON	1_LT_IRIP60	1	1	0.94	0.01
INCAN6	WRHCZ10	CON	2_LT_CRCP14s	2	1	0.06	0.01
INCAN5	COLCZ10	CON	1_LT_INC120	1	1	0	0.31
INCAN5	COLCZ10	CON	2_LT_CFL38s	2	1	0	0.31
INCAN5	COLCZ10	CON	3_LT_CFL38p	3	1	1	0.31
INCAN5	GRCCZ10	CON	1_LT_INC120	1	1	1	0.11
INCAN5	GRCCZ10	CON	2_LT_CFL38s	2	1	0	0.11
INCAN5	GRCCZ10	CON	3_LT_CFL38p	3	1	0	0.11
INCAN5	HLTCZ10	CON	1_LT_INC120	1	1	0.04	0.92
INCAN5	HLTCZ10	CON	2_LT_CFL38s	2	1	0.3	0.92
INCAN5	HLTCZ10	CON	3_LT_CFL38p	3	1	0.66	0.92
INCAN5	LDGCZ10	CON	1_LT_INC120	1	1	0.4	1.8
INCAN5	LDGCZ10	CON	2_LT_CFL38s	2	1	0.39	1.8
INCAN5	LDGCZ10	CON	3_LT_CFL38p	3	1	0.21	1.8
INCAN5	LGOCZ10	CON	1_LT_INC120	1	1	0.07	0.1
INCAN5	LGOCZ10	CON	2_LT_CFL38s	2	1	0.36	0.1
INCAN5	LGOCZ10	CON	3_LT_CFL38p	3	1	0.57	0.1
INCAN5	MSCCZ10	CON	1_LT_INC120	1	1	0.97	1.54
INCAN5	MSCCZ10	CON	2_LT_CFL38s	2	1	0.03	1.54
INCAN5	MSCCZ10	CON	3_LT_CFL38p	3	1	0	1.54
INCAN5	REFCZ10	CON	1_LT_INC120	1	1	0	0
INCAN5	REFCZ10	CON	2_LT_CFL38s	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ10	CON	3_LT_CFL38p	3	1	0	0
INCAN5	RETCZ10	CON	1_LT_INC120	1	1	0.29	0.2
INCAN5	RETCZ10	CON	2_LT_CFL38s	2	1	0.71	0.2
INCAN5	RETCZ10	CON	3_LT_CFL38p	3	1	0	0.2
INCAN5	RSTCZ10	CON	1_LT_INC120	1	1	0.81	0.96
INCAN5	RSTCZ10	CON	2_LT_CFL38s	2	1	0.17	0.96
INCAN5	RSTCZ10	CON	3_LT_CFL38p	3	1	0.02	0.96
INCAN5	SCHCZ10	CON	1_LT_INC120	1	1	0.29	0.06
INCAN5	SCHCZ10	CON	2_LT_CFL38s	2	1	0.04	0.06
INCAN5	SCHCZ10	CON	3_LT_CFL38p	3	1	0.67	0.06
INCAN5	SMOCZ10	CON	1_LT_INC120	1	1	0.45	0.17
INCAN5	SMOCZ10	CON	2_LT_CFL38s	2	1	0.55	0.17
INCAN5	SMOCZ10	CON	3_LT_CFL38p	3	1	0	0.17
INCAN5	WRHCZ10	CON	1_LT_INC120	1	1	1	0.01
INCAN5	WRHCZ10	CON	2_LT_CFL38s	2	1	0	0.01
INCAN5	WRHCZ10	CON	3_LT_CFL38p	3	1	0	0.01
INCAN3	COLCZ10	CON	1_LT_INC75	1	1	0	0.21
INCAN3	COLCZ10	CON	2_LT_CFL20s	2	1	0.05	0.21
INCAN3	COLCZ10	CON	3_LT_CFL20p	3	1	0.95	0.21
INCAN3	GRCCZ10	CON	1_LT_INC75	1	1	0.21	0.36
INCAN3	GRCCZ10	CON	2_LT_CFL20s	2	1	0.64	0.36
INCAN3	GRCCZ10	CON	3_LT_CFL20p	3	1	0.15	0.36
INCAN3	HLTCZ10	CON	1_LT_INC75	1	1	0.25	0.77
INCAN3	HLTCZ10	CON	2_LT_CFL20s	2	1	0.45	0.77
INCAN3	HLTCZ10	CON	3_LT_CFL20p	3	1	0.3	0.77
INCAN3	LDGCZ10	CON	1_LT_INC75	1	1	0.11	4.85
INCAN3	LDGCZ10	CON	2_LT_CFL20s	2	1	0.69	4.85
INCAN3	LDGCZ10	CON	3_LT_CFL20p	3	1	0.2	4.85
INCAN3	LGOCZ10	CON	1_LT_INC75	1	1	0.18	0.51
INCAN3	LGOCZ10	CON	2_LT_CFL20s	2	1	0.36	0.51
INCAN3	LGOCZ10	CON	3_LT_CFL20p	3	1	0.45	0.51
INCAN3	MSCCZ10	CON	1_LT_INC75	1	1	0.09	0.6
INCAN3	MSCCZ10	CON	2_LT_CFL20s	2	1	0.07	0.6
INCAN3	MSCCZ10	CON	3_LT_CFL20p	3	1	0.85	0.6
INCAN3	REFCZ10	CON	1_LT_INC75	1	1	1	0.02

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ10	CON	2_LT_CFL20s	2	1	0	0.02
INCAN3	REFCZ10	CON	3_LT_CFL20p	3	1	0	0.02
INCAN3	RETCZ10	CON	1_LT_INC75	1	1	0.06	0.52
INCAN3	RETCZ10	CON	2_LT_CFL20s	2	1	0.41	0.52
INCAN3	RETCZ10	CON	3_LT_CFL20p	3	1	0.53	0.52
INCAN3	RSTCZ10	CON	1_LT_INC75	1	1	0.86	2.31
INCAN3	RSTCZ10	CON	2_LT_CFL20s	2	1	0.08	2.31
INCAN3	RSTCZ10	CON	3_LT_CFL20p	3	1	0.06	2.31
INCAN3	SCHCZ10	CON	1_LT_INC75	1	1	0.07	0.8
INCAN3	SCHCZ10	CON	2_LT_CFL20s	2	1	0.45	0.8
INCAN3	SCHCZ10	CON	3_LT_CFL20p	3	1	0.49	0.8
INCAN3	SMOCZ10	CON	1_LT_INC75	1	1	0.57	0.51
INCAN3	SMOCZ10	CON	2_LT_CFL20s	2	1	0.07	0.51
INCAN3	SMOCZ10	CON	3_LT_CFL20p	3	1	0.36	0.51
INCAN3	WRHCZ10	CON	1_LT_INC75	1	1	0.25	0.06
INCAN3	WRHCZ10	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ10	CON	3_LT_CFL20p	3	1	0.57	0.06
INCAN2	COLCZ10	CON	1_LT_INC60	1	1	0.48	0.59
INCAN2	COLCZ10	CON	2_LT_CFL15s	2	1	0.36	0.59
INCAN2	COLCZ10	CON	3_LT_CFL15p	3	1	0.16	0.59
INCAN2	GRCCZ10	CON	1_LT_INC60	1	1	0.67	0.45
INCAN2	GRCCZ10	CON	2_LT_CFL15s	2	1	0.21	0.45
INCAN2	GRCCZ10	CON	3_LT_CFL15p	3	1	0.12	0.45
INCAN2	HLTCZ10	CON	1_LT_INC60	1	1	0.39	1.81
INCAN2	HLTCZ10	CON	2_LT_CFL15s	2	1	0.34	1.81
INCAN2	HLTCZ10	CON	3_LT_CFL15p	3	1	0.27	1.81
INCAN2	LDGCZ10	CON	1_LT_INC60	1	1	0.42	4.61
INCAN2	LDGCZ10	CON	2_LT_CFL15s	2	1	0.39	4.61
INCAN2	LDGCZ10	CON	3_LT_CFL15p	3	1	0.19	4.61
INCAN2	LGOCZ10	CON	1_LT_INC60	1	1	0.34	0.4
INCAN2	LGOCZ10	CON	2_LT_CFL15s	2	1	0.23	0.4
INCAN2	LGOCZ10	CON	3_LT_CFL15p	3	1	0.42	0.4
INCAN2	MSCCZ10	CON	1_LT_INC60	1	1	0.86	0.16
INCAN2	MSCCZ10	CON	2_LT_CFL15s	2	1	0.02	0.16
INCAN2	MSCCZ10	CON	3_LT_CFL15p	3	1	0.12	0.16

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ10	CON	1_LT_INC60	1	1	0	0.01
INCAN2	REFCZ10	CON	2_LT_CFL15s	2	1	0.65	0.01
INCAN2	REFCZ10	CON	3_LT_CFL15p	3	1	0.35	0.01
INCAN2	RETCZ10	CON	1_LT_INC60	1	1	0.55	0.28
INCAN2	RETCZ10	CON	2_LT_CFL15s	2	1	0.37	0.28
INCAN2	RETCZ10	CON	3_LT_CFL15p	3	1	0.08	0.28
INCAN2	RSTCZ10	CON	1_LT_INC60	1	1	0.62	2.75
INCAN2	RSTCZ10	CON	2_LT_CFL15s	2	1	0.29	2.75
INCAN2	RSTCZ10	CON	3_LT_CFL15p	3	1	0.09	2.75
INCAN2	SCHCZ10	CON	1_LT_INC60	1	1	0.43	0.3
INCAN2	SCHCZ10	CON	2_LT_CFL15s	2	1	0.15	0.3
INCAN2	SCHCZ10	CON	3_LT_CFL15p	3	1	0.41	0.3
INCAN2	SMOCZ10	CON	1_LT_INC60	1	1	0.57	1.15
INCAN2	SMOCZ10	CON	2_LT_CFL15s	2	1	0.28	1.15
INCAN2	SMOCZ10	CON	3_LT_CFL15p	3	1	0.15	1.15
INCAN2	WRHCZ10	CON	1_LT_INC60	1	1	0.86	0.04
INCAN2	WRHCZ10	CON	2_LT_CFL15s	2	1	0.12	0.04
INCAN2	WRHCZ10	CON	3_LT_CFL15p	3	1	0.03	0.04
INCAN1	COLCZ10	CON	1_LT_INC40	1	1	1	0.03
INCAN1	COLCZ10	CON	2_LT_CFL10_5s	2	1	0	0.03
INCAN1	COLCZ10	CON	3_LT_CFL10_5p	3	1	0	0.03
INCAN1	GRCCZ10	CON	1_LT_INC40	1	1	1	0.05
INCAN1	GRCCZ10	CON	2_LT_CFL10_5s	2	1	0	0.05
INCAN1	GRCCZ10	CON	3_LT_CFL10_5p	3	1	0	0.05
INCAN1	HLTCZ10	CON	1_LT_INC40	1	1	0.77	0.4
INCAN1	HLTCZ10	CON	2_LT_CFL10_5s	2	1	0	0.4
INCAN1	HLTCZ10	CON	3_LT_CFL10_5p	3	1	0.23	0.4
INCAN1	LDGCZ10	CON	1_LT_INC40	1	1	0.6	2.92
INCAN1	LDGCZ10	CON	2_LT_CFL10_5s	2	1	0.14	2.92
INCAN1	LDGCZ10	CON	3_LT_CFL10_5p	3	1	0.26	2.92
INCAN1	LGOCZ10	CON	1_LT_INC40	1	1	0.21	0.08
INCAN1	LGOCZ10	CON	2_LT_CFL10_5s	2	1	0.52	0.08
INCAN1	LGOCZ10	CON	3_LT_CFL10_5p	3	1	0.27	0.08
INCAN1	MSCCZ10	CON	1_LT_INC40	1	1	0.8	0.04
INCAN1	MSCCZ10	CON	2_LT_CFL10_5s	2	1	0.09	0.04



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ10	CON	3_LT_CFL10_5p	3	1	0.11	0.04
INCAN1	REFCZ10	CON	1_LT_INC40	1	1	0	0
INCAN1	REFCZ10	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	REFCZ10	CON	3_LT_CFL10_5p	3	1	0	0
INCAN1	RETCZ10	CON	1_LT_INC40	1	1	0.98	0.09
INCAN1	RETCZ10	CON	2_LT_CFL10_5s	2	1	0.02	0.09
INCAN1	RETCZ10	CON	3_LT_CFL10_5p	3	1	0	0.09
INCAN1	RSTCZ10	CON	1_LT_INC40	1	1	0.73	1.25
INCAN1	RSTCZ10	CON	2_LT_CFL10_5s	2	1	0.27	1.25
INCAN1	RSTCZ10	CON	3_LT_CFL10_5p	3	1	0	1.25
INCAN1	SCHCZ10	CON	1_LT_INC40	1	1	1	0.01
INCAN1	SCHCZ10	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	SCHCZ10	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	SMOCZ10	CON	1_LT_INC40	1	1	1	0.18
INCAN1	SMOCZ10	CON	2_LT_CFL10_5s	2	1	0	0.18
INCAN1	SMOCZ10	CON	3_LT_CFL10_5p	3	1	0	0.18
INCAN1	WRHCZ10	CON	1_LT_INC40	1	1	1	0
INCAN1	WRHCZ10	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	WRHCZ10	CON	3_LT_CFL10_5p	3	1	0	0
HID6	COLCZ10	CON	1_LT_MH400	1	1	0	1.25
HID6	COLCZ10	CON	2_LT_PS320	2	1	0	1.25
HID6	COLCZ10	CON	3_LT_HIDT5HO	3	1	0	1.25
HID6	GRCCZ10	CON	1_LT_MH400	1	1	0	2.28
HID6	GRCCZ10	CON	2_LT_PS320	2	1	0	2.28
HID6	GRCCZ10	CON	3_LT_HIDT5HO	3	1	0	2.28
HID6	HLTCZ10	CON	1_LT_MH400	1	1	0	1.36
HID6	HLTCZ10	CON	2_LT_PS320	2	1	0	1.36
HID6	HLTCZ10	CON	3_LT_HIDT5HO	3	1	0	1.36
HID6	LDGCZ10	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ10	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ10	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ10	CON	1_LT_MH400	1	1	0.04	0.09
HID6	LGOCZ10	CON	2_LT_PS320	2	1	0	0.09
HID6	LGOCZ10	CON	3_LT_HIDT5HO	3	1	0	0.09
HID6	MSCCZ10	CON	1_LT_MH400	1	1	0.01	1.84

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ10	CON	2_LT_PS320	2	1	0	1.84
HID6	MSCCZ10	CON	3_LT_HIDT5HO	3	1	0	1.84
HID6	REFCZ10	CON	1_LT_MH400	1	1	0.06	10.98
HID6	REFCZ10	CON	2_LT_PS320	2	1	0	10.98
HID6	REFCZ10	CON	3_LT_HIDT5HO	3	1	0	10.98
HID6	RETCZ10	CON	1_LT_MH400	1	1	0.06	3.05
HID6	RETCZ10	CON	2_LT_PS320	2	1	0	3.05
HID6	RETCZ10	CON	3_LT_HIDT5HO	3	1	0	3.05
HID6	RSTCZ10	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ10	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ10	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ10	CON	1_LT_MH400	1	1	0.01	2.36
HID6	SCHCZ10	CON	2_LT_PS320	2	1	0	2.36
HID6	SCHCZ10	CON	3_LT_HIDT5HO	3	1	0	2.36
HID6	SMOCZ10	CON	1_LT_MH400	1	1	0	0
HID6	SMOCZ10	CON	2_LT_PS320	2	1	0	0
HID6	SMOCZ10	CON	3_LT_HIDT5HO	3	1	0	0
HID6	WRHCZ10	CON	1_LT_MH400	1	1	0.28	1.09
HID6	WRHCZ10	CON	2_LT_PS320	2	1	0	1.09
HID6	WRHCZ10	CON	3_LT_HIDT5HO	3	1	0	1.09
HID4MV	COLCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ10	CON	1_LT_MV400	1	1	0	3.63
HID4MV	MSCCZ10	CON	2_LT_MH250mv	2	1	0	3.63
HID4MV	REFCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	REFCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RETCZ10	CON	1_LT_MV400	1	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ10	CON	1_LT_MV400	1	1	0.01	2.08
HID4MV	SCHCZ10	CON	2_LT_MH250mv	2	1	0	2.08
HID4MV	SMOCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ10	CON	1_LT_MV400	1	1	0	18.68
HID4MV	WRHCZ10	CON	2_LT_MH250mv	2	1	0.01	18.68
HID4I	COLCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ10	CON	2_LT_MH250i	2	1	0.02	0.58
HID4I	GRCCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ10	CON	2_LT_MH250i	2	1	0.11	0.15
HID4I	HLTCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ10	CON	2_LT_MH250i	2	1	0	0
HID4I	LDGCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ10	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ10	CON	2_LT_MH250i	2	1	0.05	0.02
HID4I	MSCCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ10	CON	2_LT_MH250i	2	1	0	0.85
HID4I	REFCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ10	CON	2_LT_MH250i	2	1	0.03	4.37
HID4I	RETCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ10	CON	2_LT_MH250i	2	1	0.02	0.63
HID4I	RSTCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ10	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ10	CON	2_LT_MH250i	2	1	0	1.48
HID4I	SMOCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ10	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ10	CON	2_LT_MH250i	2	1	0.1	0.65
HID3MV	COLCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ10	CON	2_LT_MH175mv	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ10	CON	1_LT_MV250	1	1	0	0.17
HID3MV	LDGCZ10	CON	2_LT_MH175mv	2	1	0	0.17
HID3MV	LGOCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	LGOCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	MSCCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	MSCCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	REFCZ10	CON	1_LT_MV250	1	1	0.01	7.84
HID3MV	REFCZ10	CON	2_LT_MH175mv	2	1	0	7.84
HID3MV	RETCZ10	CON	1_LT_MV250	1	1	0.01	1.28
HID3MV	RETCZ10	CON	2_LT_MH175mv	2	1	0.01	1.28
HID3MV	RSTCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ10	CON	1_LT_MV250	1	1	0.02	0.25
HID3MV	WRHCZ10	CON	2_LT_MH175mv	2	1	0	0.25
HID3I	COLCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ10	CON	2_LT_MH175i	2	1	0	1.41
HID3I	GRCCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ10	CON	2_LT_MH175i	2	1	0	0
HID3I	HLTCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ10	CON	2_LT_MH175i	2	1	0	1.69
HID3I	LDGCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ10	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ10	CON	2_LT_MH175i	2	1	0.01	0.95
HID3I	MSCCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ10	CON	2_LT_MH175i	2	1	0.01	0.31
HID3I	REFCZ10	CON	1_LT_INC500i	1	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ10	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ10	CON	2_LT_MH175i	2	1	0.01	2.17
HID3I	RSTCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ10	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ10	CON	2_LT_MH175i	2	1	0.03	2.53
HID3I	SMOCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ10	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ10	CON	2_LT_MH175i	2	1	0.04	0.29
HID2MV	COLCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ10	CON	1_LT_MV175	1	1	0.01	4.55
HID2MV	GRCCZ10	CON	2_LT_MH100mv	2	1	0	4.55
HID2MV	HLTCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ10	CON	2_LT_MH100mv	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ10	CON	1_LT_INC300	1	1	0.02	4.17
HID2I	COLCZ10	CON	2_LT_MH100i	2	1	0	4.17
HID2I	GRCCZ10	CON	1_LT_INC300	1	1	0.03	4.52
HID2I	GRCCZ10	CON	2_LT_MH100i	2	1	0.01	4.52
HID2I	HLTCZ10	CON	1_LT_INC300	1	1	0	1.23
HID2I	HLTCZ10	CON	2_LT_MH100i	2	1	0	1.23
HID2I	LDGCZ10	CON	1_LT_INC300	1	1	0.04	2.49
HID2I	LDGCZ10	CON	2_LT_MH100i	2	1	0	2.49
HID2I	LGOCZ10	CON	1_LT_INC300	1	1	0	2.24
HID2I	LGOCZ10	CON	2_LT_MH100i	2	1	0	2.24
HID2I	MSCCZ10	CON	1_LT_INC300	1	1	0	2.06
HID2I	MSCCZ10	CON	2_LT_MH100i	2	1	0	2.06
HID2I	REFCZ10	CON	1_LT_INC300	1	1	0	0
HID2I	REFCZ10	CON	2_LT_MH100i	2	1	0	0
HID2I	RETCZ10	CON	1_LT_INC300	1	1	0.02	17.39
HID2I	RETCZ10	CON	2_LT_MH100i	2	1	0	17.39
HID2I	RSTCZ10	CON	1_LT_INC300	1	1	0	14.81
HID2I	RSTCZ10	CON	2_LT_MH100i	2	1	0	14.81
HID2I	SCHCZ10	CON	1_LT_INC300	1	1	0.01	2.88
HID2I	SCHCZ10	CON	2_LT_MH100i	2	1	0	2.88
HID2I	SMOCZ10	CON	1_LT_INC300	1	1	0	1.47
HID2I	SMOCZ10	CON	2_LT_MH100i	2	1	0.02	1.47
HID2I	WRHCZ10	CON	1_LT_INC300	1	1	0	0
HID2I	WRHCZ10	CON	2_LT_MH100i	2	1	0	0
HID1MV	COLCZ10	CON	1_LT_MV100	1	1	0	0.38
HID1MV	COLCZ10	CON	2_LT_MH70mv	2	1	0	0.38
HID1MV	GRCCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ10	CON	1_LT_MV100	1	1	0	5.42
HID1MV	HLTCZ10	CON	2_LT_MH70mv	2	1	0	5.42
HID1MV	LDGCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	LGOCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	MSCCZ10	CON	1_LT_MV100	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	REFCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	REFCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RETCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	RSTCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SCHCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ10	CON	1_LT_INC200	1	1	0	5.63
HID1I	COLCZ10	CON	2_LT_MH70i	2	1	0	5.63
HID1I	GRCCZ10	CON	1_LT_INC200	1	1	0.01	6.05
HID1I	GRCCZ10	CON	2_LT_MH70i	2	1	0	6.05
HID1I	HLTCZ10	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ10	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ10	CON	1_LT_INC200	1	1	0	239.48
HID1I	LDGCZ10	CON	2_LT_MH70i	2	1	0	239.48
HID1I	LGOCZ10	CON	1_LT_INC200	1	1	0.01	1.66
HID1I	LGOCZ10	CON	2_LT_MH70i	2	1	0	1.66
HID1I	MSCCZ10	CON	1_LT_INC200	1	1	0	143.65
HID1I	MSCCZ10	CON	2_LT_MH70i	2	1	0	143.65
HID1I	REFCZ10	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ10	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ10	CON	1_LT_INC200	1	1	0.01	58.59
HID1I	RETCZ10	CON	2_LT_MH70i	2	1	0	58.59
HID1I	RSTCZ10	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ10	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ10	CON	1_LT_INC200	1	1	0	5.35
HID1I	SCHCZ10	CON	2_LT_MH70i	2	1	0	5.35
HID1I	SMOCZ10	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ10	CON	2_LT_MH70i	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ10	CON	1_LT_INC200	1	1	0	4.02
HID1I	WRHCZ10	CON	2_LT_MH70i	2	1	0	4.02
HID13MV	COLCZ10	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	GRCCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	HLTCZ10	CON	1_LT_EXMV400	1	1	1	0.08
HID13MV	HLTCZ10	CON	2_LT_EXPS250mv	2	1	0	0.08
HID13MV	LDGCZ10	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	MSCCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	REFCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	REFCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RETCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	RETCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RSTCZ10	CON	1_LT_EXMV400	1	1	1	0.02
HID13MV	RSTCZ10	CON	2_LT_EXPS250mv	2	1	0	0.02
HID13MV	SCHCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	SCHCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ10	CON	1_LT_EXMV400	1	1	1	0.21
HID13MV	SMOCZ10	CON	2_LT_EXPS250mv	2	1	0	0.21
HID13MV	WRHCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	WRHCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13I	COLCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ10	CON	1_LT_EXINC700	1	1	0	0



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	MSCCZ10	CON	2_LT_EXPS250i	2	1	1	0
HID13I	REFCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	RETCZ10	CON	2_LT_EXPS250i	2	1	1	0
HID13I	RSTCZ10	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RSTCZ10	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	SCHCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ10	CON	1_LT_EXMV250	1	1	0	0
HID12MV	COLCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ10	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	GRCCZ10	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	HLTCZ10	CON	1_LT_EXMV250	1	1	1	0
HID12MV	HLTCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ10	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LDGCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ10	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	LGOCZ10	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	MSCCZ10	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	MSCCZ10	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	REFCZ10	CON	1_LT_EXMV250	1	1	1	0.02
HID12MV	REFCZ10	CON	2_LT_EXPS175mv	2	1	0	0.02
HID12MV	RETCZ10	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ10	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ10	CON	1_LT_EXMV250	1	1	1	0
HID12MV	RSTCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ10	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	SCHCZ10	CON	2_LT_EXPS175mv	2	1	0	0.01

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ10	CON	1_LT_EXMV250	1	1	1	0
HID12MV	SMOCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ10	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	GRCCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	HLTCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ10	CON	2_LT_EXPS175i	2	1	1	0
HID12I	REFCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ10	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ10	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ10	CON	1_LT_EXMV175	1	1	1	0.03
HID11MV	GRCCZ10	CON	2_LT_EXMH100mv	2	1	0	0.03
HID11MV	HLTCZ10	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	HLTCZ10	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	LDGCZ10	CON	1_LT_EXMV175	1	1	1	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ10	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ10	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	LGOCZ10	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	MSCCZ10	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	MSCCZ10	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	REFCZ10	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ10	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ10	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	RETCZ10	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	RSTCZ10	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	RSTCZ10	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	SCHCZ10	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	SCHCZ10	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	SMOCZ10	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	SMOCZ10	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	WRHCZ10	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	WRHCZ10	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11I	COLCZ10	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	COLCZ10	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	GRCCZ10	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	GRCCZ10	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	HLTCZ10	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	HLTCZ10	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	LDGCZ10	CON	1_LT_EXINC300	1	1	0.05	0.08
HID11I	LDGCZ10	CON	2_LT_EXMH100i	2	1	0.95	0.08
HID11I	LGOCZ10	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	LGOCZ10	CON	2_LT_EXMH100i	2	1	1	0.02
HID11I	MSCCZ10	CON	1_LT_EXINC300	1	1	0.02	0.02
HID11I	MSCCZ10	CON	2_LT_EXMH100i	2	1	0.98	0.02
HID11I	REFCZ10	CON	1_LT_EXINC300	1	1	0	0
HID11I	REFCZ10	CON	2_LT_EXMH100i	2	1	1	0
HID11I	RETCZ10	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ10	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ10	CON	1_LT_EXINC300	1	1	0	0.43
HID11I	RSTCZ10	CON	2_LT_EXMH100i	2	1	1	0.43

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ10	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	SCHCZ10	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	SMOCZ10	CON	1_LT_EXINC300	1	1	0.47	0.2
HID11I	SMOCZ10	CON	2_LT_EXMH100i	2	1	0.53	0.2
HID11I	WRHCZ10	CON	1_LT_EXINC300	1	1	0.53	0
HID11I	WRHCZ10	CON	2_LT_EXMH100i	2	1	0.47	0
FLUOR4A	COLCZ10	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	COLCZ10	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	GRCCZ10	CON	1_LT_8T12	1	1	0.58	2.68
FLUOR4A	GRCCZ10	CON	2_LT_8T82ndG	2	1	0.42	2.68
FLUOR4A	HLTCZ10	CON	1_LT_8T12	1	1	1	0.1
FLUOR4A	HLTCZ10	CON	2_LT_8T82ndG	2	1	0	0.1
FLUOR4A	LDGCZ10	CON	1_LT_8T12	1	1	0.97	0.03
FLUOR4A	LDGCZ10	CON	2_LT_8T82ndG	2	1	0.03	0.03
FLUOR4A	LGOCZ10	CON	1_LT_8T12	1	1	0.58	0.11
FLUOR4A	LGOCZ10	CON	2_LT_8T82ndG	2	1	0.42	0.11
FLUOR4A	MSCCZ10	CON	1_LT_8T12	1	1	1	1.38
FLUOR4A	MSCCZ10	CON	2_LT_8T82ndG	2	1	0	1.38
FLUOR4A	REFCZ10	CON	1_LT_8T12	1	1	1	0.39
FLUOR4A	REFCZ10	CON	2_LT_8T82ndG	2	1	0	0.39
FLUOR4A	RETCZ10	CON	1_LT_8T12	1	1	0.84	1.57
FLUOR4A	RETCZ10	CON	2_LT_8T82ndG	2	1	0.16	1.57
FLUOR4A	RSTCZ10	CON	1_LT_8T12	1	1	1	0.47
FLUOR4A	RSTCZ10	CON	2_LT_8T82ndG	2	1	0	0.47
FLUOR4A	SCHCZ10	CON	1_LT_8T12	1	1	0.61	0.43
FLUOR4A	SCHCZ10	CON	2_LT_8T82ndG	2	1	0.39	0.43
FLUOR4A	SMOCZ10	CON	1_LT_8T12	1	1	0.89	0.12
FLUOR4A	SMOCZ10	CON	2_LT_8T82ndG	2	1	0.11	0.12
FLUOR4A	WRHCZ10	CON	1_LT_8T12	1	1	0.95	0.95
FLUOR4A	WRHCZ10	CON	2_LT_8T82ndG	2	1	0.05	0.95
FLUOR1A	COLCZ10	CON	1_LT_4T12	1	1	0.18	8.7
FLUOR1A	COLCZ10	CON	2_LT_4T8_5	2	1	0.82	8.7
FLUOR1A	GRCCZ10	CON	1_LT_4T12	1	1	0.24	5.91
FLUOR1A	GRCCZ10	CON	2_LT_4T8_5	2	1	0.76	5.91
FLUOR1A	HLTCZ10	CON	1_LT_4T12	1	1	0.21	7.61

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ10	CON	2_LT_4T8_5	2	1	0.79	7.61
FLUOR1A	LDGCZ10	CON	1_LT_4T12	1	1	0.44	2.59
FLUOR1A	LDGCZ10	CON	2_LT_4T8_5	2	1	0.56	2.59
FLUOR1A	LGOCZ10	CON	1_LT_4T12	1	1	0.05	6.96
FLUOR1A	LGOCZ10	CON	2_LT_4T8_5	2	1	0.95	6.96
FLUOR1A	MSCCZ10	CON	1_LT_4T12	1	1	0.8	1.7
FLUOR1A	MSCCZ10	CON	2_LT_4T8_5	2	1	0.2	1.7
FLUOR1A	REFCZ10	CON	1_LT_4T12	1	1	0.28	0.86
FLUOR1A	REFCZ10	CON	2_LT_4T8_5	2	1	0.72	0.86
FLUOR1A	RETCZ10	CON	1_LT_4T12	1	1	0.28	4.68
FLUOR1A	RETCZ10	CON	2_LT_4T8_5	2	1	0.72	4.68
FLUOR1A	RSTCZ10	CON	1_LT_4T12	1	1	0.65	3.47
FLUOR1A	RSTCZ10	CON	2_LT_4T8_5	2	1	0.35	3.47
FLUOR1A	SCHCZ10	CON	1_LT_4T12	1	1	0.23	7.61
FLUOR1A	SCHCZ10	CON	2_LT_4T8_5	2	1	0.77	7.61
FLUOR1A	SMOCZ10	CON	1_LT_4T12	1	1	0.71	4.75
FLUOR1A	SMOCZ10	CON	2_LT_4T8_5	2	1	0.29	4.75
FLUOR1A	WRHCZ10	CON	1_LT_4T12	1	1	0.37	1.12
FLUOR1A	WRHCZ10	CON	2_LT_4T8_5	2	1	0.63	1.12
EXIT1	COLCZ10	RET	2_LT_EXLED	1	1	0.82	0.43
EXIT1	GRCCZ10	RET	2_LT_EXLED	1	1	0.32	0.36
EXIT1	HLTCZ10	RET	2_LT_EXLED	1	1	0.77	0.46
EXIT1	LDGCZ10	RET	2_LT_EXLED	1	1	0.19	0.4
EXIT1	LGOCZ10	RET	2_LT_EXLED	1	1	0.57	0.62
EXIT1	MSCCZ10	RET	2_LT_EXLED	1	1	0.4	0.52
EXIT1	REFCZ10	RET	2_LT_EXLED	1	1	0.21	0.05
EXIT1	RETCZ10	RET	2_LT_EXLED	1	1	0.25	0.32
EXIT1	RSTCZ10	RET	2_LT_EXLED	1	1	0.24	0.74
EXIT1	SCHCZ10	RET	2_LT_EXLED	1	1	0.48	0.46
EXIT1	SMOCZ10	RET	2_LT_EXLED	1	1	0.68	0.88
EXIT1	WRHCZ10	RET	2_LT_EXLED	1	1	0.54	0.17
DL1	COLCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	GRCCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	LDGCZ10	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ10	RET	2_LT_DLInst	1	0.12	0	25.59
DL1	MSCCZ10	RET	2_LT_DLInst	1	0	0	9.07
DL1	REFCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	RETCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ10	RET	2_LT_DLInst	1	0.02	0	29.39
DL1	WRHCZ10	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ13	RET	2_LT_RFLCSpec8	1	0	0	4.62
RFLC2	GRCCZ13	RET	2_LT_RFLCSpec8	1	0	0	0.97
RFLC2	HLTCZ13	RET	2_LT_RFLCSpec8	1	0	0	5.91
RFLC2	LDGCZ13	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ13	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ13	RET	2_LT_RFLCSpec8	1	0.01	0	3.6
RFLC2	REFCZ13	RET	2_LT_RFLCSpec8	1	0.02	0	1.64
RFLC2	RETCZ13	RET	2_LT_RFLCSpec8	1	0.05	0	2.82
RFLC2	RSTCZ13	RET	2_LT_RFLCSpec8	1	0	0	5
RFLC2	SCHCZ13	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	SMOCZ13	RET	2_LT_RFLCSpec8	1	0	0	3.87
RFLC2	WRHCZ13	RET	2_LT_RFLCSpec8	1	0.02	0	1.1
RFLC1	COLCZ13	RET	2_LT_RFLCSpec4	1	0.44	0	10.61
RFLC1	GRCCZ13	RET	2_LT_RFLCSpec4	1	0.34	0.02	5.85
RFLC1	HLTCZ13	RET	2_LT_RFLCSpec4	1	0.27	0.03	9
RFLC1	LDGCZ13	RET	2_LT_RFLCSpec4	1	0.07	0	2.85
RFLC1	LGOCZ13	RET	2_LT_RFLCSpec4	1	0.49	0.09	10.53
RFLC1	MSCCZ13	RET	2_LT_RFLCSpec4	1	0.13	0	9.68
RFLC1	REFCZ13	RET	2_LT_RFLCSpec4	1	0.32	0.01	4.62
RFLC1	RETCZ13	RET	2_LT_RFLCSpec4	1	0.32	0	8.33
RFLC1	RSTCZ13	RET	2_LT_RFLCSpec4	1	0.24	0	10.23
RFLC1	SCHCZ13	RET	2_LT_RFLCSpec4	1	0.29	0.06	13.07
RFLC1	SMOCZ13	RET	2_LT_RFLCSpec4	1	0.5	0	11.56
RFLC1	WRHCZ13	RET	2_LT_RFLCSpec4	1	0.18	0.01	5.8
PC1	COLCZ13	CON	1_LT_PCNoCtrl	1	1	0	0.58
PC1	COLCZ13	CON	2_LT_PCPC	2	1	0.76	0.58
PC1	COLCZ13	CON	3_LT_PCTC	3	1	0.08	0.58
PC1	COLCZ13	CON	4_LT_PCPT	4	1	0.02	0.58
PC1	GRCCZ13	CON	1_LT_PCNoCtrl	1	1	0	1.39
PC1	GRCCZ13	CON	2_LT_PCPC	2	1	0.38	1.39
PC1	GRCCZ13	CON	3_LT_PCTC	3	1	0.23	1.39
PC1	GRCCZ13	CON	4_LT_PCPT	4	1	0.05	1.39
PC1	HLTCZ13	CON	1_LT_PCNoCtrl	1	1	0.01	0.36
PC1	HLTCZ13	CON	2_LT_PCPC	2	1	0.59	0.36
PC1	HLTCZ13	CON	3_LT_PCTC	3	1	0.23	0.36

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ13	CON	4_LT_PCPT	4	1	0.03	0.36
PC1	LDGCZ13	CON	1_LT_PCNoCtrl	1	1	0	0.41
PC1	LDGCZ13	CON	2_LT_PCPC	2	1	0.5	0.41
PC1	LDGCZ13	CON	3_LT_PCTC	3	1	0.42	0.41
PC1	LDGCZ13	CON	4_LT_PCPT	4	1	0.07	0.41
PC1	LGOCZ13	CON	1_LT_PCNoCtrl	1	1	0.05	0.39
PC1	LGOCZ13	CON	2_LT_PCPC	2	1	0.29	0.39
PC1	LGOCZ13	CON	3_LT_PCTC	3	1	0.48	0.39
PC1	LGOCZ13	CON	4_LT_PCPT	4	1	0.09	0.39
PC1	MSCCZ13	CON	1_LT_PCNoCtrl	1	1	0	0.75
PC1	MSCCZ13	CON	2_LT_PCPC	2	1	0.1	0.75
PC1	MSCCZ13	CON	3_LT_PCTC	3	1	0.43	0.75
PC1	MSCCZ13	CON	4_LT_PCPT	4	1	0.01	0.75
PC1	REFCZ13	CON	1_LT_PCNoCtrl	1	1	0	0.21
PC1	REFCZ13	CON	2_LT_PCPC	2	1	0.49	0.21
PC1	REFCZ13	CON	3_LT_PCTC	3	1	0.23	0.21
PC1	REFCZ13	CON	4_LT_PCPT	4	1	0.09	0.21
PC1	RETCZ13	CON	1_LT_PCNoCtrl	1	1	0	1
PC1	RETCZ13	CON	2_LT_PCPC	2	1	0.22	1
PC1	RETCZ13	CON	3_LT_PCTC	3	1	0.42	1
PC1	RETCZ13	CON	4_LT_PCPT	4	1	0.05	1
PC1	RSTCZ13	CON	1_LT_PCNoCtrl	1	1	0	1.84
PC1	RSTCZ13	CON	2_LT_PCPC	2	1	0.32	1.84
PC1	RSTCZ13	CON	3_LT_PCTC	3	1	0.34	1.84
PC1	RSTCZ13	CON	4_LT_PCPT	4	1	0.02	1.84
PC1	SCHCZ13	CON	1_LT_PCNoCtrl	1	1	0.01	0.41
PC1	SCHCZ13	CON	2_LT_PCPC	2	1	0.42	0.41
PC1	SCHCZ13	CON	3_LT_PCTC	3	1	0.34	0.41
PC1	SCHCZ13	CON	4_LT_PCPT	4	1	0.2	0.41
PC1	SMOCZ13	CON	1_LT_PCNoCtrl	1	1	0	1.9
PC1	SMOCZ13	CON	2_LT_PCPC	2	1	0.17	1.9
PC1	SMOCZ13	CON	3_LT_PCTC	3	1	0.32	1.9
PC1	SMOCZ13	CON	4_LT_PCPT	4	1	0.02	1.9
PC1	WRHCZ13	CON	1_LT_PCNoCtrl	1	1	0	0.13
PC1	WRHCZ13	CON	2_LT_PCPC	2	1	0.53	0.13



SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ13	CON	3_LT_PCTC	3	1	0.31	0.13
PC1	WRHCZ13	CON	4_LT_PCPT	4	1	0.11	0.13
OCC2	COLCZ13	RET	2_LT_OCCPCDInst	1	0.67	0	3.65
OCC2	GRCCZ13	RET	2_LT_OCCPCDInst	1	0.43	0	0.57
OCC2	HLTCZ13	RET	2_LT_OCCPCDInst	1	0.46	0	2.86
OCC2	LDGCZ13	RET	2_LT_OCCPCDInst	1	0.22	0	2.88
OCC2	LGOCZ13	RET	2_LT_OCCPCDInst	1	0.79	0	3.78
OCC2	MSCCZ13	RET	2_LT_OCCPCDInst	1	0.7	0	1.16
OCC2	REFCZ13	RET	2_LT_OCCPCDInst	1	0.33	0	0.59
OCC2	RETCZ13	RET	2_LT_OCCPCDInst	1	0.43	0	1.15
OCC2	RSTCZ13	RET	2_LT_OCCPCDInst	1	0.24	0	0.85
OCC2	SCHCZ13	RET	2_LT_OCCPCDInst	1	0.7	0	3.4
OCC2	SMOCZ13	RET	2_LT_OCCPCDInst	1	0.8	0	3.92
OCC2	WRHCZ13	RET	2_LT_OCCPCDInst	1	0.38	0	1.13
OCC1	COLCZ13	RET	2_LT_OCCMS	1	0.6	0.04	2.55
OCC1	GRCCZ13	RET	2_LT_OCCMS	1	0.1	0	1.83
OCC1	HLTCZ13	RET	2_LT_OCCMS	1	0.18	0.01	2.02
OCC1	LDGCZ13	RET	2_LT_OCCMS	1	0.03	0	1.73
OCC1	LGOCZ13	RET	2_LT_OCCMS	1	0.52	0.08	2.17
OCC1	MSCCZ13	RET	2_LT_OCCMS	1	0.1	0	2.16
OCC1	REFCZ13	RET	2_LT_OCCMS	1	0.3	0	1.03
OCC1	RETCZ13	RET	2_LT_OCCMS	1	0.25	0.01	1.49
OCC1	RSTCZ13	RET	2_LT_OCCMS	1	0.05	0	1.84
OCC1	SCHCZ13	RET	2_LT_OCCMS	1	0.68	0.11	2.74
OCC1	SMOCZ13	RET	2_LT_OCCMS	1	0.65	0	3.09
OCC1	WRHCZ13	RET	2_LT_OCCMS	1	0.6	0.01	0.97
INCAN6	COLCZ13	CON	1_LT_IRIP60	1	1	0.74	0.09
INCAN6	COLCZ13	CON	2_LT_CRCP14s	2	1	0.26	0.09
INCAN6	GRCCZ13	CON	1_LT_IRIP60	1	1	0.99	0.83
INCAN6	GRCCZ13	CON	2_LT_CRCP14s	2	1	0.01	0.83
INCAN6	HLTCZ13	CON	1_LT_IRIP60	1	1	0.85	0.46
INCAN6	HLTCZ13	CON	2_LT_CRCP14s	2	1	0.15	0.46
INCAN6	LDGCZ13	CON	1_LT_IRIP60	1	1	0.43	0.35
INCAN6	LDGCZ13	CON	2_LT_CRCP14s	2	1	0.57	0.35
INCAN6	LGOCZ13	CON	1_LT_IRIP60	1	1	0.87	0.08

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ13	CON	2_LT_CRCP14s	2	1	0.13	0.08
INCAN6	MSCCZ13	CON	1_LT_IRIP60	1	1	1	1.09
INCAN6	MSCCZ13	CON	2_LT_CRCP14s	2	1	0	1.09
INCAN6	REFCZ13	CON	1_LT_IRIP60	1	1	0.97	0.02
INCAN6	REFCZ13	CON	2_LT_CRCP14s	2	1	0.03	0.02
INCAN6	RETCZ13	CON	1_LT_IRIP60	1	1	0.99	2.16
INCAN6	RETCZ13	CON	2_LT_CRCP14s	2	1	0.01	2.16
INCAN6	RSTCZ13	CON	1_LT_IRIP60	1	1	0.94	1.43
INCAN6	RSTCZ13	CON	2_LT_CRCP14s	2	1	0.06	1.43
INCAN6	SCHCZ13	CON	1_LT_IRIP60	1	1	0.92	0.06
INCAN6	SCHCZ13	CON	2_LT_CRCP14s	2	1	0.08	0.06
INCAN6	SMOCZ13	CON	1_LT_IRIP60	1	1	0.94	0.62
INCAN6	SMOCZ13	CON	2_LT_CRCP14s	2	1	0.06	0.62
INCAN6	WRHCZ13	CON	1_LT_IRIP60	1	1	0.94	0.01
INCAN6	WRHCZ13	CON	2_LT_CRCP14s	2	1	0.06	0.01
INCAN5	COLCZ13	CON	1_LT_INC120	1	1	0	0.31
INCAN5	COLCZ13	CON	2_LT_CFL38s	2	1	0	0.31
INCAN5	COLCZ13	CON	3_LT_CFL38p	3	1	1	0.31
INCAN5	GRCCZ13	CON	1_LT_INC120	1	1	1	0.11
INCAN5	GRCCZ13	CON	2_LT_CFL38s	2	1	0	0.11
INCAN5	GRCCZ13	CON	3_LT_CFL38p	3	1	0	0.11
INCAN5	HLTCZ13	CON	1_LT_INC120	1	1	0.04	0.92
INCAN5	HLTCZ13	CON	2_LT_CFL38s	2	1	0.3	0.92
INCAN5	HLTCZ13	CON	3_LT_CFL38p	3	1	0.66	0.92
INCAN5	LDGCZ13	CON	1_LT_INC120	1	1	0.4	1.8
INCAN5	LDGCZ13	CON	2_LT_CFL38s	2	1	0.39	1.8
INCAN5	LDGCZ13	CON	3_LT_CFL38p	3	1	0.21	1.8
INCAN5	LGOCZ13	CON	1_LT_INC120	1	1	0.07	0.1
INCAN5	LGOCZ13	CON	2_LT_CFL38s	2	1	0.36	0.1
INCAN5	LGOCZ13	CON	3_LT_CFL38p	3	1	0.57	0.1
INCAN5	MSCCZ13	CON	1_LT_INC120	1	1	0.97	1.54
INCAN5	MSCCZ13	CON	2_LT_CFL38s	2	1	0.03	1.54
INCAN5	MSCCZ13	CON	3_LT_CFL38p	3	1	0	1.54
INCAN5	REFCZ13	CON	1_LT_INC120	1	1	0	0
INCAN5	REFCZ13	CON	2_LT_CFL38s	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ13	CON	3_LT_CFL38p	3	1	0	0
INCAN5	RETCZ13	CON	1_LT_INC120	1	1	0.29	0.2
INCAN5	RETCZ13	CON	2_LT_CFL38s	2	1	0.71	0.2
INCAN5	RETCZ13	CON	3_LT_CFL38p	3	1	0	0.2
INCAN5	RSTCZ13	CON	1_LT_INC120	1	1	0.81	0.96
INCAN5	RSTCZ13	CON	2_LT_CFL38s	2	1	0.17	0.96
INCAN5	RSTCZ13	CON	3_LT_CFL38p	3	1	0.02	0.96
INCAN5	SCHCZ13	CON	1_LT_INC120	1	1	0.29	0.06
INCAN5	SCHCZ13	CON	2_LT_CFL38s	2	1	0.04	0.06
INCAN5	SCHCZ13	CON	3_LT_CFL38p	3	1	0.67	0.06
INCAN5	SMOCZ13	CON	1_LT_INC120	1	1	0.45	0.17
INCAN5	SMOCZ13	CON	2_LT_CFL38s	2	1	0.55	0.17
INCAN5	SMOCZ13	CON	3_LT_CFL38p	3	1	0	0.17
INCAN5	WRHCZ13	CON	1_LT_INC120	1	1	1	0.01
INCAN5	WRHCZ13	CON	2_LT_CFL38s	2	1	0	0.01
INCAN5	WRHCZ13	CON	3_LT_CFL38p	3	1	0	0.01
INCAN3	COLCZ13	CON	1_LT_INC75	1	1	0	0.21
INCAN3	COLCZ13	CON	2_LT_CFL20s	2	1	0.05	0.21
INCAN3	COLCZ13	CON	3_LT_CFL20p	3	1	0.95	0.21
INCAN3	GRCCZ13	CON	1_LT_INC75	1	1	0.21	0.36
INCAN3	GRCCZ13	CON	2_LT_CFL20s	2	1	0.64	0.36
INCAN3	GRCCZ13	CON	3_LT_CFL20p	3	1	0.15	0.36
INCAN3	HLTCZ13	CON	1_LT_INC75	1	1	0.25	0.77
INCAN3	HLTCZ13	CON	2_LT_CFL20s	2	1	0.45	0.77
INCAN3	HLTCZ13	CON	3_LT_CFL20p	3	1	0.3	0.77
INCAN3	LDGCZ13	CON	1_LT_INC75	1	1	0.11	4.85
INCAN3	LDGCZ13	CON	2_LT_CFL20s	2	1	0.69	4.85
INCAN3	LDGCZ13	CON	3_LT_CFL20p	3	1	0.2	4.85
INCAN3	LGOCZ13	CON	1_LT_INC75	1	1	0.18	0.51
INCAN3	LGOCZ13	CON	2_LT_CFL20s	2	1	0.36	0.51
INCAN3	LGOCZ13	CON	3_LT_CFL20p	3	1	0.45	0.51
INCAN3	MSCCZ13	CON	1_LT_INC75	1	1	0.09	0.6
INCAN3	MSCCZ13	CON	2_LT_CFL20s	2	1	0.07	0.6
INCAN3	MSCCZ13	CON	3_LT_CFL20p	3	1	0.85	0.6
INCAN3	REFCZ13	CON	1_LT_INC75	1	1	1	0.02

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ13	CON	2_LT_CFL20s	2	1	0	0.02
INCAN3	REFCZ13	CON	3_LT_CFL20p	3	1	0	0.02
INCAN3	RETCZ13	CON	1_LT_INC75	1	1	0.06	0.52
INCAN3	RETCZ13	CON	2_LT_CFL20s	2	1	0.41	0.52
INCAN3	RETCZ13	CON	3_LT_CFL20p	3	1	0.53	0.52
INCAN3	RSTCZ13	CON	1_LT_INC75	1	1	0.86	2.31
INCAN3	RSTCZ13	CON	2_LT_CFL20s	2	1	0.08	2.31
INCAN3	RSTCZ13	CON	3_LT_CFL20p	3	1	0.06	2.31
INCAN3	SCHCZ13	CON	1_LT_INC75	1	1	0.07	0.8
INCAN3	SCHCZ13	CON	2_LT_CFL20s	2	1	0.45	0.8
INCAN3	SCHCZ13	CON	3_LT_CFL20p	3	1	0.49	0.8
INCAN3	SMOCZ13	CON	1_LT_INC75	1	1	0.57	0.51
INCAN3	SMOCZ13	CON	2_LT_CFL20s	2	1	0.07	0.51
INCAN3	SMOCZ13	CON	3_LT_CFL20p	3	1	0.36	0.51
INCAN3	WRHCZ13	CON	1_LT_INC75	1	1	0.25	0.06
INCAN3	WRHCZ13	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ13	CON	3_LT_CFL20p	3	1	0.57	0.06
INCAN2	COLCZ13	CON	1_LT_INC60	1	1	0.48	0.59
INCAN2	COLCZ13	CON	2_LT_CFL15s	2	1	0.36	0.59
INCAN2	COLCZ13	CON	3_LT_CFL15p	3	1	0.16	0.59
INCAN2	GRCCZ13	CON	1_LT_INC60	1	1	0.67	0.45
INCAN2	GRCCZ13	CON	2_LT_CFL15s	2	1	0.21	0.45
INCAN2	GRCCZ13	CON	3_LT_CFL15p	3	1	0.12	0.45
INCAN2	HLTCZ13	CON	1_LT_INC60	1	1	0.39	1.81
INCAN2	HLTCZ13	CON	2_LT_CFL15s	2	1	0.34	1.81
INCAN2	HLTCZ13	CON	3_LT_CFL15p	3	1	0.27	1.81
INCAN2	LDGCZ13	CON	1_LT_INC60	1	1	0.42	4.61
INCAN2	LDGCZ13	CON	2_LT_CFL15s	2	1	0.39	4.61
INCAN2	LDGCZ13	CON	3_LT_CFL15p	3	1	0.19	4.61
INCAN2	LGOCZ13	CON	1_LT_INC60	1	1	0.34	0.4
INCAN2	LGOCZ13	CON	2_LT_CFL15s	2	1	0.23	0.4
INCAN2	LGOCZ13	CON	3_LT_CFL15p	3	1	0.42	0.4
INCAN2	MSCCZ13	CON	1_LT_INC60	1	1	0.86	0.16
INCAN2	MSCCZ13	CON	2_LT_CFL15s	2	1	0.02	0.16
INCAN2	MSCCZ13	CON	3_LT_CFL15p	3	1	0.12	0.16

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ13	CON	1_LT_INC60	1	1	0	0.01
INCAN2	REFCZ13	CON	2_LT_CFL15s	2	1	0.65	0.01
INCAN2	REFCZ13	CON	3_LT_CFL15p	3	1	0.35	0.01
INCAN2	RETCZ13	CON	1_LT_INC60	1	1	0.55	0.28
INCAN2	RETCZ13	CON	2_LT_CFL15s	2	1	0.37	0.28
INCAN2	RETCZ13	CON	3_LT_CFL15p	3	1	0.08	0.28
INCAN2	RSTCZ13	CON	1_LT_INC60	1	1	0.62	2.75
INCAN2	RSTCZ13	CON	2_LT_CFL15s	2	1	0.29	2.75
INCAN2	RSTCZ13	CON	3_LT_CFL15p	3	1	0.09	2.75
INCAN2	SCHCZ13	CON	1_LT_INC60	1	1	0.43	0.3
INCAN2	SCHCZ13	CON	2_LT_CFL15s	2	1	0.15	0.3
INCAN2	SCHCZ13	CON	3_LT_CFL15p	3	1	0.41	0.3
INCAN2	SMOCZ13	CON	1_LT_INC60	1	1	0.57	1.15
INCAN2	SMOCZ13	CON	2_LT_CFL15s	2	1	0.28	1.15
INCAN2	SMOCZ13	CON	3_LT_CFL15p	3	1	0.15	1.15
INCAN2	WRHCZ13	CON	1_LT_INC60	1	1	0.86	0.04
INCAN2	WRHCZ13	CON	2_LT_CFL15s	2	1	0.12	0.04
INCAN2	WRHCZ13	CON	3_LT_CFL15p	3	1	0.03	0.04
INCAN1	COLCZ13	CON	1_LT_INC40	1	1	1	0.03
INCAN1	COLCZ13	CON	2_LT_CFL10_5s	2	1	0	0.03
INCAN1	COLCZ13	CON	3_LT_CFL10_5p	3	1	0	0.03
INCAN1	GRCCZ13	CON	1_LT_INC40	1	1	1	0.05
INCAN1	GRCCZ13	CON	2_LT_CFL10_5s	2	1	0	0.05
INCAN1	GRCCZ13	CON	3_LT_CFL10_5p	3	1	0	0.05
INCAN1	HLTCZ13	CON	1_LT_INC40	1	1	0.77	0.4
INCAN1	HLTCZ13	CON	2_LT_CFL10_5s	2	1	0	0.4
INCAN1	HLTCZ13	CON	3_LT_CFL10_5p	3	1	0.23	0.4
INCAN1	LDGCZ13	CON	1_LT_INC40	1	1	0.6	2.92
INCAN1	LDGCZ13	CON	2_LT_CFL10_5s	2	1	0.14	2.92
INCAN1	LDGCZ13	CON	3_LT_CFL10_5p	3	1	0.26	2.92
INCAN1	LGOCZ13	CON	1_LT_INC40	1	1	0.21	0.08
INCAN1	LGOCZ13	CON	2_LT_CFL10_5s	2	1	0.52	0.08
INCAN1	LGOCZ13	CON	3_LT_CFL10_5p	3	1	0.27	0.08
INCAN1	MSCCZ13	CON	1_LT_INC40	1	1	0.8	0.04
INCAN1	MSCCZ13	CON	2_LT_CFL10_5s	2	1	0.09	0.04

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ13	CON	3_LT_CFL10_5p	3	1	0.11	0.04
INCAN1	REFCZ13	CON	1_LT_INC40	1	1	0	0
INCAN1	REFCZ13	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	REFCZ13	CON	3_LT_CFL10_5p	3	1	0	0
INCAN1	RETCZ13	CON	1_LT_INC40	1	1	0.98	0.09
INCAN1	RETCZ13	CON	2_LT_CFL10_5s	2	1	0.02	0.09
INCAN1	RETCZ13	CON	3_LT_CFL10_5p	3	1	0	0.09
INCAN1	RSTCZ13	CON	1_LT_INC40	1	1	0.73	1.25
INCAN1	RSTCZ13	CON	2_LT_CFL10_5s	2	1	0.27	1.25
INCAN1	RSTCZ13	CON	3_LT_CFL10_5p	3	1	0	1.25
INCAN1	SCHCZ13	CON	1_LT_INC40	1	1	1	0.01
INCAN1	SCHCZ13	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	SCHCZ13	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	SMOCZ13	CON	1_LT_INC40	1	1	1	0.18
INCAN1	SMOCZ13	CON	2_LT_CFL10_5s	2	1	0	0.18
INCAN1	SMOCZ13	CON	3_LT_CFL10_5p	3	1	0	0.18
INCAN1	WRHCZ13	CON	1_LT_INC40	1	1	1	0
INCAN1	WRHCZ13	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	WRHCZ13	CON	3_LT_CFL10_5p	3	1	0	0
HID6	COLCZ13	CON	1_LT_MH400	1	1	0	1.25
HID6	COLCZ13	CON	2_LT_PS320	2	1	0	1.25
HID6	COLCZ13	CON	3_LT_HIDT5HO	3	1	0	1.25
HID6	GRCCZ13	CON	1_LT_MH400	1	1	0	2.28
HID6	GRCCZ13	CON	2_LT_PS320	2	1	0	2.28
HID6	GRCCZ13	CON	3_LT_HIDT5HO	3	1	0	2.28
HID6	HLTCZ13	CON	1_LT_MH400	1	1	0	1.36
HID6	HLTCZ13	CON	2_LT_PS320	2	1	0	1.36
HID6	HLTCZ13	CON	3_LT_HIDT5HO	3	1	0	1.36
HID6	LDGCZ13	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ13	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ13	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ13	CON	1_LT_MH400	1	1	0.04	0.09
HID6	LGOCZ13	CON	2_LT_PS320	2	1	0	0.09
HID6	LGOCZ13	CON	3_LT_HIDT5HO	3	1	0	0.09
HID6	MSCCZ13	CON	1_LT_MH400	1	1	0.01	1.84

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ13	CON	2_LT_PS320	2	1	0	1.84
HID6	MSCCZ13	CON	3_LT_HIDT5HO	3	1	0	1.84
HID6	REFCZ13	CON	1_LT_MH400	1	1	0.06	10.98
HID6	REFCZ13	CON	2_LT_PS320	2	1	0	10.98
HID6	REFCZ13	CON	3_LT_HIDT5HO	3	1	0	10.98
HID6	RETCZ13	CON	1_LT_MH400	1	1	0.06	3.05
HID6	RETCZ13	CON	2_LT_PS320	2	1	0	3.05
HID6	RETCZ13	CON	3_LT_HIDT5HO	3	1	0	3.05
HID6	RSTCZ13	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ13	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ13	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ13	CON	1_LT_MH400	1	1	0.01	2.36
HID6	SCHCZ13	CON	2_LT_PS320	2	1	0	2.36
HID6	SCHCZ13	CON	3_LT_HIDT5HO	3	1	0	2.36
HID6	SMOCZ13	CON	1_LT_MH400	1	1	0	0
HID6	SMOCZ13	CON	2_LT_PS320	2	1	0	0
HID6	SMOCZ13	CON	3_LT_HIDT5HO	3	1	0	0
HID6	WRHCZ13	CON	1_LT_MH400	1	1	0.28	1.09
HID6	WRHCZ13	CON	2_LT_PS320	2	1	0	1.09
HID6	WRHCZ13	CON	3_LT_HIDT5HO	3	1	0	1.09
HID4MV	COLCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ13	CON	1_LT_MV400	1	1	0	3.63
HID4MV	MSCCZ13	CON	2_LT_MH250mv	2	1	0	3.63
HID4MV	REFCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	REFCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RETCZ13	CON	1_LT_MV400	1	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ13	CON	1_LT_MV400	1	1	0.01	2.08
HID4MV	SCHCZ13	CON	2_LT_MH250mv	2	1	0	2.08
HID4MV	SMOCZ13	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ13	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ13	CON	1_LT_MV400	1	1	0	18.68
HID4MV	WRHCZ13	CON	2_LT_MH250mv	2	1	0.01	18.68
HID4I	COLCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ13	CON	2_LT_MH250i	2	1	0.02	0.58
HID4I	GRCCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ13	CON	2_LT_MH250i	2	1	0.11	0.15
HID4I	HLTCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ13	CON	2_LT_MH250i	2	1	0	0
HID4I	LDGCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ13	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ13	CON	2_LT_MH250i	2	1	0.05	0.02
HID4I	MSCCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ13	CON	2_LT_MH250i	2	1	0	0.85
HID4I	REFCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ13	CON	2_LT_MH250i	2	1	0.03	4.37
HID4I	RETCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ13	CON	2_LT_MH250i	2	1	0.02	0.63
HID4I	RSTCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ13	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ13	CON	2_LT_MH250i	2	1	0	1.48
HID4I	SMOCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ13	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ13	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ13	CON	2_LT_MH250i	2	1	0.1	0.65
HID3MV	COLCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ13	CON	2_LT_MH175mv	2	1	0	0



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ13	CON	1_LT_MV250	1	1	0	0.17
HID3MV	LDGCZ13	CON	2_LT_MH175mv	2	1	0	0.17
HID3MV	LGOCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	LGOCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	MSCCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	MSCCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	REFCZ13	CON	1_LT_MV250	1	1	0.01	7.84
HID3MV	REFCZ13	CON	2_LT_MH175mv	2	1	0	7.84
HID3MV	RETCZ13	CON	1_LT_MV250	1	1	0.01	1.28
HID3MV	RETCZ13	CON	2_LT_MH175mv	2	1	0.01	1.28
HID3MV	RSTCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ13	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ13	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ13	CON	1_LT_MV250	1	1	0.02	0.25
HID3MV	WRHCZ13	CON	2_LT_MH175mv	2	1	0	0.25
HID3I	COLCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ13	CON	2_LT_MH175i	2	1	0	1.41
HID3I	GRCCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ13	CON	2_LT_MH175i	2	1	0	0
HID3I	HLTCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ13	CON	2_LT_MH175i	2	1	0	1.69
HID3I	LDGCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ13	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ13	CON	2_LT_MH175i	2	1	0.01	0.95
HID3I	MSCCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ13	CON	2_LT_MH175i	2	1	0.01	0.31
HID3I	REFCZ13	CON	1_LT_INC500i	1	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ13	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ13	CON	2_LT_MH175i	2	1	0.01	2.17
HID3I	RSTCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ13	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ13	CON	2_LT_MH175i	2	1	0.03	2.53
HID3I	SMOCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ13	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ13	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ13	CON	2_LT_MH175i	2	1	0.04	0.29
HID2MV	COLCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ13	CON	1_LT_MV175	1	1	0.01	4.55
HID2MV	GRCCZ13	CON	2_LT_MH100mv	2	1	0	4.55
HID2MV	HLTCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ13	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ13	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ13	CON	2_LT_MH100mv	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ13	CON	1_LT_INC300	1	1	0.02	4.17
HID2I	COLCZ13	CON	2_LT_MH100i	2	1	0	4.17
HID2I	GRCCZ13	CON	1_LT_INC300	1	1	0.03	4.52
HID2I	GRCCZ13	CON	2_LT_MH100i	2	1	0.01	4.52
HID2I	HLTCZ13	CON	1_LT_INC300	1	1	0	1.23
HID2I	HLTCZ13	CON	2_LT_MH100i	2	1	0	1.23
HID2I	LDGCZ13	CON	1_LT_INC300	1	1	0.04	2.49
HID2I	LDGCZ13	CON	2_LT_MH100i	2	1	0	2.49
HID2I	LGOCZ13	CON	1_LT_INC300	1	1	0	2.24
HID2I	LGOCZ13	CON	2_LT_MH100i	2	1	0	2.24
HID2I	MSCCZ13	CON	1_LT_INC300	1	1	0	2.06
HID2I	MSCCZ13	CON	2_LT_MH100i	2	1	0	2.06
HID2I	REFCZ13	CON	1_LT_INC300	1	1	0	0
HID2I	REFCZ13	CON	2_LT_MH100i	2	1	0	0
HID2I	RETCZ13	CON	1_LT_INC300	1	1	0.02	17.39
HID2I	RETCZ13	CON	2_LT_MH100i	2	1	0	17.39
HID2I	RSTCZ13	CON	1_LT_INC300	1	1	0	14.81
HID2I	RSTCZ13	CON	2_LT_MH100i	2	1	0	14.81
HID2I	SCHCZ13	CON	1_LT_INC300	1	1	0.01	2.88
HID2I	SCHCZ13	CON	2_LT_MH100i	2	1	0	2.88
HID2I	SMOCZ13	CON	1_LT_INC300	1	1	0	1.47
HID2I	SMOCZ13	CON	2_LT_MH100i	2	1	0.02	1.47
HID2I	WRHCZ13	CON	1_LT_INC300	1	1	0	0
HID2I	WRHCZ13	CON	2_LT_MH100i	2	1	0	0
HID1MV	COLCZ13	CON	1_LT_MV100	1	1	0	0.38
HID1MV	COLCZ13	CON	2_LT_MH70mv	2	1	0	0.38
HID1MV	GRCCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ13	CON	1_LT_MV100	1	1	0	5.42
HID1MV	HLTCZ13	CON	2_LT_MH70mv	2	1	0	5.42
HID1MV	LDGCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	LGOCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	MSCCZ13	CON	1_LT_MV100	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	REFCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	REFCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RETCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	RSTCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SCHCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ13	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ13	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ13	CON	1_LT_INC200	1	1	0	5.63
HID1I	COLCZ13	CON	2_LT_MH70i	2	1	0	5.63
HID1I	GRCCZ13	CON	1_LT_INC200	1	1	0.01	6.05
HID1I	GRCCZ13	CON	2_LT_MH70i	2	1	0	6.05
HID1I	HLTCZ13	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ13	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ13	CON	1_LT_INC200	1	1	0	239.48
HID1I	LDGCZ13	CON	2_LT_MH70i	2	1	0	239.48
HID1I	LGOCZ13	CON	1_LT_INC200	1	1	0.01	1.66
HID1I	LGOCZ13	CON	2_LT_MH70i	2	1	0	1.66
HID1I	MSCCZ13	CON	1_LT_INC200	1	1	0	143.65
HID1I	MSCCZ13	CON	2_LT_MH70i	2	1	0	143.65
HID1I	REFCZ13	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ13	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ13	CON	1_LT_INC200	1	1	0.01	58.59
HID1I	RETCZ13	CON	2_LT_MH70i	2	1	0	58.59
HID1I	RSTCZ13	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ13	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ13	CON	1_LT_INC200	1	1	0	5.35
HID1I	SCHCZ13	CON	2_LT_MH70i	2	1	0	5.35
HID1I	SMOCZ13	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ13	CON	2_LT_MH70i	2	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ13	CON	1_LT_INC200	1	1	0	4.02
HID1I	WRHCZ13	CON	2_LT_MH70i	2	1	0	4.02
HID13MV	COLCZ13	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ13	CON	1_LT_EXMV400	1	1	1	0
HID13MV	GRCCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	HLTCZ13	CON	1_LT_EXMV400	1	1	1	0.08
HID13MV	HLTCZ13	CON	2_LT_EXPS250mv	2	1	0	0.08
HID13MV	LDGCZ13	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ13	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ13	CON	1_LT_EXMV400	1	1	1	0
HID13MV	MSCCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	REFCZ13	CON	1_LT_EXMV400	1	1	1	0
HID13MV	REFCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RETCZ13	CON	1_LT_EXMV400	1	1	1	0
HID13MV	RETCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RSTCZ13	CON	1_LT_EXMV400	1	1	1	0.02
HID13MV	RSTCZ13	CON	2_LT_EXPS250mv	2	1	0	0.02
HID13MV	SCHCZ13	CON	1_LT_EXMV400	1	1	1	0
HID13MV	SCHCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ13	CON	1_LT_EXMV400	1	1	1	0.21
HID13MV	SMOCZ13	CON	2_LT_EXPS250mv	2	1	0	0.21
HID13MV	WRHCZ13	CON	1_LT_EXMV400	1	1	1	0
HID13MV	WRHCZ13	CON	2_LT_EXPS250mv	2	1	0	0
HID13I	COLCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ13	CON	1_LT_EXINC700	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	MSCCZ13	CON	2_LT_EXPS250i	2	1	1	0
HID13I	REFCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	RETCZ13	CON	2_LT_EXPS250i	2	1	1	0
HID13I	RSTCZ13	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RSTCZ13	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	SCHCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ13	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ13	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ13	CON	1_LT_EXMV250	1	1	0	0
HID12MV	COLCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ13	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	GRCCZ13	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	HLTCZ13	CON	1_LT_EXMV250	1	1	1	0
HID12MV	HLTCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ13	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LDGCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ13	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	LGOCZ13	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	MSCCZ13	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	MSCCZ13	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	REFCZ13	CON	1_LT_EXMV250	1	1	1	0.02
HID12MV	REFCZ13	CON	2_LT_EXPS175mv	2	1	0	0.02
HID12MV	RETCZ13	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ13	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ13	CON	1_LT_EXMV250	1	1	1	0
HID12MV	RSTCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ13	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	SCHCZ13	CON	2_LT_EXPS175mv	2	1	0	0.01

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ13	CON	1_LT_EXMV250	1	1	1	0
HID12MV	SMOCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ13	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ13	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	GRCCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	HLTCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ13	CON	2_LT_EXPS175i	2	1	1	0
HID12I	REFCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ13	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ13	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ13	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ13	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ13	CON	1_LT_EXMV175	1	1	1	0.03
HID11MV	GRCCZ13	CON	2_LT_EXMH100mv	2	1	0	0.03
HID11MV	HLTCZ13	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	HLTCZ13	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	LDGCZ13	CON	1_LT_EXMV175	1	1	1	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ13	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ13	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	LGOCZ13	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	MSCCZ13	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	MSCCZ13	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	REFCZ13	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ13	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ13	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	RETCZ13	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	RSTCZ13	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	RSTCZ13	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	SCHCZ13	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	SCHCZ13	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	SMOCZ13	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	SMOCZ13	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	WRHCZ13	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	WRHCZ13	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11I	COLCZ13	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	COLCZ13	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	GRCCZ13	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	GRCCZ13	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	HLTCZ13	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	HLTCZ13	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	LDGCZ13	CON	1_LT_EXINC300	1	1	0.05	0.08
HID11I	LDGCZ13	CON	2_LT_EXMH100i	2	1	0.95	0.08
HID11I	LGOCZ13	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	LGOCZ13	CON	2_LT_EXMH100i	2	1	1	0.02
HID11I	MSCCZ13	CON	1_LT_EXINC300	1	1	0.02	0.02
HID11I	MSCCZ13	CON	2_LT_EXMH100i	2	1	0.98	0.02
HID11I	REFCZ13	CON	1_LT_EXINC300	1	1	0	0
HID11I	REFCZ13	CON	2_LT_EXMH100i	2	1	1	0
HID11I	RETCZ13	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ13	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ13	CON	1_LT_EXINC300	1	1	0	0.43
HID11I	RSTCZ13	CON	2_LT_EXMH100i	2	1	1	0.43



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ13	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	SCHCZ13	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	SMOCZ13	CON	1_LT_EXINC300	1	1	0.47	0.2
HID11I	SMOCZ13	CON	2_LT_EXMH100i	2	1	0.53	0.2
HID11I	WRHCZ13	CON	1_LT_EXINC300	1	1	0.53	0
HID11I	WRHCZ13	CON	2_LT_EXMH100i	2	1	0.47	0
FLUOR4A	COLCZ13	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	COLCZ13	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	GRCCZ13	CON	1_LT_8T12	1	1	0.58	2.68
FLUOR4A	GRCCZ13	CON	2_LT_8T82ndG	2	1	0.42	2.68
FLUOR4A	HLTCZ13	CON	1_LT_8T12	1	1	1	0.1
FLUOR4A	HLTCZ13	CON	2_LT_8T82ndG	2	1	0	0.1
FLUOR4A	LDGCZ13	CON	1_LT_8T12	1	1	0.97	0.03
FLUOR4A	LDGCZ13	CON	2_LT_8T82ndG	2	1	0.03	0.03
FLUOR4A	LGOCZ13	CON	1_LT_8T12	1	1	0.58	0.11
FLUOR4A	LGOCZ13	CON	2_LT_8T82ndG	2	1	0.42	0.11
FLUOR4A	MSCCZ13	CON	1_LT_8T12	1	1	1	1.38
FLUOR4A	MSCCZ13	CON	2_LT_8T82ndG	2	1	0	1.38
FLUOR4A	REFCZ13	CON	1_LT_8T12	1	1	1	0.39
FLUOR4A	REFCZ13	CON	2_LT_8T82ndG	2	1	0	0.39
FLUOR4A	RETCZ13	CON	1_LT_8T12	1	1	0.84	1.57
FLUOR4A	RETCZ13	CON	2_LT_8T82ndG	2	1	0.16	1.57
FLUOR4A	RSTCZ13	CON	1_LT_8T12	1	1	1	0.47
FLUOR4A	RSTCZ13	CON	2_LT_8T82ndG	2	1	0	0.47
FLUOR4A	SCHCZ13	CON	1_LT_8T12	1	1	0.61	0.43
FLUOR4A	SCHCZ13	CON	2_LT_8T82ndG	2	1	0.39	0.43
FLUOR4A	SMOCZ13	CON	1_LT_8T12	1	1	0.89	0.12
FLUOR4A	SMOCZ13	CON	2_LT_8T82ndG	2	1	0.11	0.12
FLUOR4A	WRHCZ13	CON	1_LT_8T12	1	1	0.95	0.95
FLUOR4A	WRHCZ13	CON	2_LT_8T82ndG	2	1	0.05	0.95
FLUOR1A	COLCZ13	CON	1_LT_4T12	1	1	0.18	8.7
FLUOR1A	COLCZ13	CON	2_LT_4T8_5	2	1	0.82	8.7
FLUOR1A	GRCCZ13	CON	1_LT_4T12	1	1	0.24	5.91
FLUOR1A	GRCCZ13	CON	2_LT_4T8_5	2	1	0.76	5.91
FLUOR1A	HLTCZ13	CON	1_LT_4T12	1	1	0.21	7.61

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ13	CON	2_LT_4T8_5	2	1	0.79	7.61
FLUOR1A	LDGCZ13	CON	1_LT_4T12	1	1	0.44	2.59
FLUOR1A	LDGCZ13	CON	2_LT_4T8_5	2	1	0.56	2.59
FLUOR1A	LGOCZ13	CON	1_LT_4T12	1	1	0.05	6.96
FLUOR1A	LGOCZ13	CON	2_LT_4T8_5	2	1	0.95	6.96
FLUOR1A	MSCCZ13	CON	1_LT_4T12	1	1	0.8	1.7
FLUOR1A	MSCCZ13	CON	2_LT_4T8_5	2	1	0.2	1.7
FLUOR1A	REFCZ13	CON	1_LT_4T12	1	1	0.28	0.86
FLUOR1A	REFCZ13	CON	2_LT_4T8_5	2	1	0.72	0.86
FLUOR1A	RETCZ13	CON	1_LT_4T12	1	1	0.28	4.68
FLUOR1A	RETCZ13	CON	2_LT_4T8_5	2	1	0.72	4.68
FLUOR1A	RSTCZ13	CON	1_LT_4T12	1	1	0.65	3.47
FLUOR1A	RSTCZ13	CON	2_LT_4T8_5	2	1	0.35	3.47
FLUOR1A	SCHCZ13	CON	1_LT_4T12	1	1	0.23	7.61
FLUOR1A	SCHCZ13	CON	2_LT_4T8_5	2	1	0.77	7.61
FLUOR1A	SMOCZ13	CON	1_LT_4T12	1	1	0.71	4.75
FLUOR1A	SMOCZ13	CON	2_LT_4T8_5	2	1	0.29	4.75
FLUOR1A	WRHCZ13	CON	1_LT_4T12	1	1	0.37	1.12
FLUOR1A	WRHCZ13	CON	2_LT_4T8_5	2	1	0.63	1.12
EXIT1	COLCZ13	RET	2_LT_EXLED	1	1	0.82	0.43
EXIT1	GRCCZ13	RET	2_LT_EXLED	1	1	0.32	0.36
EXIT1	HLTCZ13	RET	2_LT_EXLED	1	1	0.77	0.46
EXIT1	LDGCZ13	RET	2_LT_EXLED	1	1	0.19	0.4
EXIT1	LGOCZ13	RET	2_LT_EXLED	1	1	0.57	0.62
EXIT1	MSCCZ13	RET	2_LT_EXLED	1	1	0.4	0.52
EXIT1	REFCZ13	RET	2_LT_EXLED	1	1	0.21	0.05
EXIT1	RETCZ13	RET	2_LT_EXLED	1	1	0.25	0.32
EXIT1	RSTCZ13	RET	2_LT_EXLED	1	1	0.24	0.74
EXIT1	SCHCZ13	RET	2_LT_EXLED	1	1	0.48	0.46
EXIT1	SMOCZ13	RET	2_LT_EXLED	1	1	0.68	0.88
EXIT1	WRHCZ13	RET	2_LT_EXLED	1	1	0.54	0.17
DL1	COLCZ13	RET	2_LT_DLInst	1	0	0	0
DL1	GRCCZ13	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ13	RET	2_LT_DLInst	1	0	0	0
DL1	LDGCZ13	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ13	RET	2_LT_DLInst	1	0.12	0	25.59
DL1	MSCCZ13	RET	2_LT_DLInst	1	0	0	9.07
DL1	REFCZ13	RET	2_LT_DLInst	1	0	0	0
DL1	RETCZ13	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ13	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ13	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ13	RET	2_LT_DLInst	1	0.02	0	29.39
DL1	WRHCZ13	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ14	RET	2_LT_RFLCSpec8	1	0	0	4.62
RFLC2	GRCCZ14	RET	2_LT_RFLCSpec8	1	0	0	0.97
RFLC2	HLTCZ14	RET	2_LT_RFLCSpec8	1	0	0	5.91
RFLC2	LDGCZ14	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ14	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ14	RET	2_LT_RFLCSpec8	1	0.01	0	3.6
RFLC2	REFCZ14	RET	2_LT_RFLCSpec8	1	0.02	0	1.64
RFLC2	RETCZ14	RET	2_LT_RFLCSpec8	1	0.05	0	2.82
RFLC2	RSTCZ14	RET	2_LT_RFLCSpec8	1	0	0	5
RFLC2	SCHCZ14	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	SMOCZ14	RET	2_LT_RFLCSpec8	1	0	0	3.87
RFLC2	WRHCZ14	RET	2_LT_RFLCSpec8	1	0.02	0	1.1
RFLC1	COLCZ14	RET	2_LT_RFLCSpec4	1	0.44	0	10.61
RFLC1	GRCCZ14	RET	2_LT_RFLCSpec4	1	0.34	0.02	5.85
RFLC1	HLTCZ14	RET	2_LT_RFLCSpec4	1	0.27	0.03	9
RFLC1	LDGCZ14	RET	2_LT_RFLCSpec4	1	0.07	0	2.85
RFLC1	LGOCZ14	RET	2_LT_RFLCSpec4	1	0.49	0.09	10.53
RFLC1	MSCCZ14	RET	2_LT_RFLCSpec4	1	0.13	0	9.68
RFLC1	REFCZ14	RET	2_LT_RFLCSpec4	1	0.32	0.01	4.62
RFLC1	RETCZ14	RET	2_LT_RFLCSpec4	1	0.32	0	8.33
RFLC1	RSTCZ14	RET	2_LT_RFLCSpec4	1	0.24	0	10.23
RFLC1	SCHCZ14	RET	2_LT_RFLCSpec4	1	0.29	0.06	13.07
RFLC1	SMOCZ14	RET	2_LT_RFLCSpec4	1	0.5	0	11.56
RFLC1	WRHCZ14	RET	2_LT_RFLCSpec4	1	0.18	0.01	5.8
PC1	COLCZ14	CON	1_LT_PCNoCtrl	1	1	0	0.58
PC1	COLCZ14	CON	2_LT_PCPC	2	1	0.76	0.58
PC1	COLCZ14	CON	3_LT_PCTC	3	1	0.08	0.58
PC1	COLCZ14	CON	4_LT_PCPT	4	1	0.02	0.58
PC1	GRCCZ14	CON	1_LT_PCNoCtrl	1	1	0	1.39
PC1	GRCCZ14	CON	2_LT_PCPC	2	1	0.38	1.39
PC1	GRCCZ14	CON	3_LT_PCTC	3	1	0.23	1.39
PC1	GRCCZ14	CON	4_LT_PCPT	4	1	0.05	1.39
PC1	HLTCZ14	CON	1_LT_PCNoCtrl	1	1	0.01	0.36
PC1	HLTCZ14	CON	2_LT_PCPC	2	1	0.59	0.36
PC1	HLTCZ14	CON	3_LT_PCTC	3	1	0.23	0.36

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ14	CON	4_LT_PCPT	4	1	0.03	0.36
PC1	LDGCZ14	CON	1_LT_PCNoCtrl	1	1	0	0.41
PC1	LDGCZ14	CON	2_LT_PCPC	2	1	0.5	0.41
PC1	LDGCZ14	CON	3_LT_PCTC	3	1	0.42	0.41
PC1	LDGCZ14	CON	4_LT_PCPT	4	1	0.07	0.41
PC1	LGOCZ14	CON	1_LT_PCNoCtrl	1	1	0.05	0.39
PC1	LGOCZ14	CON	2_LT_PCPC	2	1	0.29	0.39
PC1	LGOCZ14	CON	3_LT_PCTC	3	1	0.48	0.39
PC1	LGOCZ14	CON	4_LT_PCPT	4	1	0.09	0.39
PC1	MSCCZ14	CON	1_LT_PCNoCtrl	1	1	0	0.75
PC1	MSCCZ14	CON	2_LT_PCPC	2	1	0.1	0.75
PC1	MSCCZ14	CON	3_LT_PCTC	3	1	0.43	0.75
PC1	MSCCZ14	CON	4_LT_PCPT	4	1	0.01	0.75
PC1	REFCZ14	CON	1_LT_PCNoCtrl	1	1	0	0.21
PC1	REFCZ14	CON	2_LT_PCPC	2	1	0.49	0.21
PC1	REFCZ14	CON	3_LT_PCTC	3	1	0.23	0.21
PC1	REFCZ14	CON	4_LT_PCPT	4	1	0.09	0.21
PC1	RETCZ14	CON	1_LT_PCNoCtrl	1	1	0	1
PC1	RETCZ14	CON	2_LT_PCPC	2	1	0.22	1
PC1	RETCZ14	CON	3_LT_PCTC	3	1	0.42	1
PC1	RETCZ14	CON	4_LT_PCPT	4	1	0.05	1
PC1	RSTCZ14	CON	1_LT_PCNoCtrl	1	1	0	1.84
PC1	RSTCZ14	CON	2_LT_PCPC	2	1	0.32	1.84
PC1	RSTCZ14	CON	3_LT_PCTC	3	1	0.34	1.84
PC1	RSTCZ14	CON	4_LT_PCPT	4	1	0.02	1.84
PC1	SCHCZ14	CON	1_LT_PCNoCtrl	1	1	0.01	0.41
PC1	SCHCZ14	CON	2_LT_PCPC	2	1	0.42	0.41
PC1	SCHCZ14	CON	3_LT_PCTC	3	1	0.34	0.41
PC1	SCHCZ14	CON	4_LT_PCPT	4	1	0.2	0.41
PC1	SMOCZ14	CON	1_LT_PCNoCtrl	1	1	0	1.9
PC1	SMOCZ14	CON	2_LT_PCPC	2	1	0.17	1.9
PC1	SMOCZ14	CON	3_LT_PCTC	3	1	0.32	1.9
PC1	SMOCZ14	CON	4_LT_PCPT	4	1	0.02	1.9
PC1	WRHCZ14	CON	1_LT_PCNoCtrl	1	1	0	0.13
PC1	WRHCZ14	CON	2_LT_PCPC	2	1	0.53	0.13

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ14	CON	3_LT_PCTC	3	1	0.31	0.13
PC1	WRHCZ14	CON	4_LT_PCPT	4	1	0.11	0.13
OCC2	COLCZ14	RET	2_LT_OCCPCDInst	1	0.67	0	3.65
OCC2	GRCCZ14	RET	2_LT_OCCPCDInst	1	0.43	0	0.57
OCC2	HLTCZ14	RET	2_LT_OCCPCDInst	1	0.46	0	2.86
OCC2	LDGCZ14	RET	2_LT_OCCPCDInst	1	0.22	0	2.88
OCC2	LGOCZ14	RET	2_LT_OCCPCDInst	1	0.79	0	3.78
OCC2	MSCCZ14	RET	2_LT_OCCPCDInst	1	0.7	0	1.16
OCC2	REFCZ14	RET	2_LT_OCCPCDInst	1	0.33	0	0.59
OCC2	RETCZ14	RET	2_LT_OCCPCDInst	1	0.43	0	1.15
OCC2	RSTCZ14	RET	2_LT_OCCPCDInst	1	0.24	0	0.85
OCC2	SCHCZ14	RET	2_LT_OCCPCDInst	1	0.7	0	3.4
OCC2	SMOCZ14	RET	2_LT_OCCPCDInst	1	0.8	0	3.92
OCC2	WRHCZ14	RET	2_LT_OCCPCDInst	1	0.38	0	1.13
OCC1	COLCZ14	RET	2_LT_OCCMS	1	0.6	0.04	2.55
OCC1	GRCCZ14	RET	2_LT_OCCMS	1	0.1	0	1.83
OCC1	HLTCZ14	RET	2_LT_OCCMS	1	0.18	0.01	2.02
OCC1	LDGCZ14	RET	2_LT_OCCMS	1	0.03	0	1.73
OCC1	LGOCZ14	RET	2_LT_OCCMS	1	0.52	0.08	2.17
OCC1	MSCCZ14	RET	2_LT_OCCMS	1	0.1	0	2.16
OCC1	REFCZ14	RET	2_LT_OCCMS	1	0.3	0	1.03
OCC1	RETCZ14	RET	2_LT_OCCMS	1	0.25	0.01	1.49
OCC1	RSTCZ14	RET	2_LT_OCCMS	1	0.05	0	1.84
OCC1	SCHCZ14	RET	2_LT_OCCMS	1	0.68	0.11	2.74
OCC1	SMOCZ14	RET	2_LT_OCCMS	1	0.65	0	3.09
OCC1	WRHCZ14	RET	2_LT_OCCMS	1	0.6	0.01	0.97
INCAN6	COLCZ14	CON	1_LT_IRIP60	1	1	0.74	0.09
INCAN6	COLCZ14	CON	2_LT_CRCP14s	2	1	0.26	0.09
INCAN6	GRCCZ14	CON	1_LT_IRIP60	1	1	0.99	0.83
INCAN6	GRCCZ14	CON	2_LT_CRCP14s	2	1	0.01	0.83
INCAN6	HLTCZ14	CON	1_LT_IRIP60	1	1	0.85	0.46
INCAN6	HLTCZ14	CON	2_LT_CRCP14s	2	1	0.15	0.46
INCAN6	LDGCZ14	CON	1_LT_IRIP60	1	1	0.43	0.35
INCAN6	LDGCZ14	CON	2_LT_CRCP14s	2	1	0.57	0.35
INCAN6	LGOCZ14	CON	1_LT_IRIP60	1	1	0.87	0.08

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ14	CON	2_LT_CRCP14s	2	1	0.13	0.08
INCAN6	MSCCZ14	CON	1_LT_IRIP60	1	1	1	1.09
INCAN6	MSCCZ14	CON	2_LT_CRCP14s	2	1	0	1.09
INCAN6	REFCZ14	CON	1_LT_IRIP60	1	1	0.97	0.02
INCAN6	REFCZ14	CON	2_LT_CRCP14s	2	1	0.03	0.02
INCAN6	RETCZ14	CON	1_LT_IRIP60	1	1	0.99	2.16
INCAN6	RETCZ14	CON	2_LT_CRCP14s	2	1	0.01	2.16
INCAN6	RSTCZ14	CON	1_LT_IRIP60	1	1	0.94	1.43
INCAN6	RSTCZ14	CON	2_LT_CRCP14s	2	1	0.06	1.43
INCAN6	SCHCZ14	CON	1_LT_IRIP60	1	1	0.92	0.06
INCAN6	SCHCZ14	CON	2_LT_CRCP14s	2	1	0.08	0.06
INCAN6	SMOCZ14	CON	1_LT_IRIP60	1	1	0.94	0.62
INCAN6	SMOCZ14	CON	2_LT_CRCP14s	2	1	0.06	0.62
INCAN6	WRHCZ14	CON	1_LT_IRIP60	1	1	0.94	0.01
INCAN6	WRHCZ14	CON	2_LT_CRCP14s	2	1	0.06	0.01
INCAN5	COLCZ14	CON	1_LT_INC120	1	1	0	0.31
INCAN5	COLCZ14	CON	2_LT_CFL38s	2	1	0	0.31
INCAN5	COLCZ14	CON	3_LT_CFL38p	3	1	1	0.31
INCAN5	GRCCZ14	CON	1_LT_INC120	1	1	1	0.11
INCAN5	GRCCZ14	CON	2_LT_CFL38s	2	1	0	0.11
INCAN5	GRCCZ14	CON	3_LT_CFL38p	3	1	0	0.11
INCAN5	HLTCZ14	CON	1_LT_INC120	1	1	0.04	0.92
INCAN5	HLTCZ14	CON	2_LT_CFL38s	2	1	0.3	0.92
INCAN5	HLTCZ14	CON	3_LT_CFL38p	3	1	0.66	0.92
INCAN5	LDGCZ14	CON	1_LT_INC120	1	1	0.4	1.8
INCAN5	LDGCZ14	CON	2_LT_CFL38s	2	1	0.39	1.8
INCAN5	LDGCZ14	CON	3_LT_CFL38p	3	1	0.21	1.8
INCAN5	LGOCZ14	CON	1_LT_INC120	1	1	0.07	0.1
INCAN5	LGOCZ14	CON	2_LT_CFL38s	2	1	0.36	0.1
INCAN5	LGOCZ14	CON	3_LT_CFL38p	3	1	0.57	0.1
INCAN5	MSCCZ14	CON	1_LT_INC120	1	1	0.97	1.54
INCAN5	MSCCZ14	CON	2_LT_CFL38s	2	1	0.03	1.54
INCAN5	MSCCZ14	CON	3_LT_CFL38p	3	1	0	1.54
INCAN5	REFCZ14	CON	1_LT_INC120	1	1	0	0
INCAN5	REFCZ14	CON	2_LT_CFL38s	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ14	CON	3_LT_CFL38p	3	1	0	0
INCAN5	RETCZ14	CON	1_LT_INC120	1	1	0.29	0.2
INCAN5	RETCZ14	CON	2_LT_CFL38s	2	1	0.71	0.2
INCAN5	RETCZ14	CON	3_LT_CFL38p	3	1	0	0.2
INCAN5	RSTCZ14	CON	1_LT_INC120	1	1	0.81	0.96
INCAN5	RSTCZ14	CON	2_LT_CFL38s	2	1	0.17	0.96
INCAN5	RSTCZ14	CON	3_LT_CFL38p	3	1	0.02	0.96
INCAN5	SCHCZ14	CON	1_LT_INC120	1	1	0.29	0.06
INCAN5	SCHCZ14	CON	2_LT_CFL38s	2	1	0.04	0.06
INCAN5	SCHCZ14	CON	3_LT_CFL38p	3	1	0.67	0.06
INCAN5	SMOCZ14	CON	1_LT_INC120	1	1	0.45	0.17
INCAN5	SMOCZ14	CON	2_LT_CFL38s	2	1	0.55	0.17
INCAN5	SMOCZ14	CON	3_LT_CFL38p	3	1	0	0.17
INCAN5	WRHCZ14	CON	1_LT_INC120	1	1	1	0.01
INCAN5	WRHCZ14	CON	2_LT_CFL38s	2	1	0	0.01
INCAN5	WRHCZ14	CON	3_LT_CFL38p	3	1	0	0.01
INCAN3	COLCZ14	CON	1_LT_INC75	1	1	0	0.21
INCAN3	COLCZ14	CON	2_LT_CFL20s	2	1	0.05	0.21
INCAN3	COLCZ14	CON	3_LT_CFL20p	3	1	0.95	0.21
INCAN3	GRCCZ14	CON	1_LT_INC75	1	1	0.21	0.36
INCAN3	GRCCZ14	CON	2_LT_CFL20s	2	1	0.64	0.36
INCAN3	GRCCZ14	CON	3_LT_CFL20p	3	1	0.15	0.36
INCAN3	HLTCZ14	CON	1_LT_INC75	1	1	0.25	0.77
INCAN3	HLTCZ14	CON	2_LT_CFL20s	2	1	0.45	0.77
INCAN3	HLTCZ14	CON	3_LT_CFL20p	3	1	0.3	0.77
INCAN3	LDGCZ14	CON	1_LT_INC75	1	1	0.11	4.85
INCAN3	LDGCZ14	CON	2_LT_CFL20s	2	1	0.69	4.85
INCAN3	LDGCZ14	CON	3_LT_CFL20p	3	1	0.2	4.85
INCAN3	LGOCZ14	CON	1_LT_INC75	1	1	0.18	0.51
INCAN3	LGOCZ14	CON	2_LT_CFL20s	2	1	0.36	0.51
INCAN3	LGOCZ14	CON	3_LT_CFL20p	3	1	0.45	0.51
INCAN3	MSCCZ14	CON	1_LT_INC75	1	1	0.09	0.6
INCAN3	MSCCZ14	CON	2_LT_CFL20s	2	1	0.07	0.6
INCAN3	MSCCZ14	CON	3_LT_CFL20p	3	1	0.85	0.6
INCAN3	REFCZ14	CON	1_LT_INC75	1	1	1	0.02



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ14	CON	2_LT_CFL20s	2	1	0	0.02
INCAN3	REFCZ14	CON	3_LT_CFL20p	3	1	0	0.02
INCAN3	RETCZ14	CON	1_LT_INC75	1	1	0.06	0.52
INCAN3	RETCZ14	CON	2_LT_CFL20s	2	1	0.41	0.52
INCAN3	RETCZ14	CON	3_LT_CFL20p	3	1	0.53	0.52
INCAN3	RSTCZ14	CON	1_LT_INC75	1	1	0.86	2.31
INCAN3	RSTCZ14	CON	2_LT_CFL20s	2	1	0.08	2.31
INCAN3	RSTCZ14	CON	3_LT_CFL20p	3	1	0.06	2.31
INCAN3	SCHCZ14	CON	1_LT_INC75	1	1	0.07	0.8
INCAN3	SCHCZ14	CON	2_LT_CFL20s	2	1	0.45	0.8
INCAN3	SCHCZ14	CON	3_LT_CFL20p	3	1	0.49	0.8
INCAN3	SMOCZ14	CON	1_LT_INC75	1	1	0.57	0.51
INCAN3	SMOCZ14	CON	2_LT_CFL20s	2	1	0.07	0.51
INCAN3	SMOCZ14	CON	3_LT_CFL20p	3	1	0.36	0.51
INCAN3	WRHCZ14	CON	1_LT_INC75	1	1	0.25	0.06
INCAN3	WRHCZ14	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ14	CON	3_LT_CFL20p	3	1	0.57	0.06
INCAN2	COLCZ14	CON	1_LT_INC60	1	1	0.48	0.59
INCAN2	COLCZ14	CON	2_LT_CFL15s	2	1	0.36	0.59
INCAN2	COLCZ14	CON	3_LT_CFL15p	3	1	0.16	0.59
INCAN2	GRCCZ14	CON	1_LT_INC60	1	1	0.67	0.45
INCAN2	GRCCZ14	CON	2_LT_CFL15s	2	1	0.21	0.45
INCAN2	GRCCZ14	CON	3_LT_CFL15p	3	1	0.12	0.45
INCAN2	HLTCZ14	CON	1_LT_INC60	1	1	0.39	1.81
INCAN2	HLTCZ14	CON	2_LT_CFL15s	2	1	0.34	1.81
INCAN2	HLTCZ14	CON	3_LT_CFL15p	3	1	0.27	1.81
INCAN2	LDGCZ14	CON	1_LT_INC60	1	1	0.42	4.61
INCAN2	LDGCZ14	CON	2_LT_CFL15s	2	1	0.39	4.61
INCAN2	LDGCZ14	CON	3_LT_CFL15p	3	1	0.19	4.61
INCAN2	LGOCZ14	CON	1_LT_INC60	1	1	0.34	0.4
INCAN2	LGOCZ14	CON	2_LT_CFL15s	2	1	0.23	0.4
INCAN2	LGOCZ14	CON	3_LT_CFL15p	3	1	0.42	0.4
INCAN2	MSCCZ14	CON	1_LT_INC60	1	1	0.86	0.16
INCAN2	MSCCZ14	CON	2_LT_CFL15s	2	1	0.02	0.16
INCAN2	MSCCZ14	CON	3_LT_CFL15p	3	1	0.12	0.16

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ14	CON	1_LT_INC60	1	1	0	0.01
INCAN2	REFCZ14	CON	2_LT_CFL15s	2	1	0.65	0.01
INCAN2	REFCZ14	CON	3_LT_CFL15p	3	1	0.35	0.01
INCAN2	RETCZ14	CON	1_LT_INC60	1	1	0.55	0.28
INCAN2	RETCZ14	CON	2_LT_CFL15s	2	1	0.37	0.28
INCAN2	RETCZ14	CON	3_LT_CFL15p	3	1	0.08	0.28
INCAN2	RSTCZ14	CON	1_LT_INC60	1	1	0.62	2.75
INCAN2	RSTCZ14	CON	2_LT_CFL15s	2	1	0.29	2.75
INCAN2	RSTCZ14	CON	3_LT_CFL15p	3	1	0.09	2.75
INCAN2	SCHCZ14	CON	1_LT_INC60	1	1	0.43	0.3
INCAN2	SCHCZ14	CON	2_LT_CFL15s	2	1	0.15	0.3
INCAN2	SCHCZ14	CON	3_LT_CFL15p	3	1	0.41	0.3
INCAN2	SMOCZ14	CON	1_LT_INC60	1	1	0.57	1.15
INCAN2	SMOCZ14	CON	2_LT_CFL15s	2	1	0.28	1.15
INCAN2	SMOCZ14	CON	3_LT_CFL15p	3	1	0.15	1.15
INCAN2	WRHCZ14	CON	1_LT_INC60	1	1	0.86	0.04
INCAN2	WRHCZ14	CON	2_LT_CFL15s	2	1	0.12	0.04
INCAN2	WRHCZ14	CON	3_LT_CFL15p	3	1	0.03	0.04
INCAN1	COLCZ14	CON	1_LT_INC40	1	1	1	0.03
INCAN1	COLCZ14	CON	2_LT_CFL10_5s	2	1	0	0.03
INCAN1	COLCZ14	CON	3_LT_CFL10_5p	3	1	0	0.03
INCAN1	GRCCZ14	CON	1_LT_INC40	1	1	1	0.05
INCAN1	GRCCZ14	CON	2_LT_CFL10_5s	2	1	0	0.05
INCAN1	GRCCZ14	CON	3_LT_CFL10_5p	3	1	0	0.05
INCAN1	HLTCZ14	CON	1_LT_INC40	1	1	0.77	0.4
INCAN1	HLTCZ14	CON	2_LT_CFL10_5s	2	1	0	0.4
INCAN1	HLTCZ14	CON	3_LT_CFL10_5p	3	1	0.23	0.4
INCAN1	LDGCZ14	CON	1_LT_INC40	1	1	0.6	2.92
INCAN1	LDGCZ14	CON	2_LT_CFL10_5s	2	1	0.14	2.92
INCAN1	LDGCZ14	CON	3_LT_CFL10_5p	3	1	0.26	2.92
INCAN1	LGOCZ14	CON	1_LT_INC40	1	1	0.21	0.08
INCAN1	LGOCZ14	CON	2_LT_CFL10_5s	2	1	0.52	0.08
INCAN1	LGOCZ14	CON	3_LT_CFL10_5p	3	1	0.27	0.08
INCAN1	MSCCZ14	CON	1_LT_INC40	1	1	0.8	0.04
INCAN1	MSCCZ14	CON	2_LT_CFL10_5s	2	1	0.09	0.04

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ14	CON	3_LT_CFL10_5p	3	1	0.11	0.04
INCAN1	REFCZ14	CON	1_LT_INC40	1	1	0	0
INCAN1	REFCZ14	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	REFCZ14	CON	3_LT_CFL10_5p	3	1	0	0
INCAN1	RETCZ14	CON	1_LT_INC40	1	1	0.98	0.09
INCAN1	RETCZ14	CON	2_LT_CFL10_5s	2	1	0.02	0.09
INCAN1	RETCZ14	CON	3_LT_CFL10_5p	3	1	0	0.09
INCAN1	RSTCZ14	CON	1_LT_INC40	1	1	0.73	1.25
INCAN1	RSTCZ14	CON	2_LT_CFL10_5s	2	1	0.27	1.25
INCAN1	RSTCZ14	CON	3_LT_CFL10_5p	3	1	0	1.25
INCAN1	SCHCZ14	CON	1_LT_INC40	1	1	1	0.01
INCAN1	SCHCZ14	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	SCHCZ14	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	SMOCZ14	CON	1_LT_INC40	1	1	1	0.18
INCAN1	SMOCZ14	CON	2_LT_CFL10_5s	2	1	0	0.18
INCAN1	SMOCZ14	CON	3_LT_CFL10_5p	3	1	0	0.18
INCAN1	WRHCZ14	CON	1_LT_INC40	1	1	1	0
INCAN1	WRHCZ14	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	WRHCZ14	CON	3_LT_CFL10_5p	3	1	0	0
HID6	COLCZ14	CON	1_LT_MH400	1	1	0	1.25
HID6	COLCZ14	CON	2_LT_PS320	2	1	0	1.25
HID6	COLCZ14	CON	3_LT_HIDT5HO	3	1	0	1.25
HID6	GRCCZ14	CON	1_LT_MH400	1	1	0	2.28
HID6	GRCCZ14	CON	2_LT_PS320	2	1	0	2.28
HID6	GRCCZ14	CON	3_LT_HIDT5HO	3	1	0	2.28
HID6	HLTCZ14	CON	1_LT_MH400	1	1	0	1.36
HID6	HLTCZ14	CON	2_LT_PS320	2	1	0	1.36
HID6	HLTCZ14	CON	3_LT_HIDT5HO	3	1	0	1.36
HID6	LDGCZ14	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ14	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ14	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ14	CON	1_LT_MH400	1	1	0.04	0.09
HID6	LGOCZ14	CON	2_LT_PS320	2	1	0	0.09
HID6	LGOCZ14	CON	3_LT_HIDT5HO	3	1	0	0.09
HID6	MSCCZ14	CON	1_LT_MH400	1	1	0.01	1.84

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ14	CON	2_LT_PS320	2	1	0	1.84
HID6	MSCCZ14	CON	3_LT_HIDT5HO	3	1	0	1.84
HID6	REFCZ14	CON	1_LT_MH400	1	1	0.06	10.98
HID6	REFCZ14	CON	2_LT_PS320	2	1	0	10.98
HID6	REFCZ14	CON	3_LT_HIDT5HO	3	1	0	10.98
HID6	RETCZ14	CON	1_LT_MH400	1	1	0.06	3.05
HID6	RETCZ14	CON	2_LT_PS320	2	1	0	3.05
HID6	RETCZ14	CON	3_LT_HIDT5HO	3	1	0	3.05
HID6	RSTCZ14	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ14	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ14	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ14	CON	1_LT_MH400	1	1	0.01	2.36
HID6	SCHCZ14	CON	2_LT_PS320	2	1	0	2.36
HID6	SCHCZ14	CON	3_LT_HIDT5HO	3	1	0	2.36
HID6	SMOCZ14	CON	1_LT_MH400	1	1	0	0
HID6	SMOCZ14	CON	2_LT_PS320	2	1	0	0
HID6	SMOCZ14	CON	3_LT_HIDT5HO	3	1	0	0
HID6	WRHCZ14	CON	1_LT_MH400	1	1	0.28	1.09
HID6	WRHCZ14	CON	2_LT_PS320	2	1	0	1.09
HID6	WRHCZ14	CON	3_LT_HIDT5HO	3	1	0	1.09
HID4MV	COLCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ14	CON	1_LT_MV400	1	1	0	3.63
HID4MV	MSCCZ14	CON	2_LT_MH250mv	2	1	0	3.63
HID4MV	REFCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	REFCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RETCZ14	CON	1_LT_MV400	1	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ14	CON	1_LT_MV400	1	1	0.01	2.08
HID4MV	SCHCZ14	CON	2_LT_MH250mv	2	1	0	2.08
HID4MV	SMOCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ14	CON	1_LT_MV400	1	1	0	18.68
HID4MV	WRHCZ14	CON	2_LT_MH250mv	2	1	0.01	18.68
HID4I	COLCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ14	CON	2_LT_MH250i	2	1	0.02	0.58
HID4I	GRCCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ14	CON	2_LT_MH250i	2	1	0.11	0.15
HID4I	HLTCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ14	CON	2_LT_MH250i	2	1	0	0
HID4I	LDGCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ14	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ14	CON	2_LT_MH250i	2	1	0.05	0.02
HID4I	MSCCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ14	CON	2_LT_MH250i	2	1	0	0.85
HID4I	REFCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ14	CON	2_LT_MH250i	2	1	0.03	4.37
HID4I	RETCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ14	CON	2_LT_MH250i	2	1	0.02	0.63
HID4I	RSTCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ14	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ14	CON	2_LT_MH250i	2	1	0	1.48
HID4I	SMOCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ14	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ14	CON	2_LT_MH250i	2	1	0.1	0.65
HID3MV	COLCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ14	CON	2_LT_MH175mv	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ14	CON	1_LT_MV250	1	1	0	0.17
HID3MV	LDGCZ14	CON	2_LT_MH175mv	2	1	0	0.17
HID3MV	LGOCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	LGOCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	MSCCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	MSCCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	REFCZ14	CON	1_LT_MV250	1	1	0.01	7.84
HID3MV	REFCZ14	CON	2_LT_MH175mv	2	1	0	7.84
HID3MV	RETCZ14	CON	1_LT_MV250	1	1	0.01	1.28
HID3MV	RETCZ14	CON	2_LT_MH175mv	2	1	0.01	1.28
HID3MV	RSTCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ14	CON	1_LT_MV250	1	1	0.02	0.25
HID3MV	WRHCZ14	CON	2_LT_MH175mv	2	1	0	0.25
HID3I	COLCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ14	CON	2_LT_MH175i	2	1	0	1.41
HID3I	GRCCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ14	CON	2_LT_MH175i	2	1	0	0
HID3I	HLTCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ14	CON	2_LT_MH175i	2	1	0	1.69
HID3I	LDGCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ14	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ14	CON	2_LT_MH175i	2	1	0.01	0.95
HID3I	MSCCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ14	CON	2_LT_MH175i	2	1	0.01	0.31
HID3I	REFCZ14	CON	1_LT_INC500i	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ14	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ14	CON	2_LT_MH175i	2	1	0.01	2.17
HID3I	RSTCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ14	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ14	CON	2_LT_MH175i	2	1	0.03	2.53
HID3I	SMOCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ14	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ14	CON	2_LT_MH175i	2	1	0.04	0.29
HID2MV	COLCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ14	CON	1_LT_MV175	1	1	0.01	4.55
HID2MV	GRCCZ14	CON	2_LT_MH100mv	2	1	0	4.55
HID2MV	HLTCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ14	CON	2_LT_MH100mv	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ14	CON	1_LT_INC300	1	1	0.02	4.17
HID2I	COLCZ14	CON	2_LT_MH100i	2	1	0	4.17
HID2I	GRCCZ14	CON	1_LT_INC300	1	1	0.03	4.52
HID2I	GRCCZ14	CON	2_LT_MH100i	2	1	0.01	4.52
HID2I	HLTCZ14	CON	1_LT_INC300	1	1	0	1.23
HID2I	HLTCZ14	CON	2_LT_MH100i	2	1	0	1.23
HID2I	LDGCZ14	CON	1_LT_INC300	1	1	0.04	2.49
HID2I	LDGCZ14	CON	2_LT_MH100i	2	1	0	2.49
HID2I	LGOCZ14	CON	1_LT_INC300	1	1	0	2.24
HID2I	LGOCZ14	CON	2_LT_MH100i	2	1	0	2.24
HID2I	MSCCZ14	CON	1_LT_INC300	1	1	0	2.06
HID2I	MSCCZ14	CON	2_LT_MH100i	2	1	0	2.06
HID2I	REFCZ14	CON	1_LT_INC300	1	1	0	0
HID2I	REFCZ14	CON	2_LT_MH100i	2	1	0	0
HID2I	RETCZ14	CON	1_LT_INC300	1	1	0.02	17.39
HID2I	RETCZ14	CON	2_LT_MH100i	2	1	0	17.39
HID2I	RSTCZ14	CON	1_LT_INC300	1	1	0	14.81
HID2I	RSTCZ14	CON	2_LT_MH100i	2	1	0	14.81
HID2I	SCHCZ14	CON	1_LT_INC300	1	1	0.01	2.88
HID2I	SCHCZ14	CON	2_LT_MH100i	2	1	0	2.88
HID2I	SMOCZ14	CON	1_LT_INC300	1	1	0	1.47
HID2I	SMOCZ14	CON	2_LT_MH100i	2	1	0.02	1.47
HID2I	WRHCZ14	CON	1_LT_INC300	1	1	0	0
HID2I	WRHCZ14	CON	2_LT_MH100i	2	1	0	0
HID1MV	COLCZ14	CON	1_LT_MV100	1	1	0	0.38
HID1MV	COLCZ14	CON	2_LT_MH70mv	2	1	0	0.38
HID1MV	GRCCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ14	CON	1_LT_MV100	1	1	0	5.42
HID1MV	HLTCZ14	CON	2_LT_MH70mv	2	1	0	5.42
HID1MV	LDGCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	LGOCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	MSCCZ14	CON	1_LT_MV100	1	1	0	0



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	REFCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	REFCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RETCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	RSTCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SCHCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ14	CON	1_LT_INC200	1	1	0	5.63
HID1I	COLCZ14	CON	2_LT_MH70i	2	1	0	5.63
HID1I	GRCCZ14	CON	1_LT_INC200	1	1	0.01	6.05
HID1I	GRCCZ14	CON	2_LT_MH70i	2	1	0	6.05
HID1I	HLTCZ14	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ14	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ14	CON	1_LT_INC200	1	1	0	239.48
HID1I	LDGCZ14	CON	2_LT_MH70i	2	1	0	239.48
HID1I	LGOCZ14	CON	1_LT_INC200	1	1	0.01	1.66
HID1I	LGOCZ14	CON	2_LT_MH70i	2	1	0	1.66
HID1I	MSCCZ14	CON	1_LT_INC200	1	1	0	143.65
HID1I	MSCCZ14	CON	2_LT_MH70i	2	1	0	143.65
HID1I	REFCZ14	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ14	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ14	CON	1_LT_INC200	1	1	0.01	58.59
HID1I	RETCZ14	CON	2_LT_MH70i	2	1	0	58.59
HID1I	RSTCZ14	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ14	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ14	CON	1_LT_INC200	1	1	0	5.35
HID1I	SCHCZ14	CON	2_LT_MH70i	2	1	0	5.35
HID1I	SMOCZ14	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ14	CON	2_LT_MH70i	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ14	CON	1_LT_INC200	1	1	0	4.02
HID1I	WRHCZ14	CON	2_LT_MH70i	2	1	0	4.02
HID13MV	COLCZ14	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	GRCCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	HLTCZ14	CON	1_LT_EXMV400	1	1	1	0.08
HID13MV	HLTCZ14	CON	2_LT_EXPS250mv	2	1	0	0.08
HID13MV	LDGCZ14	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	MSCCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	REFCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	REFCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RETCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	RETCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RSTCZ14	CON	1_LT_EXMV400	1	1	1	0.02
HID13MV	RSTCZ14	CON	2_LT_EXPS250mv	2	1	0	0.02
HID13MV	SCHCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	SCHCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ14	CON	1_LT_EXMV400	1	1	1	0.21
HID13MV	SMOCZ14	CON	2_LT_EXPS250mv	2	1	0	0.21
HID13MV	WRHCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	WRHCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13I	COLCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ14	CON	1_LT_EXINC700	1	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	MSCCZ14	CON	2_LT_EXPS250i	2	1	1	0
HID13I	REFCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	RETCZ14	CON	2_LT_EXPS250i	2	1	1	0
HID13I	RSTCZ14	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RSTCZ14	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	SCHCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ14	CON	1_LT_EXMV250	1	1	0	0
HID12MV	COLCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ14	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	GRCCZ14	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	HLTCZ14	CON	1_LT_EXMV250	1	1	1	0
HID12MV	HLTCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ14	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LDGCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ14	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	LGOCZ14	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	MSCCZ14	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	MSCCZ14	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	REFCZ14	CON	1_LT_EXMV250	1	1	1	0.02
HID12MV	REFCZ14	CON	2_LT_EXPS175mv	2	1	0	0.02
HID12MV	RETCZ14	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ14	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ14	CON	1_LT_EXMV250	1	1	1	0
HID12MV	RSTCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ14	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	SCHCZ14	CON	2_LT_EXPS175mv	2	1	0	0.01

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ14	CON	1_LT_EXMV250	1	1	1	0
HID12MV	SMOCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ14	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	GRCCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	HLTCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ14	CON	2_LT_EXPS175i	2	1	1	0
HID12I	REFCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ14	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ14	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ14	CON	1_LT_EXMV175	1	1	1	0.03
HID11MV	GRCCZ14	CON	2_LT_EXMH100mv	2	1	0	0.03
HID11MV	HLTCZ14	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	HLTCZ14	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	LDGCZ14	CON	1_LT_EXMV175	1	1	1	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ14	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ14	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	LGOCZ14	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	MSCCZ14	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	MSCCZ14	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	REFCZ14	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ14	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ14	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	RETCZ14	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	RSTCZ14	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	RSTCZ14	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	SCHCZ14	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	SCHCZ14	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	SMOCZ14	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	SMOCZ14	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	WRHCZ14	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	WRHCZ14	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11I	COLCZ14	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	COLCZ14	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	GRCCZ14	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	GRCCZ14	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	HLTCZ14	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	HLTCZ14	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	LDGCZ14	CON	1_LT_EXINC300	1	1	0.05	0.08
HID11I	LDGCZ14	CON	2_LT_EXMH100i	2	1	0.95	0.08
HID11I	LGOCZ14	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	LGOCZ14	CON	2_LT_EXMH100i	2	1	1	0.02
HID11I	MSCCZ14	CON	1_LT_EXINC300	1	1	0.02	0.02
HID11I	MSCCZ14	CON	2_LT_EXMH100i	2	1	0.98	0.02
HID11I	REFCZ14	CON	1_LT_EXINC300	1	1	0	0
HID11I	REFCZ14	CON	2_LT_EXMH100i	2	1	1	0
HID11I	RETCZ14	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ14	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ14	CON	1_LT_EXINC300	1	1	0	0.43
HID11I	RSTCZ14	CON	2_LT_EXMH100i	2	1	1	0.43

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ14	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	SCHCZ14	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	SMOCZ14	CON	1_LT_EXINC300	1	1	0.47	0.2
HID11I	SMOCZ14	CON	2_LT_EXMH100i	2	1	0.53	0.2
HID11I	WRHCZ14	CON	1_LT_EXINC300	1	1	0.53	0
HID11I	WRHCZ14	CON	2_LT_EXMH100i	2	1	0.47	0
FLUOR4A	COLCZ14	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	COLCZ14	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	GRCCZ14	CON	1_LT_8T12	1	1	0.58	2.68
FLUOR4A	GRCCZ14	CON	2_LT_8T82ndG	2	1	0.42	2.68
FLUOR4A	HLTCZ14	CON	1_LT_8T12	1	1	1	0.1
FLUOR4A	HLTCZ14	CON	2_LT_8T82ndG	2	1	0	0.1
FLUOR4A	LDGCZ14	CON	1_LT_8T12	1	1	0.97	0.03
FLUOR4A	LDGCZ14	CON	2_LT_8T82ndG	2	1	0.03	0.03
FLUOR4A	LGOCZ14	CON	1_LT_8T12	1	1	0.58	0.11
FLUOR4A	LGOCZ14	CON	2_LT_8T82ndG	2	1	0.42	0.11
FLUOR4A	MSCCZ14	CON	1_LT_8T12	1	1	1	1.38
FLUOR4A	MSCCZ14	CON	2_LT_8T82ndG	2	1	0	1.38
FLUOR4A	REFCZ14	CON	1_LT_8T12	1	1	1	0.39
FLUOR4A	REFCZ14	CON	2_LT_8T82ndG	2	1	0	0.39
FLUOR4A	RETCZ14	CON	1_LT_8T12	1	1	0.84	1.57
FLUOR4A	RETCZ14	CON	2_LT_8T82ndG	2	1	0.16	1.57
FLUOR4A	RSTCZ14	CON	1_LT_8T12	1	1	1	0.47
FLUOR4A	RSTCZ14	CON	2_LT_8T82ndG	2	1	0	0.47
FLUOR4A	SCHCZ14	CON	1_LT_8T12	1	1	0.61	0.43
FLUOR4A	SCHCZ14	CON	2_LT_8T82ndG	2	1	0.39	0.43
FLUOR4A	SMOCZ14	CON	1_LT_8T12	1	1	0.89	0.12
FLUOR4A	SMOCZ14	CON	2_LT_8T82ndG	2	1	0.11	0.12
FLUOR4A	WRHCZ14	CON	1_LT_8T12	1	1	0.95	0.95
FLUOR4A	WRHCZ14	CON	2_LT_8T82ndG	2	1	0.05	0.95
FLUOR1A	COLCZ14	CON	1_LT_4T12	1	1	0.18	8.7
FLUOR1A	COLCZ14	CON	2_LT_4T8_5	2	1	0.82	8.7
FLUOR1A	GRCCZ14	CON	1_LT_4T12	1	1	0.24	5.91
FLUOR1A	GRCCZ14	CON	2_LT_4T8_5	2	1	0.76	5.91
FLUOR1A	HLTCZ14	CON	1_LT_4T12	1	1	0.21	7.61

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ14	CON	2_LT_4T8_5	2	1	0.79	7.61
FLUOR1A	LDGCZ14	CON	1_LT_4T12	1	1	0.44	2.59
FLUOR1A	LDGCZ14	CON	2_LT_4T8_5	2	1	0.56	2.59
FLUOR1A	LGOCZ14	CON	1_LT_4T12	1	1	0.05	6.96
FLUOR1A	LGOCZ14	CON	2_LT_4T8_5	2	1	0.95	6.96
FLUOR1A	MSCCZ14	CON	1_LT_4T12	1	1	0.8	1.7
FLUOR1A	MSCCZ14	CON	2_LT_4T8_5	2	1	0.2	1.7
FLUOR1A	REFCZ14	CON	1_LT_4T12	1	1	0.28	0.86
FLUOR1A	REFCZ14	CON	2_LT_4T8_5	2	1	0.72	0.86
FLUOR1A	RETCZ14	CON	1_LT_4T12	1	1	0.28	4.68
FLUOR1A	RETCZ14	CON	2_LT_4T8_5	2	1	0.72	4.68
FLUOR1A	RSTCZ14	CON	1_LT_4T12	1	1	0.65	3.47
FLUOR1A	RSTCZ14	CON	2_LT_4T8_5	2	1	0.35	3.47
FLUOR1A	SCHCZ14	CON	1_LT_4T12	1	1	0.23	7.61
FLUOR1A	SCHCZ14	CON	2_LT_4T8_5	2	1	0.77	7.61
FLUOR1A	SMOCZ14	CON	1_LT_4T12	1	1	0.71	4.75
FLUOR1A	SMOCZ14	CON	2_LT_4T8_5	2	1	0.29	4.75
FLUOR1A	WRHCZ14	CON	1_LT_4T12	1	1	0.37	1.12
FLUOR1A	WRHCZ14	CON	2_LT_4T8_5	2	1	0.63	1.12
EXIT1	COLCZ14	RET	2_LT_EXLED	1	1	0.82	0.43
EXIT1	GRCCZ14	RET	2_LT_EXLED	1	1	0.32	0.36
EXIT1	HLTCZ14	RET	2_LT_EXLED	1	1	0.77	0.46
EXIT1	LDGCZ14	RET	2_LT_EXLED	1	1	0.19	0.4
EXIT1	LGOCZ14	RET	2_LT_EXLED	1	1	0.57	0.62
EXIT1	MSCCZ14	RET	2_LT_EXLED	1	1	0.4	0.52
EXIT1	REFCZ14	RET	2_LT_EXLED	1	1	0.21	0.05
EXIT1	RETCZ14	RET	2_LT_EXLED	1	1	0.25	0.32
EXIT1	RSTCZ14	RET	2_LT_EXLED	1	1	0.24	0.74
EXIT1	SCHCZ14	RET	2_LT_EXLED	1	1	0.48	0.46
EXIT1	SMOCZ14	RET	2_LT_EXLED	1	1	0.68	0.88
EXIT1	WRHCZ14	RET	2_LT_EXLED	1	1	0.54	0.17
DL1	COLCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	GRCCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	LDGCZ14	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ14	RET	2_LT_DLInst	1	0.12	0	25.59
DL1	MSCCZ14	RET	2_LT_DLInst	1	0	0	9.07
DL1	REFCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	RETCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ14	RET	2_LT_DLInst	1	0.02	0	29.39
DL1	WRHCZ14	RET	2_LT_DLInst	1	0	0	0



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ15	RET	2_LT_RFLCSpec8	1	0	0	4.62
RFLC2	GRCCZ15	RET	2_LT_RFLCSpec8	1	0	0	0.97
RFLC2	HLTCZ15	RET	2_LT_RFLCSpec8	1	0	0	5.91
RFLC2	LDGCZ15	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ15	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ15	RET	2_LT_RFLCSpec8	1	0.01	0	3.6
RFLC2	REFCZ15	RET	2_LT_RFLCSpec8	1	0.02	0	1.64
RFLC2	RETCZ15	RET	2_LT_RFLCSpec8	1	0.05	0	2.82
RFLC2	RSTCZ15	RET	2_LT_RFLCSpec8	1	0	0	5
RFLC2	SCHCZ15	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	SMOCZ15	RET	2_LT_RFLCSpec8	1	0	0	3.87
RFLC2	WRHCZ15	RET	2_LT_RFLCSpec8	1	0.02	0	1.1
RFLC1	COLCZ15	RET	2_LT_RFLCSpec4	1	0.44	0	10.61
RFLC1	GRCCZ15	RET	2_LT_RFLCSpec4	1	0.34	0.02	5.85
RFLC1	HLTCZ15	RET	2_LT_RFLCSpec4	1	0.27	0.03	9
RFLC1	LDGCZ15	RET	2_LT_RFLCSpec4	1	0.07	0	2.85
RFLC1	LGOCZ15	RET	2_LT_RFLCSpec4	1	0.49	0.09	10.53
RFLC1	MSCCZ15	RET	2_LT_RFLCSpec4	1	0.13	0	9.68
RFLC1	REFCZ15	RET	2_LT_RFLCSpec4	1	0.32	0.01	4.62
RFLC1	RETCZ15	RET	2_LT_RFLCSpec4	1	0.32	0	8.33
RFLC1	RSTCZ15	RET	2_LT_RFLCSpec4	1	0.24	0	10.23
RFLC1	SCHCZ15	RET	2_LT_RFLCSpec4	1	0.29	0.06	13.07
RFLC1	SMOCZ15	RET	2_LT_RFLCSpec4	1	0.5	0	11.56
RFLC1	WRHCZ15	RET	2_LT_RFLCSpec4	1	0.18	0.01	5.8
PC1	COLCZ15	CON	1_LT_PCNoCtrl	1	1	0	0.58
PC1	COLCZ15	CON	2_LT_PCPC	2	1	0.76	0.58
PC1	COLCZ15	CON	3_LT_PCTC	3	1	0.08	0.58
PC1	COLCZ15	CON	4_LT_PCPT	4	1	0.02	0.58
PC1	GRCCZ15	CON	1_LT_PCNoCtrl	1	1	0	1.39
PC1	GRCCZ15	CON	2_LT_PCPC	2	1	0.38	1.39
PC1	GRCCZ15	CON	3_LT_PCTC	3	1	0.23	1.39
PC1	GRCCZ15	CON	4_LT_PCPT	4	1	0.05	1.39
PC1	HLTCZ15	CON	1_LT_PCNoCtrl	1	1	0.01	0.36
PC1	HLTCZ15	CON	2_LT_PCPC	2	1	0.59	0.36
PC1	HLTCZ15	CON	3_LT_PCTC	3	1	0.23	0.36

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ15	CON	4_LT_PCPT	4	1	0.03	0.36
PC1	LDGCZ15	CON	1_LT_PCNoCtrl	1	1	0	0.41
PC1	LDGCZ15	CON	2_LT_PCPC	2	1	0.5	0.41
PC1	LDGCZ15	CON	3_LT_PCTC	3	1	0.42	0.41
PC1	LDGCZ15	CON	4_LT_PCPT	4	1	0.07	0.41
PC1	LGOCZ15	CON	1_LT_PCNoCtrl	1	1	0.05	0.39
PC1	LGOCZ15	CON	2_LT_PCPC	2	1	0.29	0.39
PC1	LGOCZ15	CON	3_LT_PCTC	3	1	0.48	0.39
PC1	LGOCZ15	CON	4_LT_PCPT	4	1	0.09	0.39
PC1	MSCCZ15	CON	1_LT_PCNoCtrl	1	1	0	0.75
PC1	MSCCZ15	CON	2_LT_PCPC	2	1	0.1	0.75
PC1	MSCCZ15	CON	3_LT_PCTC	3	1	0.43	0.75
PC1	MSCCZ15	CON	4_LT_PCPT	4	1	0.01	0.75
PC1	REFCZ15	CON	1_LT_PCNoCtrl	1	1	0	0.21
PC1	REFCZ15	CON	2_LT_PCPC	2	1	0.49	0.21
PC1	REFCZ15	CON	3_LT_PCTC	3	1	0.23	0.21
PC1	REFCZ15	CON	4_LT_PCPT	4	1	0.09	0.21
PC1	RETCZ15	CON	1_LT_PCNoCtrl	1	1	0	1
PC1	RETCZ15	CON	2_LT_PCPC	2	1	0.22	1
PC1	RETCZ15	CON	3_LT_PCTC	3	1	0.42	1
PC1	RETCZ15	CON	4_LT_PCPT	4	1	0.05	1
PC1	RSTCZ15	CON	1_LT_PCNoCtrl	1	1	0	1.84
PC1	RSTCZ15	CON	2_LT_PCPC	2	1	0.32	1.84
PC1	RSTCZ15	CON	3_LT_PCTC	3	1	0.34	1.84
PC1	RSTCZ15	CON	4_LT_PCPT	4	1	0.02	1.84
PC1	SCHCZ15	CON	1_LT_PCNoCtrl	1	1	0.01	0.41
PC1	SCHCZ15	CON	2_LT_PCPC	2	1	0.42	0.41
PC1	SCHCZ15	CON	3_LT_PCTC	3	1	0.34	0.41
PC1	SCHCZ15	CON	4_LT_PCPT	4	1	0.2	0.41
PC1	SMOCZ15	CON	1_LT_PCNoCtrl	1	1	0	1.9
PC1	SMOCZ15	CON	2_LT_PCPC	2	1	0.17	1.9
PC1	SMOCZ15	CON	3_LT_PCTC	3	1	0.32	1.9
PC1	SMOCZ15	CON	4_LT_PCPT	4	1	0.02	1.9
PC1	WRHCZ15	CON	1_LT_PCNoCtrl	1	1	0	0.13
PC1	WRHCZ15	CON	2_LT_PCPC	2	1	0.53	0.13

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ15	CON	3_LT_PCTC	3	1	0.31	0.13
PC1	WRHCZ15	CON	4_LT_PCPT	4	1	0.11	0.13
OCC2	COLCZ15	RET	2_LT_OCCPCDInst	1	0.67	0	3.65
OCC2	GRCCZ15	RET	2_LT_OCCPCDInst	1	0.43	0	0.57
OCC2	HLTCZ15	RET	2_LT_OCCPCDInst	1	0.46	0	2.86
OCC2	LDGCZ15	RET	2_LT_OCCPCDInst	1	0.22	0	2.88
OCC2	LGOCZ15	RET	2_LT_OCCPCDInst	1	0.79	0	3.78
OCC2	MSCCZ15	RET	2_LT_OCCPCDInst	1	0.7	0	1.16
OCC2	REFCZ15	RET	2_LT_OCCPCDInst	1	0.33	0	0.59
OCC2	RETCZ15	RET	2_LT_OCCPCDInst	1	0.43	0	1.15
OCC2	RSTCZ15	RET	2_LT_OCCPCDInst	1	0.24	0	0.85
OCC2	SCHCZ15	RET	2_LT_OCCPCDInst	1	0.7	0	3.4
OCC2	SMOCZ15	RET	2_LT_OCCPCDInst	1	0.8	0	3.92
OCC2	WRHCZ15	RET	2_LT_OCCPCDInst	1	0.38	0	1.13
OCC1	COLCZ15	RET	2_LT_OCCMS	1	0.6	0.04	2.55
OCC1	GRCCZ15	RET	2_LT_OCCMS	1	0.1	0	1.83
OCC1	HLTCZ15	RET	2_LT_OCCMS	1	0.18	0.01	2.02
OCC1	LDGCZ15	RET	2_LT_OCCMS	1	0.03	0	1.73
OCC1	LGOCZ15	RET	2_LT_OCCMS	1	0.52	0.08	2.17
OCC1	MSCCZ15	RET	2_LT_OCCMS	1	0.1	0	2.16
OCC1	REFCZ15	RET	2_LT_OCCMS	1	0.3	0	1.03
OCC1	RETCZ15	RET	2_LT_OCCMS	1	0.25	0.01	1.49
OCC1	RSTCZ15	RET	2_LT_OCCMS	1	0.05	0	1.84
OCC1	SCHCZ15	RET	2_LT_OCCMS	1	0.68	0.11	2.74
OCC1	SMOCZ15	RET	2_LT_OCCMS	1	0.65	0	3.09
OCC1	WRHCZ15	RET	2_LT_OCCMS	1	0.6	0.01	0.97
INCAN6	COLCZ15	CON	1_LT_IRIP60	1	1	0.74	0.09
INCAN6	COLCZ15	CON	2_LT_CRCP14s	2	1	0.26	0.09
INCAN6	GRCCZ15	CON	1_LT_IRIP60	1	1	0.99	0.83
INCAN6	GRCCZ15	CON	2_LT_CRCP14s	2	1	0.01	0.83
INCAN6	HLTCZ15	CON	1_LT_IRIP60	1	1	0.85	0.46
INCAN6	HLTCZ15	CON	2_LT_CRCP14s	2	1	0.15	0.46
INCAN6	LDGCZ15	CON	1_LT_IRIP60	1	1	0.43	0.35
INCAN6	LDGCZ15	CON	2_LT_CRCP14s	2	1	0.57	0.35
INCAN6	LGOCZ15	CON	1_LT_IRIP60	1	1	0.87	0.08

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ15	CON	2_LT_CRCP14s	2	1	0.13	0.08
INCAN6	MSCCZ15	CON	1_LT_IRIP60	1	1	1	1.09
INCAN6	MSCCZ15	CON	2_LT_CRCP14s	2	1	0	1.09
INCAN6	REFCZ15	CON	1_LT_IRIP60	1	1	0.97	0.02
INCAN6	REFCZ15	CON	2_LT_CRCP14s	2	1	0.03	0.02
INCAN6	RETCZ15	CON	1_LT_IRIP60	1	1	0.99	2.16
INCAN6	RETCZ15	CON	2_LT_CRCP14s	2	1	0.01	2.16
INCAN6	RSTCZ15	CON	1_LT_IRIP60	1	1	0.94	1.43
INCAN6	RSTCZ15	CON	2_LT_CRCP14s	2	1	0.06	1.43
INCAN6	SCHCZ15	CON	1_LT_IRIP60	1	1	0.92	0.06
INCAN6	SCHCZ15	CON	2_LT_CRCP14s	2	1	0.08	0.06
INCAN6	SMOCZ15	CON	1_LT_IRIP60	1	1	0.94	0.62
INCAN6	SMOCZ15	CON	2_LT_CRCP14s	2	1	0.06	0.62
INCAN6	WRHCZ15	CON	1_LT_IRIP60	1	1	0.94	0.01
INCAN6	WRHCZ15	CON	2_LT_CRCP14s	2	1	0.06	0.01
INCAN5	COLCZ15	CON	1_LT_INC120	1	1	0	0.31
INCAN5	COLCZ15	CON	2_LT_CFL38s	2	1	0	0.31
INCAN5	COLCZ15	CON	3_LT_CFL38p	3	1	1	0.31
INCAN5	GRCCZ15	CON	1_LT_INC120	1	1	1	0.11
INCAN5	GRCCZ15	CON	2_LT_CFL38s	2	1	0	0.11
INCAN5	GRCCZ15	CON	3_LT_CFL38p	3	1	0	0.11
INCAN5	HLTCZ15	CON	1_LT_INC120	1	1	0.04	0.92
INCAN5	HLTCZ15	CON	2_LT_CFL38s	2	1	0.3	0.92
INCAN5	HLTCZ15	CON	3_LT_CFL38p	3	1	0.66	0.92
INCAN5	LDGCZ15	CON	1_LT_INC120	1	1	0.4	1.8
INCAN5	LDGCZ15	CON	2_LT_CFL38s	2	1	0.39	1.8
INCAN5	LDGCZ15	CON	3_LT_CFL38p	3	1	0.21	1.8
INCAN5	LGOCZ15	CON	1_LT_INC120	1	1	0.07	0.1
INCAN5	LGOCZ15	CON	2_LT_CFL38s	2	1	0.36	0.1
INCAN5	LGOCZ15	CON	3_LT_CFL38p	3	1	0.57	0.1
INCAN5	MSCCZ15	CON	1_LT_INC120	1	1	0.97	1.54
INCAN5	MSCCZ15	CON	2_LT_CFL38s	2	1	0.03	1.54
INCAN5	MSCCZ15	CON	3_LT_CFL38p	3	1	0	1.54
INCAN5	REFCZ15	CON	1_LT_INC120	1	1	0	0
INCAN5	REFCZ15	CON	2_LT_CFL38s	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ15	CON	3_LT_CFL38p	3	1	0	0
INCAN5	RETCZ15	CON	1_LT_INC120	1	1	0.29	0.2
INCAN5	RETCZ15	CON	2_LT_CFL38s	2	1	0.71	0.2
INCAN5	RETCZ15	CON	3_LT_CFL38p	3	1	0	0.2
INCAN5	RSTCZ15	CON	1_LT_INC120	1	1	0.81	0.96
INCAN5	RSTCZ15	CON	2_LT_CFL38s	2	1	0.17	0.96
INCAN5	RSTCZ15	CON	3_LT_CFL38p	3	1	0.02	0.96
INCAN5	SCHCZ15	CON	1_LT_INC120	1	1	0.29	0.06
INCAN5	SCHCZ15	CON	2_LT_CFL38s	2	1	0.04	0.06
INCAN5	SCHCZ15	CON	3_LT_CFL38p	3	1	0.67	0.06
INCAN5	SMOCZ15	CON	1_LT_INC120	1	1	0.45	0.17
INCAN5	SMOCZ15	CON	2_LT_CFL38s	2	1	0.55	0.17
INCAN5	SMOCZ15	CON	3_LT_CFL38p	3	1	0	0.17
INCAN5	WRHCZ15	CON	1_LT_INC120	1	1	1	0.01
INCAN5	WRHCZ15	CON	2_LT_CFL38s	2	1	0	0.01
INCAN5	WRHCZ15	CON	3_LT_CFL38p	3	1	0	0.01
INCAN3	COLCZ15	CON	1_LT_INC75	1	1	0	0.21
INCAN3	COLCZ15	CON	2_LT_CFL20s	2	1	0.05	0.21
INCAN3	COLCZ15	CON	3_LT_CFL20p	3	1	0.95	0.21
INCAN3	GRCCZ15	CON	1_LT_INC75	1	1	0.21	0.36
INCAN3	GRCCZ15	CON	2_LT_CFL20s	2	1	0.64	0.36
INCAN3	GRCCZ15	CON	3_LT_CFL20p	3	1	0.15	0.36
INCAN3	HLTCZ15	CON	1_LT_INC75	1	1	0.25	0.77
INCAN3	HLTCZ15	CON	2_LT_CFL20s	2	1	0.45	0.77
INCAN3	HLTCZ15	CON	3_LT_CFL20p	3	1	0.3	0.77
INCAN3	LDGCZ15	CON	1_LT_INC75	1	1	0.11	4.85
INCAN3	LDGCZ15	CON	2_LT_CFL20s	2	1	0.69	4.85
INCAN3	LDGCZ15	CON	3_LT_CFL20p	3	1	0.2	4.85
INCAN3	LGOCZ15	CON	1_LT_INC75	1	1	0.18	0.51
INCAN3	LGOCZ15	CON	2_LT_CFL20s	2	1	0.36	0.51
INCAN3	LGOCZ15	CON	3_LT_CFL20p	3	1	0.45	0.51
INCAN3	MSCCZ15	CON	1_LT_INC75	1	1	0.09	0.6
INCAN3	MSCCZ15	CON	2_LT_CFL20s	2	1	0.07	0.6
INCAN3	MSCCZ15	CON	3_LT_CFL20p	3	1	0.85	0.6
INCAN3	REFCZ15	CON	1_LT_INC75	1	1	1	0.02

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ15	CON	2_LT_CFL20s	2	1	0	0.02
INCAN3	REFCZ15	CON	3_LT_CFL20p	3	1	0	0.02
INCAN3	RETCZ15	CON	1_LT_INC75	1	1	0.06	0.52
INCAN3	RETCZ15	CON	2_LT_CFL20s	2	1	0.41	0.52
INCAN3	RETCZ15	CON	3_LT_CFL20p	3	1	0.53	0.52
INCAN3	RSTCZ15	CON	1_LT_INC75	1	1	0.86	2.31
INCAN3	RSTCZ15	CON	2_LT_CFL20s	2	1	0.08	2.31
INCAN3	RSTCZ15	CON	3_LT_CFL20p	3	1	0.06	2.31
INCAN3	SCHCZ15	CON	1_LT_INC75	1	1	0.07	0.8
INCAN3	SCHCZ15	CON	2_LT_CFL20s	2	1	0.45	0.8
INCAN3	SCHCZ15	CON	3_LT_CFL20p	3	1	0.49	0.8
INCAN3	SMOCZ15	CON	1_LT_INC75	1	1	0.57	0.51
INCAN3	SMOCZ15	CON	2_LT_CFL20s	2	1	0.07	0.51
INCAN3	SMOCZ15	CON	3_LT_CFL20p	3	1	0.36	0.51
INCAN3	WRHCZ15	CON	1_LT_INC75	1	1	0.25	0.06
INCAN3	WRHCZ15	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ15	CON	3_LT_CFL20p	3	1	0.57	0.06
INCAN2	COLCZ15	CON	1_LT_INC60	1	1	0.48	0.59
INCAN2	COLCZ15	CON	2_LT_CFL15s	2	1	0.36	0.59
INCAN2	COLCZ15	CON	3_LT_CFL15p	3	1	0.16	0.59
INCAN2	GRCCZ15	CON	1_LT_INC60	1	1	0.67	0.45
INCAN2	GRCCZ15	CON	2_LT_CFL15s	2	1	0.21	0.45
INCAN2	GRCCZ15	CON	3_LT_CFL15p	3	1	0.12	0.45
INCAN2	HLTCZ15	CON	1_LT_INC60	1	1	0.39	1.81
INCAN2	HLTCZ15	CON	2_LT_CFL15s	2	1	0.34	1.81
INCAN2	HLTCZ15	CON	3_LT_CFL15p	3	1	0.27	1.81
INCAN2	LDGCZ15	CON	1_LT_INC60	1	1	0.42	4.61
INCAN2	LDGCZ15	CON	2_LT_CFL15s	2	1	0.39	4.61
INCAN2	LDGCZ15	CON	3_LT_CFL15p	3	1	0.19	4.61
INCAN2	LGOCZ15	CON	1_LT_INC60	1	1	0.34	0.4
INCAN2	LGOCZ15	CON	2_LT_CFL15s	2	1	0.23	0.4
INCAN2	LGOCZ15	CON	3_LT_CFL15p	3	1	0.42	0.4
INCAN2	MSCCZ15	CON	1_LT_INC60	1	1	0.86	0.16
INCAN2	MSCCZ15	CON	2_LT_CFL15s	2	1	0.02	0.16
INCAN2	MSCCZ15	CON	3_LT_CFL15p	3	1	0.12	0.16

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ15	CON	1_LT_INC60	1	1	0	0.01
INCAN2	REFCZ15	CON	2_LT_CFL15s	2	1	0.65	0.01
INCAN2	REFCZ15	CON	3_LT_CFL15p	3	1	0.35	0.01
INCAN2	RETCZ15	CON	1_LT_INC60	1	1	0.55	0.28
INCAN2	RETCZ15	CON	2_LT_CFL15s	2	1	0.37	0.28
INCAN2	RETCZ15	CON	3_LT_CFL15p	3	1	0.08	0.28
INCAN2	RSTCZ15	CON	1_LT_INC60	1	1	0.62	2.75
INCAN2	RSTCZ15	CON	2_LT_CFL15s	2	1	0.29	2.75
INCAN2	RSTCZ15	CON	3_LT_CFL15p	3	1	0.09	2.75
INCAN2	SCHCZ15	CON	1_LT_INC60	1	1	0.43	0.3
INCAN2	SCHCZ15	CON	2_LT_CFL15s	2	1	0.15	0.3
INCAN2	SCHCZ15	CON	3_LT_CFL15p	3	1	0.41	0.3
INCAN2	SMOCZ15	CON	1_LT_INC60	1	1	0.57	1.15
INCAN2	SMOCZ15	CON	2_LT_CFL15s	2	1	0.28	1.15
INCAN2	SMOCZ15	CON	3_LT_CFL15p	3	1	0.15	1.15
INCAN2	WRHCZ15	CON	1_LT_INC60	1	1	0.86	0.04
INCAN2	WRHCZ15	CON	2_LT_CFL15s	2	1	0.12	0.04
INCAN2	WRHCZ15	CON	3_LT_CFL15p	3	1	0.03	0.04
INCAN1	COLCZ15	CON	1_LT_INC40	1	1	1	0.03
INCAN1	COLCZ15	CON	2_LT_CFL10_5s	2	1	0	0.03
INCAN1	COLCZ15	CON	3_LT_CFL10_5p	3	1	0	0.03
INCAN1	GRCCZ15	CON	1_LT_INC40	1	1	1	0.05
INCAN1	GRCCZ15	CON	2_LT_CFL10_5s	2	1	0	0.05
INCAN1	GRCCZ15	CON	3_LT_CFL10_5p	3	1	0	0.05
INCAN1	HLTCZ15	CON	1_LT_INC40	1	1	0.77	0.4
INCAN1	HLTCZ15	CON	2_LT_CFL10_5s	2	1	0	0.4
INCAN1	HLTCZ15	CON	3_LT_CFL10_5p	3	1	0.23	0.4
INCAN1	LDGCZ15	CON	1_LT_INC40	1	1	0.6	2.92
INCAN1	LDGCZ15	CON	2_LT_CFL10_5s	2	1	0.14	2.92
INCAN1	LDGCZ15	CON	3_LT_CFL10_5p	3	1	0.26	2.92
INCAN1	LGOCZ15	CON	1_LT_INC40	1	1	0.21	0.08
INCAN1	LGOCZ15	CON	2_LT_CFL10_5s	2	1	0.52	0.08
INCAN1	LGOCZ15	CON	3_LT_CFL10_5p	3	1	0.27	0.08
INCAN1	MSCCZ15	CON	1_LT_INC40	1	1	0.8	0.04
INCAN1	MSCCZ15	CON	2_LT_CFL10_5s	2	1	0.09	0.04

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ15	CON	3_LT_CFL10_5p	3	1	0.11	0.04
INCAN1	REFCZ15	CON	1_LT_INC40	1	1	0	0
INCAN1	REFCZ15	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	REFCZ15	CON	3_LT_CFL10_5p	3	1	0	0
INCAN1	RETCZ15	CON	1_LT_INC40	1	1	0.98	0.09
INCAN1	RETCZ15	CON	2_LT_CFL10_5s	2	1	0.02	0.09
INCAN1	RETCZ15	CON	3_LT_CFL10_5p	3	1	0	0.09
INCAN1	RSTCZ15	CON	1_LT_INC40	1	1	0.73	1.25
INCAN1	RSTCZ15	CON	2_LT_CFL10_5s	2	1	0.27	1.25
INCAN1	RSTCZ15	CON	3_LT_CFL10_5p	3	1	0	1.25
INCAN1	SCHCZ15	CON	1_LT_INC40	1	1	1	0.01
INCAN1	SCHCZ15	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	SCHCZ15	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	SMOCZ15	CON	1_LT_INC40	1	1	1	0.18
INCAN1	SMOCZ15	CON	2_LT_CFL10_5s	2	1	0	0.18
INCAN1	SMOCZ15	CON	3_LT_CFL10_5p	3	1	0	0.18
INCAN1	WRHCZ15	CON	1_LT_INC40	1	1	1	0
INCAN1	WRHCZ15	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	WRHCZ15	CON	3_LT_CFL10_5p	3	1	0	0
HID6	COLCZ15	CON	1_LT_MH400	1	1	0	1.25
HID6	COLCZ15	CON	2_LT_PS320	2	1	0	1.25
HID6	COLCZ15	CON	3_LT_HIDT5HO	3	1	0	1.25
HID6	GRCCZ15	CON	1_LT_MH400	1	1	0	2.28
HID6	GRCCZ15	CON	2_LT_PS320	2	1	0	2.28
HID6	GRCCZ15	CON	3_LT_HIDT5HO	3	1	0	2.28
HID6	HLTCZ15	CON	1_LT_MH400	1	1	0	1.36
HID6	HLTCZ15	CON	2_LT_PS320	2	1	0	1.36
HID6	HLTCZ15	CON	3_LT_HIDT5HO	3	1	0	1.36
HID6	LDGCZ15	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ15	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ15	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ15	CON	1_LT_MH400	1	1	0.04	0.09
HID6	LGOCZ15	CON	2_LT_PS320	2	1	0	0.09
HID6	LGOCZ15	CON	3_LT_HIDT5HO	3	1	0	0.09
HID6	MSCCZ15	CON	1_LT_MH400	1	1	0.01	1.84



SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ15	CON	2_LT_PS320	2	1	0	1.84
HID6	MSCCZ15	CON	3_LT_HIDT5HO	3	1	0	1.84
HID6	REFCZ15	CON	1_LT_MH400	1	1	0.06	10.98
HID6	REFCZ15	CON	2_LT_PS320	2	1	0	10.98
HID6	REFCZ15	CON	3_LT_HIDT5HO	3	1	0	10.98
HID6	RETCZ15	CON	1_LT_MH400	1	1	0.06	3.05
HID6	RETCZ15	CON	2_LT_PS320	2	1	0	3.05
HID6	RETCZ15	CON	3_LT_HIDT5HO	3	1	0	3.05
HID6	RSTCZ15	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ15	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ15	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ15	CON	1_LT_MH400	1	1	0.01	2.36
HID6	SCHCZ15	CON	2_LT_PS320	2	1	0	2.36
HID6	SCHCZ15	CON	3_LT_HIDT5HO	3	1	0	2.36
HID6	SMOCZ15	CON	1_LT_MH400	1	1	0	0
HID6	SMOCZ15	CON	2_LT_PS320	2	1	0	0
HID6	SMOCZ15	CON	3_LT_HIDT5HO	3	1	0	0
HID6	WRHCZ15	CON	1_LT_MH400	1	1	0.28	1.09
HID6	WRHCZ15	CON	2_LT_PS320	2	1	0	1.09
HID6	WRHCZ15	CON	3_LT_HIDT5HO	3	1	0	1.09
HID4MV	COLCZ15	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ15	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ15	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ15	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ15	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ15	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ15	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ15	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ15	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ15	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ15	CON	1_LT_MV400	1	1	0	3.63
HID4MV	MSCCZ15	CON	2_LT_MH250mv	2	1	0	3.63
HID4MV	REFCZ15	CON	1_LT_MV400	1	1	0	0
HID4MV	REFCZ15	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RETCZ15	CON	1_LT_MV400	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ15	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ15	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ15	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ15	CON	1_LT_MV400	1	1	0.01	2.08
HID4MV	SCHCZ15	CON	2_LT_MH250mv	2	1	0	2.08
HID4MV	SMOCZ15	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ15	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ15	CON	1_LT_MV400	1	1	0	18.68
HID4MV	WRHCZ15	CON	2_LT_MH250mv	2	1	0.01	18.68
HID4I	COLCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ15	CON	2_LT_MH250i	2	1	0.02	0.58
HID4I	GRCCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ15	CON	2_LT_MH250i	2	1	0.11	0.15
HID4I	HLTCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ15	CON	2_LT_MH250i	2	1	0	0
HID4I	LDGCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ15	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ15	CON	2_LT_MH250i	2	1	0.05	0.02
HID4I	MSCCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ15	CON	2_LT_MH250i	2	1	0	0.85
HID4I	REFCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ15	CON	2_LT_MH250i	2	1	0.03	4.37
HID4I	RETCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ15	CON	2_LT_MH250i	2	1	0.02	0.63
HID4I	RSTCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ15	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ15	CON	2_LT_MH250i	2	1	0	1.48
HID4I	SMOCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ15	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ15	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ15	CON	2_LT_MH250i	2	1	0.1	0.65
HID3MV	COLCZ15	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ15	CON	2_LT_MH175mv	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ15	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ15	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ15	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ15	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ15	CON	1_LT_MV250	1	1	0	0.17
HID3MV	LDGCZ15	CON	2_LT_MH175mv	2	1	0	0.17
HID3MV	LGOCZ15	CON	1_LT_MV250	1	1	0	0
HID3MV	LGOCZ15	CON	2_LT_MH175mv	2	1	0	0
HID3MV	MSCCZ15	CON	1_LT_MV250	1	1	0	0
HID3MV	MSCCZ15	CON	2_LT_MH175mv	2	1	0	0
HID3MV	REFCZ15	CON	1_LT_MV250	1	1	0.01	7.84
HID3MV	REFCZ15	CON	2_LT_MH175mv	2	1	0	7.84
HID3MV	RETCZ15	CON	1_LT_MV250	1	1	0.01	1.28
HID3MV	RETCZ15	CON	2_LT_MH175mv	2	1	0.01	1.28
HID3MV	RSTCZ15	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ15	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ15	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ15	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ15	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ15	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ15	CON	1_LT_MV250	1	1	0.02	0.25
HID3MV	WRHCZ15	CON	2_LT_MH175mv	2	1	0	0.25
HID3I	COLCZ15	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ15	CON	2_LT_MH175i	2	1	0	1.41
HID3I	GRCCZ15	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ15	CON	2_LT_MH175i	2	1	0	0
HID3I	HLTCZ15	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ15	CON	2_LT_MH175i	2	1	0	1.69
HID3I	LDGCZ15	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ15	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ15	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ15	CON	2_LT_MH175i	2	1	0.01	0.95
HID3I	MSCCZ15	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ15	CON	2_LT_MH175i	2	1	0.01	0.31
HID3I	REFCZ15	CON	1_LT_INC500i	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ15	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ15	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ15	CON	2_LT_MH175i	2	1	0.01	2.17
HID3I	RSTCZ15	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ15	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ15	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ15	CON	2_LT_MH175i	2	1	0.03	2.53
HID3I	SMOCZ15	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ15	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ15	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ15	CON	2_LT_MH175i	2	1	0.04	0.29
HID2MV	COLCZ15	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ15	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ15	CON	1_LT_MV175	1	1	0.01	4.55
HID2MV	GRCCZ15	CON	2_LT_MH100mv	2	1	0	4.55
HID2MV	HLTCZ15	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ15	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ15	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ15	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ15	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ15	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ15	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ15	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ15	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ15	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ15	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ15	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ15	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ15	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ15	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ15	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ15	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ15	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ15	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ15	CON	2_LT_MH100mv	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ15	CON	1_LT_INC300	1	1	0.02	4.17
HID2I	COLCZ15	CON	2_LT_MH100i	2	1	0	4.17
HID2I	GRCCZ15	CON	1_LT_INC300	1	1	0.03	4.52
HID2I	GRCCZ15	CON	2_LT_MH100i	2	1	0.01	4.52
HID2I	HLTCZ15	CON	1_LT_INC300	1	1	0	1.23
HID2I	HLTCZ15	CON	2_LT_MH100i	2	1	0	1.23
HID2I	LDGCZ15	CON	1_LT_INC300	1	1	0.04	2.49
HID2I	LDGCZ15	CON	2_LT_MH100i	2	1	0	2.49
HID2I	LGOCZ15	CON	1_LT_INC300	1	1	0	2.24
HID2I	LGOCZ15	CON	2_LT_MH100i	2	1	0	2.24
HID2I	MSCCZ15	CON	1_LT_INC300	1	1	0	2.06
HID2I	MSCCZ15	CON	2_LT_MH100i	2	1	0	2.06
HID2I	REFCZ15	CON	1_LT_INC300	1	1	0	0
HID2I	REFCZ15	CON	2_LT_MH100i	2	1	0	0
HID2I	RETCZ15	CON	1_LT_INC300	1	1	0.02	17.39
HID2I	RETCZ15	CON	2_LT_MH100i	2	1	0	17.39
HID2I	RSTCZ15	CON	1_LT_INC300	1	1	0	14.81
HID2I	RSTCZ15	CON	2_LT_MH100i	2	1	0	14.81
HID2I	SCHCZ15	CON	1_LT_INC300	1	1	0.01	2.88
HID2I	SCHCZ15	CON	2_LT_MH100i	2	1	0	2.88
HID2I	SMOCZ15	CON	1_LT_INC300	1	1	0	1.47
HID2I	SMOCZ15	CON	2_LT_MH100i	2	1	0.02	1.47
HID2I	WRHCZ15	CON	1_LT_INC300	1	1	0	0
HID2I	WRHCZ15	CON	2_LT_MH100i	2	1	0	0
HID1MV	COLCZ15	CON	1_LT_MV100	1	1	0	0.38
HID1MV	COLCZ15	CON	2_LT_MH70mv	2	1	0	0.38
HID1MV	GRCCZ15	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ15	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ15	CON	1_LT_MV100	1	1	0	5.42
HID1MV	HLTCZ15	CON	2_LT_MH70mv	2	1	0	5.42
HID1MV	LDGCZ15	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ15	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ15	CON	1_LT_MV100	1	1	0	0
HID1MV	LGOCZ15	CON	2_LT_MH70mv	2	1	0	0
HID1MV	MSCCZ15	CON	1_LT_MV100	1	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ15	CON	2_LT_MH70mv	2	1	0	0
HID1MV	REFCZ15	CON	1_LT_MV100	1	1	0	0
HID1MV	REFCZ15	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RETCZ15	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ15	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ15	CON	1_LT_MV100	1	1	0	0
HID1MV	RSTCZ15	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SCHCZ15	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ15	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ15	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ15	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ15	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ15	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ15	CON	1_LT_INC200	1	1	0	5.63
HID1I	COLCZ15	CON	2_LT_MH70i	2	1	0	5.63
HID1I	GRCCZ15	CON	1_LT_INC200	1	1	0.01	6.05
HID1I	GRCCZ15	CON	2_LT_MH70i	2	1	0	6.05
HID1I	HLTCZ15	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ15	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ15	CON	1_LT_INC200	1	1	0	239.48
HID1I	LDGCZ15	CON	2_LT_MH70i	2	1	0	239.48
HID1I	LGOCZ15	CON	1_LT_INC200	1	1	0.01	1.66
HID1I	LGOCZ15	CON	2_LT_MH70i	2	1	0	1.66
HID1I	MSCCZ15	CON	1_LT_INC200	1	1	0	143.65
HID1I	MSCCZ15	CON	2_LT_MH70i	2	1	0	143.65
HID1I	REFCZ15	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ15	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ15	CON	1_LT_INC200	1	1	0.01	58.59
HID1I	RETCZ15	CON	2_LT_MH70i	2	1	0	58.59
HID1I	RSTCZ15	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ15	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ15	CON	1_LT_INC200	1	1	0	5.35
HID1I	SCHCZ15	CON	2_LT_MH70i	2	1	0	5.35
HID1I	SMOCZ15	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ15	CON	2_LT_MH70i	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ15	CON	1_LT_INC200	1	1	0	4.02
HID1I	WRHCZ15	CON	2_LT_MH70i	2	1	0	4.02
HID13MV	COLCZ15	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ15	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ15	CON	1_LT_EXMV400	1	1	1	0
HID13MV	GRCCZ15	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	HLTCZ15	CON	1_LT_EXMV400	1	1	1	0.08
HID13MV	HLTCZ15	CON	2_LT_EXPS250mv	2	1	0	0.08
HID13MV	LDGCZ15	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ15	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ15	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ15	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ15	CON	1_LT_EXMV400	1	1	1	0
HID13MV	MSCCZ15	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	REFCZ15	CON	1_LT_EXMV400	1	1	1	0
HID13MV	REFCZ15	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RETCZ15	CON	1_LT_EXMV400	1	1	1	0
HID13MV	RETCZ15	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RSTCZ15	CON	1_LT_EXMV400	1	1	1	0.02
HID13MV	RSTCZ15	CON	2_LT_EXPS250mv	2	1	0	0.02
HID13MV	SCHCZ15	CON	1_LT_EXMV400	1	1	1	0
HID13MV	SCHCZ15	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ15	CON	1_LT_EXMV400	1	1	1	0.21
HID13MV	SMOCZ15	CON	2_LT_EXPS250mv	2	1	0	0.21
HID13MV	WRHCZ15	CON	1_LT_EXMV400	1	1	1	0
HID13MV	WRHCZ15	CON	2_LT_EXPS250mv	2	1	0	0
HID13I	COLCZ15	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ15	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ15	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ15	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ15	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ15	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ15	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ15	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ15	CON	1_LT_EXINC700	1	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ15	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ15	CON	1_LT_EXINC700	1	1	0	0
HID13I	MSCCZ15	CON	2_LT_EXPS250i	2	1	1	0
HID13I	REFCZ15	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ15	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ15	CON	1_LT_EXINC700	1	1	0	0
HID13I	RETCZ15	CON	2_LT_EXPS250i	2	1	1	0
HID13I	RSTCZ15	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RSTCZ15	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	SCHCZ15	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ15	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ15	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ15	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ15	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ15	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ15	CON	1_LT_EXMV250	1	1	0	0
HID12MV	COLCZ15	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ15	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	GRCCZ15	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	HLTCZ15	CON	1_LT_EXMV250	1	1	1	0
HID12MV	HLTCZ15	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ15	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LDGCZ15	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ15	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	LGOCZ15	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	MSCCZ15	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	MSCCZ15	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	REFCZ15	CON	1_LT_EXMV250	1	1	1	0.02
HID12MV	REFCZ15	CON	2_LT_EXPS175mv	2	1	0	0.02
HID12MV	RETCZ15	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ15	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ15	CON	1_LT_EXMV250	1	1	1	0
HID12MV	RSTCZ15	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ15	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	SCHCZ15	CON	2_LT_EXPS175mv	2	1	0	0.01



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ15	CON	1_LT_EXMV250	1	1	1	0
HID12MV	SMOCZ15	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ15	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ15	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ15	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	GRCCZ15	CON	2_LT_EXPS175i	2	1	0	0
HID12I	HLTCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ15	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ15	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ15	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ15	CON	2_LT_EXPS175i	2	1	1	0
HID12I	REFCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ15	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ15	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ15	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ15	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ15	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ15	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ15	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ15	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ15	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ15	CON	1_LT_EXMV175	1	1	1	0.03
HID11MV	GRCCZ15	CON	2_LT_EXMH100mv	2	1	0	0.03
HID11MV	HLTCZ15	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	HLTCZ15	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	LDGCZ15	CON	1_LT_EXMV175	1	1	1	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ15	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ15	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	LGOCZ15	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	MSCCZ15	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	MSCCZ15	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	REFCZ15	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ15	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ15	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	RETCZ15	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	RSTCZ15	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	RSTCZ15	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	SCHCZ15	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	SCHCZ15	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	SMOCZ15	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	SMOCZ15	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	WRHCZ15	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	WRHCZ15	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11I	COLCZ15	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	COLCZ15	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	GRCCZ15	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	GRCCZ15	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	HLTCZ15	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	HLTCZ15	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	LDGCZ15	CON	1_LT_EXINC300	1	1	0.05	0.08
HID11I	LDGCZ15	CON	2_LT_EXMH100i	2	1	0.95	0.08
HID11I	LGOCZ15	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	LGOCZ15	CON	2_LT_EXMH100i	2	1	1	0.02
HID11I	MSCCZ15	CON	1_LT_EXINC300	1	1	0.02	0.02
HID11I	MSCCZ15	CON	2_LT_EXMH100i	2	1	0.98	0.02
HID11I	REFCZ15	CON	1_LT_EXINC300	1	1	0	0
HID11I	REFCZ15	CON	2_LT_EXMH100i	2	1	1	0
HID11I	RETCZ15	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ15	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ15	CON	1_LT_EXINC300	1	1	0	0.43
HID11I	RSTCZ15	CON	2_LT_EXMH100i	2	1	1	0.43

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ15	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	SCHCZ15	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	SMOCZ15	CON	1_LT_EXINC300	1	1	0.47	0.2
HID11I	SMOCZ15	CON	2_LT_EXMH100i	2	1	0.53	0.2
HID11I	WRHCZ15	CON	1_LT_EXINC300	1	1	0.53	0
HID11I	WRHCZ15	CON	2_LT_EXMH100i	2	1	0.47	0
FLUOR4A	COLCZ15	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	COLCZ15	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	GRCCZ15	CON	1_LT_8T12	1	1	0.58	2.68
FLUOR4A	GRCCZ15	CON	2_LT_8T82ndG	2	1	0.42	2.68
FLUOR4A	HLTCZ15	CON	1_LT_8T12	1	1	1	0.1
FLUOR4A	HLTCZ15	CON	2_LT_8T82ndG	2	1	0	0.1
FLUOR4A	LDGCZ15	CON	1_LT_8T12	1	1	0.97	0.03
FLUOR4A	LDGCZ15	CON	2_LT_8T82ndG	2	1	0.03	0.03
FLUOR4A	LGOCZ15	CON	1_LT_8T12	1	1	0.58	0.11
FLUOR4A	LGOCZ15	CON	2_LT_8T82ndG	2	1	0.42	0.11
FLUOR4A	MSCCZ15	CON	1_LT_8T12	1	1	1	1.38
FLUOR4A	MSCCZ15	CON	2_LT_8T82ndG	2	1	0	1.38
FLUOR4A	REFCZ15	CON	1_LT_8T12	1	1	1	0.39
FLUOR4A	REFCZ15	CON	2_LT_8T82ndG	2	1	0	0.39
FLUOR4A	RETCZ15	CON	1_LT_8T12	1	1	0.84	1.57
FLUOR4A	RETCZ15	CON	2_LT_8T82ndG	2	1	0.16	1.57
FLUOR4A	RSTCZ15	CON	1_LT_8T12	1	1	1	0.47
FLUOR4A	RSTCZ15	CON	2_LT_8T82ndG	2	1	0	0.47
FLUOR4A	SCHCZ15	CON	1_LT_8T12	1	1	0.61	0.43
FLUOR4A	SCHCZ15	CON	2_LT_8T82ndG	2	1	0.39	0.43
FLUOR4A	SMOCZ15	CON	1_LT_8T12	1	1	0.89	0.12
FLUOR4A	SMOCZ15	CON	2_LT_8T82ndG	2	1	0.11	0.12
FLUOR4A	WRHCZ15	CON	1_LT_8T12	1	1	0.95	0.95
FLUOR4A	WRHCZ15	CON	2_LT_8T82ndG	2	1	0.05	0.95
FLUOR1A	COLCZ15	CON	1_LT_4T12	1	1	0.18	8.7
FLUOR1A	COLCZ15	CON	2_LT_4T8_5	2	1	0.82	8.7
FLUOR1A	GRCCZ15	CON	1_LT_4T12	1	1	0.24	5.91
FLUOR1A	GRCCZ15	CON	2_LT_4T8_5	2	1	0.76	5.91
FLUOR1A	HLTCZ15	CON	1_LT_4T12	1	1	0.21	7.61

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ15	CON	2_LT_4T8_5	2	1	0.79	7.61
FLUOR1A	LDGCZ15	CON	1_LT_4T12	1	1	0.44	2.59
FLUOR1A	LDGCZ15	CON	2_LT_4T8_5	2	1	0.56	2.59
FLUOR1A	LGOCZ15	CON	1_LT_4T12	1	1	0.05	6.96
FLUOR1A	LGOCZ15	CON	2_LT_4T8_5	2	1	0.95	6.96
FLUOR1A	MSCCZ15	CON	1_LT_4T12	1	1	0.8	1.7
FLUOR1A	MSCCZ15	CON	2_LT_4T8_5	2	1	0.2	1.7
FLUOR1A	REFCZ15	CON	1_LT_4T12	1	1	0.28	0.86
FLUOR1A	REFCZ15	CON	2_LT_4T8_5	2	1	0.72	0.86
FLUOR1A	RETCZ15	CON	1_LT_4T12	1	1	0.28	4.68
FLUOR1A	RETCZ15	CON	2_LT_4T8_5	2	1	0.72	4.68
FLUOR1A	RSTCZ15	CON	1_LT_4T12	1	1	0.65	3.47
FLUOR1A	RSTCZ15	CON	2_LT_4T8_5	2	1	0.35	3.47
FLUOR1A	SCHCZ15	CON	1_LT_4T12	1	1	0.23	7.61
FLUOR1A	SCHCZ15	CON	2_LT_4T8_5	2	1	0.77	7.61
FLUOR1A	SMOCZ15	CON	1_LT_4T12	1	1	0.71	4.75
FLUOR1A	SMOCZ15	CON	2_LT_4T8_5	2	1	0.29	4.75
FLUOR1A	WRHCZ15	CON	1_LT_4T12	1	1	0.37	1.12
FLUOR1A	WRHCZ15	CON	2_LT_4T8_5	2	1	0.63	1.12
EXIT1	COLCZ15	RET	2_LT_EXLED	1	1	0.82	0.43
EXIT1	GRCCZ15	RET	2_LT_EXLED	1	1	0.32	0.36
EXIT1	HLTCZ15	RET	2_LT_EXLED	1	1	0.77	0.46
EXIT1	LDGCZ15	RET	2_LT_EXLED	1	1	0.19	0.4
EXIT1	LGOCZ15	RET	2_LT_EXLED	1	1	0.57	0.62
EXIT1	MSCCZ15	RET	2_LT_EXLED	1	1	0.4	0.52
EXIT1	REFCZ15	RET	2_LT_EXLED	1	1	0.21	0.05
EXIT1	RETCZ15	RET	2_LT_EXLED	1	1	0.25	0.32
EXIT1	RSTCZ15	RET	2_LT_EXLED	1	1	0.24	0.74
EXIT1	SCHCZ15	RET	2_LT_EXLED	1	1	0.48	0.46
EXIT1	SMOCZ15	RET	2_LT_EXLED	1	1	0.68	0.88
EXIT1	WRHCZ15	RET	2_LT_EXLED	1	1	0.54	0.17
DL1	COLCZ15	RET	2_LT_DLInst	1	0	0	0
DL1	GRCCZ15	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ15	RET	2_LT_DLInst	1	0	0	0
DL1	LDGCZ15	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ15	RET	2_LT_DLInst	1	0.12	0	25.59
DL1	MSCCZ15	RET	2_LT_DLInst	1	0	0	9.07
DL1	REFCZ15	RET	2_LT_DLInst	1	0	0	0
DL1	RETCZ15	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ15	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ15	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ15	RET	2_LT_DLInst	1	0.02	0	29.39
DL1	WRHCZ15	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ16	RET	2_LT_RFLCSpec8	1	0	0	4.62
RFLC2	GRCCZ16	RET	2_LT_RFLCSpec8	1	0	0	0.97
RFLC2	HLTCZ16	RET	2_LT_RFLCSpec8	1	0	0	5.91
RFLC2	LDGCZ16	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ16	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ16	RET	2_LT_RFLCSpec8	1	0.01	0	3.6
RFLC2	REFCZ16	RET	2_LT_RFLCSpec8	1	0.02	0	1.64
RFLC2	RETCZ16	RET	2_LT_RFLCSpec8	1	0.05	0	2.82
RFLC2	RSTCZ16	RET	2_LT_RFLCSpec8	1	0	0	5
RFLC2	SCHCZ16	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	SMOCZ16	RET	2_LT_RFLCSpec8	1	0	0	3.87
RFLC2	WRHCZ16	RET	2_LT_RFLCSpec8	1	0.02	0	1.1
RFLC1	COLCZ16	RET	2_LT_RFLCSpec4	1	0.44	0	10.61
RFLC1	GRCCZ16	RET	2_LT_RFLCSpec4	1	0.34	0.02	5.85
RFLC1	HLTCZ16	RET	2_LT_RFLCSpec4	1	0.27	0.03	9
RFLC1	LDGCZ16	RET	2_LT_RFLCSpec4	1	0.07	0	2.85
RFLC1	LGOCZ16	RET	2_LT_RFLCSpec4	1	0.49	0.09	10.53
RFLC1	MSCCZ16	RET	2_LT_RFLCSpec4	1	0.13	0	9.68
RFLC1	REFCZ16	RET	2_LT_RFLCSpec4	1	0.32	0.01	4.62
RFLC1	RETCZ16	RET	2_LT_RFLCSpec4	1	0.32	0	8.33
RFLC1	RSTCZ16	RET	2_LT_RFLCSpec4	1	0.24	0	10.23
RFLC1	SCHCZ16	RET	2_LT_RFLCSpec4	1	0.29	0.06	13.07
RFLC1	SMOCZ16	RET	2_LT_RFLCSpec4	1	0.5	0	11.56
RFLC1	WRHCZ16	RET	2_LT_RFLCSpec4	1	0.18	0.01	5.8
PC1	COLCZ16	CON	1_LT_PCNoCtrl	1	1	0	0.58
PC1	COLCZ16	CON	2_LT_PCPC	2	1	0.76	0.58
PC1	COLCZ16	CON	3_LT_PCTC	3	1	0.08	0.58
PC1	COLCZ16	CON	4_LT_PCPT	4	1	0.02	0.58
PC1	GRCCZ16	CON	1_LT_PCNoCtrl	1	1	0	1.39
PC1	GRCCZ16	CON	2_LT_PCPC	2	1	0.38	1.39
PC1	GRCCZ16	CON	3_LT_PCTC	3	1	0.23	1.39
PC1	GRCCZ16	CON	4_LT_PCPT	4	1	0.05	1.39
PC1	HLTCZ16	CON	1_LT_PCNoCtrl	1	1	0.01	0.36
PC1	HLTCZ16	CON	2_LT_PCPC	2	1	0.59	0.36
PC1	HLTCZ16	CON	3_LT_PCTC	3	1	0.23	0.36

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ16	CON	4_LT_PCPT	4	1	0.03	0.36
PC1	LDGCZ16	CON	1_LT_PCNoCtrl	1	1	0	0.41
PC1	LDGCZ16	CON	2_LT_PCPC	2	1	0.5	0.41
PC1	LDGCZ16	CON	3_LT_PCTC	3	1	0.42	0.41
PC1	LDGCZ16	CON	4_LT_PCPT	4	1	0.07	0.41
PC1	LGOCZ16	CON	1_LT_PCNoCtrl	1	1	0.05	0.39
PC1	LGOCZ16	CON	2_LT_PCPC	2	1	0.29	0.39
PC1	LGOCZ16	CON	3_LT_PCTC	3	1	0.48	0.39
PC1	LGOCZ16	CON	4_LT_PCPT	4	1	0.09	0.39
PC1	MSCCZ16	CON	1_LT_PCNoCtrl	1	1	0	0.75
PC1	MSCCZ16	CON	2_LT_PCPC	2	1	0.1	0.75
PC1	MSCCZ16	CON	3_LT_PCTC	3	1	0.43	0.75
PC1	MSCCZ16	CON	4_LT_PCPT	4	1	0.01	0.75
PC1	REFCZ16	CON	1_LT_PCNoCtrl	1	1	0	0.21
PC1	REFCZ16	CON	2_LT_PCPC	2	1	0.49	0.21
PC1	REFCZ16	CON	3_LT_PCTC	3	1	0.23	0.21
PC1	REFCZ16	CON	4_LT_PCPT	4	1	0.09	0.21
PC1	RETCZ16	CON	1_LT_PCNoCtrl	1	1	0	1
PC1	RETCZ16	CON	2_LT_PCPC	2	1	0.22	1
PC1	RETCZ16	CON	3_LT_PCTC	3	1	0.42	1
PC1	RETCZ16	CON	4_LT_PCPT	4	1	0.05	1
PC1	RSTCZ16	CON	1_LT_PCNoCtrl	1	1	0	1.84
PC1	RSTCZ16	CON	2_LT_PCPC	2	1	0.32	1.84
PC1	RSTCZ16	CON	3_LT_PCTC	3	1	0.34	1.84
PC1	RSTCZ16	CON	4_LT_PCPT	4	1	0.02	1.84
PC1	SCHCZ16	CON	1_LT_PCNoCtrl	1	1	0.01	0.41
PC1	SCHCZ16	CON	2_LT_PCPC	2	1	0.42	0.41
PC1	SCHCZ16	CON	3_LT_PCTC	3	1	0.34	0.41
PC1	SCHCZ16	CON	4_LT_PCPT	4	1	0.2	0.41
PC1	SMOCZ16	CON	1_LT_PCNoCtrl	1	1	0	1.9
PC1	SMOCZ16	CON	2_LT_PCPC	2	1	0.17	1.9
PC1	SMOCZ16	CON	3_LT_PCTC	3	1	0.32	1.9
PC1	SMOCZ16	CON	4_LT_PCPT	4	1	0.02	1.9
PC1	WRHCZ16	CON	1_LT_PCNoCtrl	1	1	0	0.13
PC1	WRHCZ16	CON	2_LT_PCPC	2	1	0.53	0.13

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ16	CON	3_LT_PCTC	3	1	0.31	0.13
PC1	WRHCZ16	CON	4_LT_PCPT	4	1	0.11	0.13
OCC2	COLCZ16	RET	2_LT_OCCPCDInst	1	0.67	0	3.65
OCC2	GRCCZ16	RET	2_LT_OCCPCDInst	1	0.43	0	0.57
OCC2	HLTCZ16	RET	2_LT_OCCPCDInst	1	0.46	0	2.86
OCC2	LDGCZ16	RET	2_LT_OCCPCDInst	1	0.22	0	2.88
OCC2	LGOCZ16	RET	2_LT_OCCPCDInst	1	0.79	0	3.78
OCC2	MSCCZ16	RET	2_LT_OCCPCDInst	1	0.7	0	1.16
OCC2	REFCZ16	RET	2_LT_OCCPCDInst	1	0.33	0	0.59
OCC2	RETCZ16	RET	2_LT_OCCPCDInst	1	0.43	0	1.15
OCC2	RSTCZ16	RET	2_LT_OCCPCDInst	1	0.24	0	0.85
OCC2	SCHCZ16	RET	2_LT_OCCPCDInst	1	0.7	0	3.4
OCC2	SMOCZ16	RET	2_LT_OCCPCDInst	1	0.8	0	3.92
OCC2	WRHCZ16	RET	2_LT_OCCPCDInst	1	0.38	0	1.13
OCC1	COLCZ16	RET	2_LT_OCCMS	1	0.6	0.04	2.55
OCC1	GRCCZ16	RET	2_LT_OCCMS	1	0.1	0	1.83
OCC1	HLTCZ16	RET	2_LT_OCCMS	1	0.18	0.01	2.02
OCC1	LDGCZ16	RET	2_LT_OCCMS	1	0.03	0	1.73
OCC1	LGOCZ16	RET	2_LT_OCCMS	1	0.52	0.08	2.17
OCC1	MSCCZ16	RET	2_LT_OCCMS	1	0.1	0	2.16
OCC1	REFCZ16	RET	2_LT_OCCMS	1	0.3	0	1.03
OCC1	RETCZ16	RET	2_LT_OCCMS	1	0.25	0.01	1.49
OCC1	RSTCZ16	RET	2_LT_OCCMS	1	0.05	0	1.84
OCC1	SCHCZ16	RET	2_LT_OCCMS	1	0.68	0.11	2.74
OCC1	SMOCZ16	RET	2_LT_OCCMS	1	0.65	0	3.09
OCC1	WRHCZ16	RET	2_LT_OCCMS	1	0.6	0.01	0.97
INCAN6	COLCZ16	CON	1_LT_IRIP60	1	1	0.74	0.09
INCAN6	COLCZ16	CON	2_LT_CRCP14s	2	1	0.26	0.09
INCAN6	GRCCZ16	CON	1_LT_IRIP60	1	1	0.99	0.83
INCAN6	GRCCZ16	CON	2_LT_CRCP14s	2	1	0.01	0.83
INCAN6	HLTCZ16	CON	1_LT_IRIP60	1	1	0.85	0.46
INCAN6	HLTCZ16	CON	2_LT_CRCP14s	2	1	0.15	0.46
INCAN6	LDGCZ16	CON	1_LT_IRIP60	1	1	0.43	0.35
INCAN6	LDGCZ16	CON	2_LT_CRCP14s	2	1	0.57	0.35
INCAN6	LGOCZ16	CON	1_LT_IRIP60	1	1	0.87	0.08



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ16	CON	2_LT_CRCP14s	2	1	0.13	0.08
INCAN6	MSCCZ16	CON	1_LT_IRIP60	1	1	1	1.09
INCAN6	MSCCZ16	CON	2_LT_CRCP14s	2	1	0	1.09
INCAN6	REFCZ16	CON	1_LT_IRIP60	1	1	0.97	0.02
INCAN6	REFCZ16	CON	2_LT_CRCP14s	2	1	0.03	0.02
INCAN6	RETCZ16	CON	1_LT_IRIP60	1	1	0.99	2.16
INCAN6	RETCZ16	CON	2_LT_CRCP14s	2	1	0.01	2.16
INCAN6	RSTCZ16	CON	1_LT_IRIP60	1	1	0.94	1.43
INCAN6	RSTCZ16	CON	2_LT_CRCP14s	2	1	0.06	1.43
INCAN6	SCHCZ16	CON	1_LT_IRIP60	1	1	0.92	0.06
INCAN6	SCHCZ16	CON	2_LT_CRCP14s	2	1	0.08	0.06
INCAN6	SMOCZ16	CON	1_LT_IRIP60	1	1	0.94	0.62
INCAN6	SMOCZ16	CON	2_LT_CRCP14s	2	1	0.06	0.62
INCAN6	WRHCZ16	CON	1_LT_IRIP60	1	1	0.94	0.01
INCAN6	WRHCZ16	CON	2_LT_CRCP14s	2	1	0.06	0.01
INCAN5	COLCZ16	CON	1_LT_INC120	1	1	0	0.31
INCAN5	COLCZ16	CON	2_LT_CFL38s	2	1	0	0.31
INCAN5	COLCZ16	CON	3_LT_CFL38p	3	1	1	0.31
INCAN5	GRCCZ16	CON	1_LT_INC120	1	1	1	0.11
INCAN5	GRCCZ16	CON	2_LT_CFL38s	2	1	0	0.11
INCAN5	GRCCZ16	CON	3_LT_CFL38p	3	1	0	0.11
INCAN5	HLTCZ16	CON	1_LT_INC120	1	1	0.04	0.92
INCAN5	HLTCZ16	CON	2_LT_CFL38s	2	1	0.3	0.92
INCAN5	HLTCZ16	CON	3_LT_CFL38p	3	1	0.66	0.92
INCAN5	LDGCZ16	CON	1_LT_INC120	1	1	0.4	1.8
INCAN5	LDGCZ16	CON	2_LT_CFL38s	2	1	0.39	1.8
INCAN5	LDGCZ16	CON	3_LT_CFL38p	3	1	0.21	1.8
INCAN5	LGOCZ16	CON	1_LT_INC120	1	1	0.07	0.1
INCAN5	LGOCZ16	CON	2_LT_CFL38s	2	1	0.36	0.1
INCAN5	LGOCZ16	CON	3_LT_CFL38p	3	1	0.57	0.1
INCAN5	MSCCZ16	CON	1_LT_INC120	1	1	0.97	1.54
INCAN5	MSCCZ16	CON	2_LT_CFL38s	2	1	0.03	1.54
INCAN5	MSCCZ16	CON	3_LT_CFL38p	3	1	0	1.54
INCAN5	REFCZ16	CON	1_LT_INC120	1	1	0	0
INCAN5	REFCZ16	CON	2_LT_CFL38s	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ16	CON	3_LT_CFL38p	3	1	0	0
INCAN5	RETCZ16	CON	1_LT_INC120	1	1	0.29	0.2
INCAN5	RETCZ16	CON	2_LT_CFL38s	2	1	0.71	0.2
INCAN5	RETCZ16	CON	3_LT_CFL38p	3	1	0	0.2
INCAN5	RSTCZ16	CON	1_LT_INC120	1	1	0.81	0.96
INCAN5	RSTCZ16	CON	2_LT_CFL38s	2	1	0.17	0.96
INCAN5	RSTCZ16	CON	3_LT_CFL38p	3	1	0.02	0.96
INCAN5	SCHCZ16	CON	1_LT_INC120	1	1	0.29	0.06
INCAN5	SCHCZ16	CON	2_LT_CFL38s	2	1	0.04	0.06
INCAN5	SCHCZ16	CON	3_LT_CFL38p	3	1	0.67	0.06
INCAN5	SMOCZ16	CON	1_LT_INC120	1	1	0.45	0.17
INCAN5	SMOCZ16	CON	2_LT_CFL38s	2	1	0.55	0.17
INCAN5	SMOCZ16	CON	3_LT_CFL38p	3	1	0	0.17
INCAN5	WRHCZ16	CON	1_LT_INC120	1	1	1	0.01
INCAN5	WRHCZ16	CON	2_LT_CFL38s	2	1	0	0.01
INCAN5	WRHCZ16	CON	3_LT_CFL38p	3	1	0	0.01
INCAN3	COLCZ16	CON	1_LT_INC75	1	1	0	0.21
INCAN3	COLCZ16	CON	2_LT_CFL20s	2	1	0.05	0.21
INCAN3	COLCZ16	CON	3_LT_CFL20p	3	1	0.95	0.21
INCAN3	GRCCZ16	CON	1_LT_INC75	1	1	0.21	0.36
INCAN3	GRCCZ16	CON	2_LT_CFL20s	2	1	0.64	0.36
INCAN3	GRCCZ16	CON	3_LT_CFL20p	3	1	0.15	0.36
INCAN3	HLTCZ16	CON	1_LT_INC75	1	1	0.25	0.77
INCAN3	HLTCZ16	CON	2_LT_CFL20s	2	1	0.45	0.77
INCAN3	HLTCZ16	CON	3_LT_CFL20p	3	1	0.3	0.77
INCAN3	LDGCZ16	CON	1_LT_INC75	1	1	0.11	4.85
INCAN3	LDGCZ16	CON	2_LT_CFL20s	2	1	0.69	4.85
INCAN3	LDGCZ16	CON	3_LT_CFL20p	3	1	0.2	4.85
INCAN3	LGOCZ16	CON	1_LT_INC75	1	1	0.18	0.51
INCAN3	LGOCZ16	CON	2_LT_CFL20s	2	1	0.36	0.51
INCAN3	LGOCZ16	CON	3_LT_CFL20p	3	1	0.45	0.51
INCAN3	MSCCZ16	CON	1_LT_INC75	1	1	0.09	0.6
INCAN3	MSCCZ16	CON	2_LT_CFL20s	2	1	0.07	0.6
INCAN3	MSCCZ16	CON	3_LT_CFL20p	3	1	0.85	0.6
INCAN3	REFCZ16	CON	1_LT_INC75	1	1	1	0.02

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ16	CON	2_LT_CFL20s	2	1	0	0.02
INCAN3	REFCZ16	CON	3_LT_CFL20p	3	1	0	0.02
INCAN3	RETCZ16	CON	1_LT_INC75	1	1	0.06	0.52
INCAN3	RETCZ16	CON	2_LT_CFL20s	2	1	0.41	0.52
INCAN3	RETCZ16	CON	3_LT_CFL20p	3	1	0.53	0.52
INCAN3	RSTCZ16	CON	1_LT_INC75	1	1	0.86	2.31
INCAN3	RSTCZ16	CON	2_LT_CFL20s	2	1	0.08	2.31
INCAN3	RSTCZ16	CON	3_LT_CFL20p	3	1	0.06	2.31
INCAN3	SCHCZ16	CON	1_LT_INC75	1	1	0.07	0.8
INCAN3	SCHCZ16	CON	2_LT_CFL20s	2	1	0.45	0.8
INCAN3	SCHCZ16	CON	3_LT_CFL20p	3	1	0.49	0.8
INCAN3	SMOCZ16	CON	1_LT_INC75	1	1	0.57	0.51
INCAN3	SMOCZ16	CON	2_LT_CFL20s	2	1	0.07	0.51
INCAN3	SMOCZ16	CON	3_LT_CFL20p	3	1	0.36	0.51
INCAN3	WRHCZ16	CON	1_LT_INC75	1	1	0.25	0.06
INCAN3	WRHCZ16	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ16	CON	3_LT_CFL20p	3	1	0.57	0.06
INCAN2	COLCZ16	CON	1_LT_INC60	1	1	0.48	0.59
INCAN2	COLCZ16	CON	2_LT_CFL15s	2	1	0.36	0.59
INCAN2	COLCZ16	CON	3_LT_CFL15p	3	1	0.16	0.59
INCAN2	GRCCZ16	CON	1_LT_INC60	1	1	0.67	0.45
INCAN2	GRCCZ16	CON	2_LT_CFL15s	2	1	0.21	0.45
INCAN2	GRCCZ16	CON	3_LT_CFL15p	3	1	0.12	0.45
INCAN2	HLTCZ16	CON	1_LT_INC60	1	1	0.39	1.81
INCAN2	HLTCZ16	CON	2_LT_CFL15s	2	1	0.34	1.81
INCAN2	HLTCZ16	CON	3_LT_CFL15p	3	1	0.27	1.81
INCAN2	LDGCZ16	CON	1_LT_INC60	1	1	0.42	4.61
INCAN2	LDGCZ16	CON	2_LT_CFL15s	2	1	0.39	4.61
INCAN2	LDGCZ16	CON	3_LT_CFL15p	3	1	0.19	4.61
INCAN2	LGOCZ16	CON	1_LT_INC60	1	1	0.34	0.4
INCAN2	LGOCZ16	CON	2_LT_CFL15s	2	1	0.23	0.4
INCAN2	LGOCZ16	CON	3_LT_CFL15p	3	1	0.42	0.4
INCAN2	MSCCZ16	CON	1_LT_INC60	1	1	0.86	0.16
INCAN2	MSCCZ16	CON	2_LT_CFL15s	2	1	0.02	0.16
INCAN2	MSCCZ16	CON	3_LT_CFL15p	3	1	0.12	0.16

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ16	CON	1_LT_INC60	1	1	0	0.01
INCAN2	REFCZ16	CON	2_LT_CFL15s	2	1	0.65	0.01
INCAN2	REFCZ16	CON	3_LT_CFL15p	3	1	0.35	0.01
INCAN2	RETCZ16	CON	1_LT_INC60	1	1	0.55	0.28
INCAN2	RETCZ16	CON	2_LT_CFL15s	2	1	0.37	0.28
INCAN2	RETCZ16	CON	3_LT_CFL15p	3	1	0.08	0.28
INCAN2	RSTCZ16	CON	1_LT_INC60	1	1	0.62	2.75
INCAN2	RSTCZ16	CON	2_LT_CFL15s	2	1	0.29	2.75
INCAN2	RSTCZ16	CON	3_LT_CFL15p	3	1	0.09	2.75
INCAN2	SCHCZ16	CON	1_LT_INC60	1	1	0.43	0.3
INCAN2	SCHCZ16	CON	2_LT_CFL15s	2	1	0.15	0.3
INCAN2	SCHCZ16	CON	3_LT_CFL15p	3	1	0.41	0.3
INCAN2	SMOCZ16	CON	1_LT_INC60	1	1	0.57	1.15
INCAN2	SMOCZ16	CON	2_LT_CFL15s	2	1	0.28	1.15
INCAN2	SMOCZ16	CON	3_LT_CFL15p	3	1	0.15	1.15
INCAN2	WRHCZ16	CON	1_LT_INC60	1	1	0.86	0.04
INCAN2	WRHCZ16	CON	2_LT_CFL15s	2	1	0.12	0.04
INCAN2	WRHCZ16	CON	3_LT_CFL15p	3	1	0.03	0.04
INCAN1	COLCZ16	CON	1_LT_INC40	1	1	1	0.03
INCAN1	COLCZ16	CON	2_LT_CFL10_5s	2	1	0	0.03
INCAN1	COLCZ16	CON	3_LT_CFL10_5p	3	1	0	0.03
INCAN1	GRCCZ16	CON	1_LT_INC40	1	1	1	0.05
INCAN1	GRCCZ16	CON	2_LT_CFL10_5s	2	1	0	0.05
INCAN1	GRCCZ16	CON	3_LT_CFL10_5p	3	1	0	0.05
INCAN1	HLTCZ16	CON	1_LT_INC40	1	1	0.77	0.4
INCAN1	HLTCZ16	CON	2_LT_CFL10_5s	2	1	0	0.4
INCAN1	HLTCZ16	CON	3_LT_CFL10_5p	3	1	0.23	0.4
INCAN1	LDGCZ16	CON	1_LT_INC40	1	1	0.6	2.92
INCAN1	LDGCZ16	CON	2_LT_CFL10_5s	2	1	0.14	2.92
INCAN1	LDGCZ16	CON	3_LT_CFL10_5p	3	1	0.26	2.92
INCAN1	LGOCZ16	CON	1_LT_INC40	1	1	0.21	0.08
INCAN1	LGOCZ16	CON	2_LT_CFL10_5s	2	1	0.52	0.08
INCAN1	LGOCZ16	CON	3_LT_CFL10_5p	3	1	0.27	0.08
INCAN1	MSCCZ16	CON	1_LT_INC40	1	1	0.8	0.04
INCAN1	MSCCZ16	CON	2_LT_CFL10_5s	2	1	0.09	0.04

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ16	CON	3_LT_CFL10_5p	3	1	0.11	0.04
INCAN1	REFCZ16	CON	1_LT_INC40	1	1	0	0
INCAN1	REFCZ16	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	REFCZ16	CON	3_LT_CFL10_5p	3	1	0	0
INCAN1	RETCZ16	CON	1_LT_INC40	1	1	0.98	0.09
INCAN1	RETCZ16	CON	2_LT_CFL10_5s	2	1	0.02	0.09
INCAN1	RETCZ16	CON	3_LT_CFL10_5p	3	1	0	0.09
INCAN1	RSTCZ16	CON	1_LT_INC40	1	1	0.73	1.25
INCAN1	RSTCZ16	CON	2_LT_CFL10_5s	2	1	0.27	1.25
INCAN1	RSTCZ16	CON	3_LT_CFL10_5p	3	1	0	1.25
INCAN1	SCHCZ16	CON	1_LT_INC40	1	1	1	0.01
INCAN1	SCHCZ16	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	SCHCZ16	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	SMOCZ16	CON	1_LT_INC40	1	1	1	0.18
INCAN1	SMOCZ16	CON	2_LT_CFL10_5s	2	1	0	0.18
INCAN1	SMOCZ16	CON	3_LT_CFL10_5p	3	1	0	0.18
INCAN1	WRHCZ16	CON	1_LT_INC40	1	1	1	0
INCAN1	WRHCZ16	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	WRHCZ16	CON	3_LT_CFL10_5p	3	1	0	0
HID6	COLCZ16	CON	1_LT_MH400	1	1	0	1.25
HID6	COLCZ16	CON	2_LT_PS320	2	1	0	1.25
HID6	COLCZ16	CON	3_LT_HIDT5HO	3	1	0	1.25
HID6	GRCCZ16	CON	1_LT_MH400	1	1	0	2.28
HID6	GRCCZ16	CON	2_LT_PS320	2	1	0	2.28
HID6	GRCCZ16	CON	3_LT_HIDT5HO	3	1	0	2.28
HID6	HLTCZ16	CON	1_LT_MH400	1	1	0	1.36
HID6	HLTCZ16	CON	2_LT_PS320	2	1	0	1.36
HID6	HLTCZ16	CON	3_LT_HIDT5HO	3	1	0	1.36
HID6	LDGCZ16	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ16	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ16	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ16	CON	1_LT_MH400	1	1	0.04	0.09
HID6	LGOCZ16	CON	2_LT_PS320	2	1	0	0.09
HID6	LGOCZ16	CON	3_LT_HIDT5HO	3	1	0	0.09
HID6	MSCCZ16	CON	1_LT_MH400	1	1	0.01	1.84

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ16	CON	2_LT_PS320	2	1	0	1.84
HID6	MSCCZ16	CON	3_LT_HIDT5HO	3	1	0	1.84
HID6	REFCZ16	CON	1_LT_MH400	1	1	0.06	10.98
HID6	REFCZ16	CON	2_LT_PS320	2	1	0	10.98
HID6	REFCZ16	CON	3_LT_HIDT5HO	3	1	0	10.98
HID6	RETCZ16	CON	1_LT_MH400	1	1	0.06	3.05
HID6	RETCZ16	CON	2_LT_PS320	2	1	0	3.05
HID6	RETCZ16	CON	3_LT_HIDT5HO	3	1	0	3.05
HID6	RSTCZ16	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ16	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ16	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ16	CON	1_LT_MH400	1	1	0.01	2.36
HID6	SCHCZ16	CON	2_LT_PS320	2	1	0	2.36
HID6	SCHCZ16	CON	3_LT_HIDT5HO	3	1	0	2.36
HID6	SMOCZ16	CON	1_LT_MH400	1	1	0	0
HID6	SMOCZ16	CON	2_LT_PS320	2	1	0	0
HID6	SMOCZ16	CON	3_LT_HIDT5HO	3	1	0	0
HID6	WRHCZ16	CON	1_LT_MH400	1	1	0.28	1.09
HID6	WRHCZ16	CON	2_LT_PS320	2	1	0	1.09
HID6	WRHCZ16	CON	3_LT_HIDT5HO	3	1	0	1.09
HID4MV	COLCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ16	CON	1_LT_MV400	1	1	0	3.63
HID4MV	MSCCZ16	CON	2_LT_MH250mv	2	1	0	3.63
HID4MV	REFCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	REFCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RETCZ16	CON	1_LT_MV400	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ16	CON	1_LT_MV400	1	1	0.01	2.08
HID4MV	SCHCZ16	CON	2_LT_MH250mv	2	1	0	2.08
HID4MV	SMOCZ16	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ16	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ16	CON	1_LT_MV400	1	1	0	18.68
HID4MV	WRHCZ16	CON	2_LT_MH250mv	2	1	0.01	18.68
HID4I	COLCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ16	CON	2_LT_MH250i	2	1	0.02	0.58
HID4I	GRCCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ16	CON	2_LT_MH250i	2	1	0.11	0.15
HID4I	HLTCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ16	CON	2_LT_MH250i	2	1	0	0
HID4I	LDGCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ16	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ16	CON	2_LT_MH250i	2	1	0.05	0.02
HID4I	MSCCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ16	CON	2_LT_MH250i	2	1	0	0.85
HID4I	REFCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ16	CON	2_LT_MH250i	2	1	0.03	4.37
HID4I	RETCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ16	CON	2_LT_MH250i	2	1	0.02	0.63
HID4I	RSTCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ16	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ16	CON	2_LT_MH250i	2	1	0	1.48
HID4I	SMOCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ16	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ16	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ16	CON	2_LT_MH250i	2	1	0.1	0.65
HID3MV	COLCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ16	CON	2_LT_MH175mv	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ16	CON	1_LT_MV250	1	1	0	0.17
HID3MV	LDGCZ16	CON	2_LT_MH175mv	2	1	0	0.17
HID3MV	LGOCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	LGOCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	MSCCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	MSCCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	REFCZ16	CON	1_LT_MV250	1	1	0.01	7.84
HID3MV	REFCZ16	CON	2_LT_MH175mv	2	1	0	7.84
HID3MV	RETCZ16	CON	1_LT_MV250	1	1	0.01	1.28
HID3MV	RETCZ16	CON	2_LT_MH175mv	2	1	0.01	1.28
HID3MV	RSTCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ16	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ16	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ16	CON	1_LT_MV250	1	1	0.02	0.25
HID3MV	WRHCZ16	CON	2_LT_MH175mv	2	1	0	0.25
HID3I	COLCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ16	CON	2_LT_MH175i	2	1	0	1.41
HID3I	GRCCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ16	CON	2_LT_MH175i	2	1	0	0
HID3I	HLTCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ16	CON	2_LT_MH175i	2	1	0	1.69
HID3I	LDGCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ16	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ16	CON	2_LT_MH175i	2	1	0.01	0.95
HID3I	MSCCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ16	CON	2_LT_MH175i	2	1	0.01	0.31
HID3I	REFCZ16	CON	1_LT_INC500i	1	1	0	0



SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ16	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ16	CON	2_LT_MH175i	2	1	0.01	2.17
HID3I	RSTCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ16	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ16	CON	2_LT_MH175i	2	1	0.03	2.53
HID3I	SMOCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ16	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ16	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ16	CON	2_LT_MH175i	2	1	0.04	0.29
HID2MV	COLCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ16	CON	1_LT_MV175	1	1	0.01	4.55
HID2MV	GRCCZ16	CON	2_LT_MH100mv	2	1	0	4.55
HID2MV	HLTCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ16	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ16	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ16	CON	2_LT_MH100mv	2	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ16	CON	1_LT_INC300	1	1	0.02	4.17
HID2I	COLCZ16	CON	2_LT_MH100i	2	1	0	4.17
HID2I	GRCCZ16	CON	1_LT_INC300	1	1	0.03	4.52
HID2I	GRCCZ16	CON	2_LT_MH100i	2	1	0.01	4.52
HID2I	HLTCZ16	CON	1_LT_INC300	1	1	0	1.23
HID2I	HLTCZ16	CON	2_LT_MH100i	2	1	0	1.23
HID2I	LDGCZ16	CON	1_LT_INC300	1	1	0.04	2.49
HID2I	LDGCZ16	CON	2_LT_MH100i	2	1	0	2.49
HID2I	LGOCZ16	CON	1_LT_INC300	1	1	0	2.24
HID2I	LGOCZ16	CON	2_LT_MH100i	2	1	0	2.24
HID2I	MSCCZ16	CON	1_LT_INC300	1	1	0	2.06
HID2I	MSCCZ16	CON	2_LT_MH100i	2	1	0	2.06
HID2I	REFCZ16	CON	1_LT_INC300	1	1	0	0
HID2I	REFCZ16	CON	2_LT_MH100i	2	1	0	0
HID2I	RETCZ16	CON	1_LT_INC300	1	1	0.02	17.39
HID2I	RETCZ16	CON	2_LT_MH100i	2	1	0	17.39
HID2I	RSTCZ16	CON	1_LT_INC300	1	1	0	14.81
HID2I	RSTCZ16	CON	2_LT_MH100i	2	1	0	14.81
HID2I	SCHCZ16	CON	1_LT_INC300	1	1	0.01	2.88
HID2I	SCHCZ16	CON	2_LT_MH100i	2	1	0	2.88
HID2I	SMOCZ16	CON	1_LT_INC300	1	1	0	1.47
HID2I	SMOCZ16	CON	2_LT_MH100i	2	1	0.02	1.47
HID2I	WRHCZ16	CON	1_LT_INC300	1	1	0	0
HID2I	WRHCZ16	CON	2_LT_MH100i	2	1	0	0
HID1MV	COLCZ16	CON	1_LT_MV100	1	1	0	0.38
HID1MV	COLCZ16	CON	2_LT_MH70mv	2	1	0	0.38
HID1MV	GRCCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ16	CON	1_LT_MV100	1	1	0	5.42
HID1MV	HLTCZ16	CON	2_LT_MH70mv	2	1	0	5.42
HID1MV	LDGCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	LGOCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	MSCCZ16	CON	1_LT_MV100	1	1	0	0

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	REFCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	REFCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RETCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	RSTCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SCHCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ16	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ16	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ16	CON	1_LT_INC200	1	1	0	5.63
HID1I	COLCZ16	CON	2_LT_MH70i	2	1	0	5.63
HID1I	GRCCZ16	CON	1_LT_INC200	1	1	0.01	6.05
HID1I	GRCCZ16	CON	2_LT_MH70i	2	1	0	6.05
HID1I	HLTCZ16	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ16	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ16	CON	1_LT_INC200	1	1	0	239.48
HID1I	LDGCZ16	CON	2_LT_MH70i	2	1	0	239.48
HID1I	LGOCZ16	CON	1_LT_INC200	1	1	0.01	1.66
HID1I	LGOCZ16	CON	2_LT_MH70i	2	1	0	1.66
HID1I	MSCCZ16	CON	1_LT_INC200	1	1	0	143.65
HID1I	MSCCZ16	CON	2_LT_MH70i	2	1	0	143.65
HID1I	REFCZ16	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ16	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ16	CON	1_LT_INC200	1	1	0.01	58.59
HID1I	RETCZ16	CON	2_LT_MH70i	2	1	0	58.59
HID1I	RSTCZ16	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ16	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ16	CON	1_LT_INC200	1	1	0	5.35
HID1I	SCHCZ16	CON	2_LT_MH70i	2	1	0	5.35
HID1I	SMOCZ16	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ16	CON	2_LT_MH70i	2	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ16	CON	1_LT_INC200	1	1	0	4.02
HID1I	WRHCZ16	CON	2_LT_MH70i	2	1	0	4.02
HID13MV	COLCZ16	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ16	CON	1_LT_EXMV400	1	1	1	0
HID13MV	GRCCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	HLTCZ16	CON	1_LT_EXMV400	1	1	1	0.08
HID13MV	HLTCZ16	CON	2_LT_EXPS250mv	2	1	0	0.08
HID13MV	LDGCZ16	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ16	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ16	CON	1_LT_EXMV400	1	1	1	0
HID13MV	MSCCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	REFCZ16	CON	1_LT_EXMV400	1	1	1	0
HID13MV	REFCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RETCZ16	CON	1_LT_EXMV400	1	1	1	0
HID13MV	RETCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RSTCZ16	CON	1_LT_EXMV400	1	1	1	0.02
HID13MV	RSTCZ16	CON	2_LT_EXPS250mv	2	1	0	0.02
HID13MV	SCHCZ16	CON	1_LT_EXMV400	1	1	1	0
HID13MV	SCHCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ16	CON	1_LT_EXMV400	1	1	1	0.21
HID13MV	SMOCZ16	CON	2_LT_EXPS250mv	2	1	0	0.21
HID13MV	WRHCZ16	CON	1_LT_EXMV400	1	1	1	0
HID13MV	WRHCZ16	CON	2_LT_EXPS250mv	2	1	0	0
HID13I	COLCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ16	CON	1_LT_EXINC700	1	1	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	MSCCZ16	CON	2_LT_EXPS250i	2	1	1	0
HID13I	REFCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	RETCZ16	CON	2_LT_EXPS250i	2	1	1	0
HID13I	RSTCZ16	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RSTCZ16	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	SCHCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ16	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ16	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ16	CON	1_LT_EXMV250	1	1	0	0
HID12MV	COLCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ16	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	GRCCZ16	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	HLTCZ16	CON	1_LT_EXMV250	1	1	1	0
HID12MV	HLTCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ16	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LDGCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ16	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	LGOCZ16	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	MSCCZ16	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	MSCCZ16	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	REFCZ16	CON	1_LT_EXMV250	1	1	1	0.02
HID12MV	REFCZ16	CON	2_LT_EXPS175mv	2	1	0	0.02
HID12MV	RETCZ16	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ16	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ16	CON	1_LT_EXMV250	1	1	1	0
HID12MV	RSTCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ16	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	SCHCZ16	CON	2_LT_EXPS175mv	2	1	0	0.01

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ16	CON	1_LT_EXMV250	1	1	1	0
HID12MV	SMOCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ16	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ16	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	GRCCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	HLTCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ16	CON	2_LT_EXPS175i	2	1	1	0
HID12I	REFCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ16	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ16	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ16	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ16	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ16	CON	1_LT_EXMV175	1	1	1	0.03
HID11MV	GRCCZ16	CON	2_LT_EXMH100mv	2	1	0	0.03
HID11MV	HLTCZ16	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	HLTCZ16	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	LDGCZ16	CON	1_LT_EXMV175	1	1	1	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ16	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ16	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	LGOCZ16	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	MSCCZ16	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	MSCCZ16	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	REFCZ16	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ16	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ16	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	RETCZ16	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	RSTCZ16	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	RSTCZ16	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	SCHCZ16	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	SCHCZ16	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	SMOCZ16	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	SMOCZ16	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	WRHCZ16	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	WRHCZ16	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11I	COLCZ16	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	COLCZ16	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	GRCCZ16	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	GRCCZ16	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	HLTCZ16	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	HLTCZ16	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	LDGCZ16	CON	1_LT_EXINC300	1	1	0.05	0.08
HID11I	LDGCZ16	CON	2_LT_EXMH100i	2	1	0.95	0.08
HID11I	LGOCZ16	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	LGOCZ16	CON	2_LT_EXMH100i	2	1	1	0.02
HID11I	MSCCZ16	CON	1_LT_EXINC300	1	1	0.02	0.02
HID11I	MSCCZ16	CON	2_LT_EXMH100i	2	1	0.98	0.02
HID11I	REFCZ16	CON	1_LT_EXINC300	1	1	0	0
HID11I	REFCZ16	CON	2_LT_EXMH100i	2	1	1	0
HID11I	RETCZ16	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ16	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ16	CON	1_LT_EXINC300	1	1	0	0.43
HID11I	RSTCZ16	CON	2_LT_EXMH100i	2	1	1	0.43

SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ16	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	SCHCZ16	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	SMOCZ16	CON	1_LT_EXINC300	1	1	0.47	0.2
HID11I	SMOCZ16	CON	2_LT_EXMH100i	2	1	0.53	0.2
HID11I	WRHCZ16	CON	1_LT_EXINC300	1	1	0.53	0
HID11I	WRHCZ16	CON	2_LT_EXMH100i	2	1	0.47	0
FLUOR4A	COLCZ16	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	COLCZ16	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	GRCCZ16	CON	1_LT_8T12	1	1	0.58	2.68
FLUOR4A	GRCCZ16	CON	2_LT_8T82ndG	2	1	0.42	2.68
FLUOR4A	HLTCZ16	CON	1_LT_8T12	1	1	1	0.1
FLUOR4A	HLTCZ16	CON	2_LT_8T82ndG	2	1	0	0.1
FLUOR4A	LDGCZ16	CON	1_LT_8T12	1	1	0.97	0.03
FLUOR4A	LDGCZ16	CON	2_LT_8T82ndG	2	1	0.03	0.03
FLUOR4A	LGOCZ16	CON	1_LT_8T12	1	1	0.58	0.11
FLUOR4A	LGOCZ16	CON	2_LT_8T82ndG	2	1	0.42	0.11
FLUOR4A	MSCCZ16	CON	1_LT_8T12	1	1	1	1.38
FLUOR4A	MSCCZ16	CON	2_LT_8T82ndG	2	1	0	1.38
FLUOR4A	REFCZ16	CON	1_LT_8T12	1	1	1	0.39
FLUOR4A	REFCZ16	CON	2_LT_8T82ndG	2	1	0	0.39
FLUOR4A	RETCZ16	CON	1_LT_8T12	1	1	0.84	1.57
FLUOR4A	RETCZ16	CON	2_LT_8T82ndG	2	1	0.16	1.57
FLUOR4A	RSTCZ16	CON	1_LT_8T12	1	1	1	0.47
FLUOR4A	RSTCZ16	CON	2_LT_8T82ndG	2	1	0	0.47
FLUOR4A	SCHCZ16	CON	1_LT_8T12	1	1	0.61	0.43
FLUOR4A	SCHCZ16	CON	2_LT_8T82ndG	2	1	0.39	0.43
FLUOR4A	SMOCZ16	CON	1_LT_8T12	1	1	0.89	0.12
FLUOR4A	SMOCZ16	CON	2_LT_8T82ndG	2	1	0.11	0.12
FLUOR4A	WRHCZ16	CON	1_LT_8T12	1	1	0.95	0.95
FLUOR4A	WRHCZ16	CON	2_LT_8T82ndG	2	1	0.05	0.95
FLUOR1A	COLCZ16	CON	1_LT_4T12	1	1	0.18	8.7
FLUOR1A	COLCZ16	CON	2_LT_4T8_5	2	1	0.82	8.7
FLUOR1A	GRCCZ16	CON	1_LT_4T12	1	1	0.24	5.91
FLUOR1A	GRCCZ16	CON	2_LT_4T8_5	2	1	0.76	5.91
FLUOR1A	HLTCZ16	CON	1_LT_4T12	1	1	0.21	7.61



SCE Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ16	CON	2_LT_4T8_5	2	1	0.79	7.61
FLUOR1A	LDGCZ16	CON	1_LT_4T12	1	1	0.44	2.59
FLUOR1A	LDGCZ16	CON	2_LT_4T8_5	2	1	0.56	2.59
FLUOR1A	LGOCZ16	CON	1_LT_4T12	1	1	0.05	6.96
FLUOR1A	LGOCZ16	CON	2_LT_4T8_5	2	1	0.95	6.96
FLUOR1A	MSCCZ16	CON	1_LT_4T12	1	1	0.8	1.7
FLUOR1A	MSCCZ16	CON	2_LT_4T8_5	2	1	0.2	1.7
FLUOR1A	REFCZ16	CON	1_LT_4T12	1	1	0.28	0.86
FLUOR1A	REFCZ16	CON	2_LT_4T8_5	2	1	0.72	0.86
FLUOR1A	RETCZ16	CON	1_LT_4T12	1	1	0.28	4.68
FLUOR1A	RETCZ16	CON	2_LT_4T8_5	2	1	0.72	4.68
FLUOR1A	RSTCZ16	CON	1_LT_4T12	1	1	0.65	3.47
FLUOR1A	RSTCZ16	CON	2_LT_4T8_5	2	1	0.35	3.47
FLUOR1A	SCHCZ16	CON	1_LT_4T12	1	1	0.23	7.61
FLUOR1A	SCHCZ16	CON	2_LT_4T8_5	2	1	0.77	7.61
FLUOR1A	SMOCZ16	CON	1_LT_4T12	1	1	0.71	4.75
FLUOR1A	SMOCZ16	CON	2_LT_4T8_5	2	1	0.29	4.75
FLUOR1A	WRHCZ16	CON	1_LT_4T12	1	1	0.37	1.12
FLUOR1A	WRHCZ16	CON	2_LT_4T8_5	2	1	0.63	1.12
EXIT1	COLCZ16	RET	2_LT_EXLED	1	1	0.82	0.43
EXIT1	GRCCZ16	RET	2_LT_EXLED	1	1	0.32	0.36
EXIT1	HLTCZ16	RET	2_LT_EXLED	1	1	0.77	0.46
EXIT1	LDGCZ16	RET	2_LT_EXLED	1	1	0.19	0.4
EXIT1	LGOCZ16	RET	2_LT_EXLED	1	1	0.57	0.62
EXIT1	MSCCZ16	RET	2_LT_EXLED	1	1	0.4	0.52
EXIT1	REFCZ16	RET	2_LT_EXLED	1	1	0.21	0.05
EXIT1	RETCZ16	RET	2_LT_EXLED	1	1	0.25	0.32
EXIT1	RSTCZ16	RET	2_LT_EXLED	1	1	0.24	0.74
EXIT1	SCHCZ16	RET	2_LT_EXLED	1	1	0.48	0.46
EXIT1	SMOCZ16	RET	2_LT_EXLED	1	1	0.68	0.88
EXIT1	WRHCZ16	RET	2_LT_EXLED	1	1	0.54	0.17
DL1	COLCZ16	RET	2_LT_DLInst	1	0	0	0
DL1	GRCCZ16	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ16	RET	2_LT_DLInst	1	0	0	0
DL1	LDGCZ16	RET	2_LT_DLInst	1	0	0	0

SCE Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ16	RET	2_LT_DLInst	1	0.12	0	25.59
DL1	MSCCZ16	RET	2_LT_DLInst	1	0	0	9.07
DL1	REFCZ16	RET	2_LT_DLInst	1	0	0	0
DL1	RETCZ16	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ16	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ16	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ16	RET	2_LT_DLInst	1	0.02	0	29.39
DL1	WRHCZ16	RET	2_LT_DLInst	1	0	0	0

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ07	RET	2_LT_RFLCSpec8	1	0	0	4.62
RFLC2	GRCCZ07	RET	2_LT_RFLCSpec8	1	0	0	0.97
RFLC2	HLTCZ07	RET	2_LT_RFLCSpec8	1	0	0	5.91
RFLC2	LDGCZ07	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ07	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ07	RET	2_LT_RFLCSpec8	1	0.01	0	3.6
RFLC2	REFCZ07	RET	2_LT_RFLCSpec8	1	0.02	0	1.64
RFLC2	RETCZ07	RET	2_LT_RFLCSpec8	1	0.05	0	2.82
RFLC2	RSTCZ07	RET	2_LT_RFLCSpec8	1	0	0	5
RFLC2	SCHCZ07	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	SMOCZ07	RET	2_LT_RFLCSpec8	1	0	0	3.87
RFLC2	WRHCZ07	RET	2_LT_RFLCSpec8	1	0.02	0	1.1
RFLC1	COLCZ07	RET	2_LT_RFLCSpec4	1	0.44	0	10.61
RFLC1	GRCCZ07	RET	2_LT_RFLCSpec4	1	0.34	0.02	5.85
RFLC1	HLTCZ07	RET	2_LT_RFLCSpec4	1	0.27	0.03	9
RFLC1	LDGCZ07	RET	2_LT_RFLCSpec4	1	0.07	0	2.85
RFLC1	LGOCZ07	RET	2_LT_RFLCSpec4	1	0.49	0.09	10.53
RFLC1	MSCCZ07	RET	2_LT_RFLCSpec4	1	0.13	0	9.68
RFLC1	REFCZ07	RET	2_LT_RFLCSpec4	1	0.32	0.01	4.62
RFLC1	RETCZ07	RET	2_LT_RFLCSpec4	1	0.32	0	8.33
RFLC1	RSTCZ07	RET	2_LT_RFLCSpec4	1	0.24	0	10.23
RFLC1	SCHCZ07	RET	2_LT_RFLCSpec4	1	0.29	0.06	13.07
RFLC1	SMOCZ07	RET	2_LT_RFLCSpec4	1	0.5	0	11.56
RFLC1	WRHCZ07	RET	2_LT_RFLCSpec4	1	0.18	0.01	5.8
PC1	COLCZ07	CON	1_LT_PCNoCtrl	1	1	0	0.58
PC1	COLCZ07	CON	2_LT_PCPC	2	1	0.76	0.58
PC1	COLCZ07	CON	3_LT_PCTC	3	1	0.08	0.58
PC1	COLCZ07	CON	4_LT_PCPT	4	1	0.02	0.58
PC1	GRCCZ07	CON	1_LT_PCNoCtrl	1	1	0	1.39
PC1	GRCCZ07	CON	2_LT_PCPC	2	1	0.38	1.39
PC1	GRCCZ07	CON	3_LT_PCTC	3	1	0.23	1.39
PC1	GRCCZ07	CON	4_LT_PCPT	4	1	0.05	1.39
PC1	HLTCZ07	CON	1_LT_PCNoCtrl	1	1	0.01	0.36
PC1	HLTCZ07	CON	2_LT_PCPC	2	1	0.59	0.36
PC1	HLTCZ07	CON	3_LT_PCTC	3	1	0.23	0.36
PC1	HLTCZ07	CON	4_LT_PCPT	4	1	0.03	0.36
PC1	LDGCZ07	CON	1_LT_PCNoCtrl	1	1	0	0.41
PC1	LDGCZ07	CON	2_LT_PCPC	2	1	0.5	0.41

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	LDGCZ07	CON	3_LT_PCTC	3	1	0.42	0.41
PC1	LDGCZ07	CON	4_LT_PCPT	4	1	0.07	0.41
PC1	LGOCZ07	CON	1_LT_PCNoCtrl	1	1	0.05	0.39
PC1	LGOCZ07	CON	2_LT_PCPC	2	1	0.29	0.39
PC1	LGOCZ07	CON	3_LT_PCTC	3	1	0.48	0.39
PC1	LGOCZ07	CON	4_LT_PCPT	4	1	0.09	0.39
PC1	MSCCZ07	CON	1_LT_PCNoCtrl	1	1	0	0.75
PC1	MSCCZ07	CON	2_LT_PCPC	2	1	0.1	0.75
PC1	MSCCZ07	CON	3_LT_PCTC	3	1	0.43	0.75
PC1	MSCCZ07	CON	4_LT_PCPT	4	1	0.01	0.75
PC1	REFCZ07	CON	1_LT_PCNoCtrl	1	1	0	0.21
PC1	REFCZ07	CON	2_LT_PCPC	2	1	0.49	0.21
PC1	REFCZ07	CON	3_LT_PCTC	3	1	0.23	0.21
PC1	REFCZ07	CON	4_LT_PCPT	4	1	0.09	0.21
PC1	RETCZ07	CON	1_LT_PCNoCtrl	1	1	0	1
PC1	RETCZ07	CON	2_LT_PCPC	2	1	0.22	1
PC1	RETCZ07	CON	3_LT_PCTC	3	1	0.42	1
PC1	RETCZ07	CON	4_LT_PCPT	4	1	0.05	1
PC1	RSTCZ07	CON	1_LT_PCNoCtrl	1	1	0	1.84
PC1	RSTCZ07	CON	2_LT_PCPC	2	1	0.32	1.84
PC1	RSTCZ07	CON	3_LT_PCTC	3	1	0.34	1.84
PC1	RSTCZ07	CON	4_LT_PCPT	4	1	0.02	1.84
PC1	SCHCZ07	CON	1_LT_PCNoCtrl	1	1	0.01	0.41
PC1	SCHCZ07	CON	2_LT_PCPC	2	1	0.42	0.41
PC1	SCHCZ07	CON	3_LT_PCTC	3	1	0.34	0.41
PC1	SCHCZ07	CON	4_LT_PCPT	4	1	0.2	0.41
PC1	SMOCZ07	CON	1_LT_PCNoCtrl	1	1	0	1.9
PC1	SMOCZ07	CON	2_LT_PCPC	2	1	0.17	1.9
PC1	SMOCZ07	CON	3_LT_PCTC	3	1	0.32	1.9
PC1	SMOCZ07	CON	4_LT_PCPT	4	1	0.02	1.9
PC1	WRHCZ07	CON	1_LT_PCNoCtrl	1	1	0	0.13
PC1	WRHCZ07	CON	2_LT_PCPC	2	1	0.53	0.13
PC1	WRHCZ07	CON	3_LT_PCTC	3	1	0.31	0.13
PC1	WRHCZ07	CON	4_LT_PCPT	4	1	0.11	0.13
OCC2	COLCZ07	RET	2_LT_OCCPCDInst	1	0.67	0	3.65
OCC2	GRCCZ07	RET	2_LT_OCCPCDInst	1	0.43	0	0.57
OCC2	HLTCZ07	RET	2_LT_OCCPCDInst	1	0.46	0	2.86
OCC2	LDGCZ07	RET	2_LT_OCCPCDInst	1	0.22	0	2.88

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OCC2	LGOCZ07	RET	2_LT_OCCPCDInst	1	0.79	0	3.78
OCC2	MSCCZ07	RET	2_LT_OCCPCDInst	1	0.7	0	1.16
OCC2	REFCZ07	RET	2_LT_OCCPCDInst	1	0.33	0	0.59
OCC2	RETCZ07	RET	2_LT_OCCPCDInst	1	0.43	0	1.15
OCC2	RSTCZ07	RET	2_LT_OCCPCDInst	1	0.24	0	0.85
OCC2	SCHCZ07	RET	2_LT_OCCPCDInst	1	0.7	0	3.4
OCC2	SMOCZ07	RET	2_LT_OCCPCDInst	1	0.8	0	3.92
OCC2	WRHCZ07	RET	2_LT_OCCPCDInst	1	0.38	0	1.13
OCC1	COLCZ07	RET	2_LT_OCCMS	1	0.6	0.04	2.55
OCC1	GRCCZ07	RET	2_LT_OCCMS	1	0.1	0	1.83
OCC1	HLTCZ07	RET	2_LT_OCCMS	1	0.18	0.01	2.02
OCC1	LDGCZ07	RET	2_LT_OCCMS	1	0.03	0	1.73
OCC1	LGOCZ07	RET	2_LT_OCCMS	1	0.52	0.08	2.17
OCC1	MSCCZ07	RET	2_LT_OCCMS	1	0.1	0	2.16
OCC1	REFCZ07	RET	2_LT_OCCMS	1	0.3	0	1.03
OCC1	RETCZ07	RET	2_LT_OCCMS	1	0.25	0.01	1.49
OCC1	RSTCZ07	RET	2_LT_OCCMS	1	0.05	0	1.84
OCC1	SCHCZ07	RET	2_LT_OCCMS	1	0.68	0.11	2.74
OCC1	SMOCZ07	RET	2_LT_OCCMS	1	0.65	0	3.09
OCC1	WRHCZ07	RET	2_LT_OCCMS	1	0.6	0.01	0.97
INCAN6	COLCZ07	CON	1_LT_IRIP60	1	1	0.74	0.09
INCAN6	COLCZ07	CON	2_LT_CRCP14s	2	1	0.26	0.09
INCAN6	GRCCZ07	CON	1_LT_IRIP60	1	1	0.99	0.83
INCAN6	GRCCZ07	CON	2_LT_CRCP14s	2	1	0.01	0.83
INCAN6	HLTCZ07	CON	1_LT_IRIP60	1	1	0.85	0.46
INCAN6	HLTCZ07	CON	2_LT_CRCP14s	2	1	0.15	0.46
INCAN6	LDGCZ07	CON	1_LT_IRIP60	1	1	0.43	0.35
INCAN6	LDGCZ07	CON	2_LT_CRCP14s	2	1	0.57	0.35
INCAN6	LGOCZ07	CON	1_LT_IRIP60	1	1	0.87	0.08
INCAN6	LGOCZ07	CON	2_LT_CRCP14s	2	1	0.13	0.08
INCAN6	MSCCZ07	CON	1_LT_IRIP60	1	1	1	1.09
INCAN6	MSCCZ07	CON	2_LT_CRCP14s	2	1	0	1.09
INCAN6	REFCZ07	CON	1_LT_IRIP60	1	1	0.97	0.02
INCAN6	REFCZ07	CON	2_LT_CRCP14s	2	1	0.03	0.02
INCAN6	RETCZ07	CON	1_LT_IRIP60	1	1	0.99	2.16
INCAN6	RETCZ07	CON	2_LT_CRCP14s	2	1	0.01	2.16
INCAN6	RSTCZ07	CON	1_LT_IRIP60	1	1	0.94	1.43
INCAN6	RSTCZ07	CON	2_LT_CRCP14s	2	1	0.06	1.43

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	SCHCZ07	CON	1_LT_IRIP60	1	1	0.92	0.06
INCAN6	SCHCZ07	CON	2_LT_CRCP14s	2	1	0.08	0.06
INCAN6	SMOCZ07	CON	1_LT_IRIP60	1	1	0.94	0.62
INCAN6	SMOCZ07	CON	2_LT_CRCP14s	2	1	0.06	0.62
INCAN6	WRHCZ07	CON	1_LT_IRIP60	1	1	0.94	0.01
INCAN6	WRHCZ07	CON	2_LT_CRCP14s	2	1	0.06	0.01
INCAN5	COLCZ07	CON	1_LT_INC120	1	1	0	0.31
INCAN5	COLCZ07	CON	2_LT_CFL38s	2	1	0	0.31
INCAN5	COLCZ07	CON	3_LT_CFL38p	3	1	1	0.31
INCAN5	GRCCZ07	CON	1_LT_INC120	1	1	1	0.11
INCAN5	GRCCZ07	CON	2_LT_CFL38s	2	1	0	0.11
INCAN5	GRCCZ07	CON	3_LT_CFL38p	3	1	0	0.11
INCAN5	HLTCZ07	CON	1_LT_INC120	1	1	0.04	0.92
INCAN5	HLTCZ07	CON	2_LT_CFL38s	2	1	0.3	0.92
INCAN5	HLTCZ07	CON	3_LT_CFL38p	3	1	0.66	0.92
INCAN5	LDGCZ07	CON	1_LT_INC120	1	1	0.4	1.8
INCAN5	LDGCZ07	CON	2_LT_CFL38s	2	1	0.39	1.8
INCAN5	LDGCZ07	CON	3_LT_CFL38p	3	1	0.21	1.8
INCAN5	LGOCZ07	CON	1_LT_INC120	1	1	0.07	0.1
INCAN5	LGOCZ07	CON	2_LT_CFL38s	2	1	0.36	0.1
INCAN5	LGOCZ07	CON	3_LT_CFL38p	3	1	0.57	0.1
INCAN5	MSCCZ07	CON	1_LT_INC120	1	1	0.97	1.54
INCAN5	MSCCZ07	CON	2_LT_CFL38s	2	1	0.03	1.54
INCAN5	MSCCZ07	CON	3_LT_CFL38p	3	1	0	1.54
INCAN5	REFCZ07	CON	1_LT_INC120	1	1	0	0
INCAN5	REFCZ07	CON	2_LT_CFL38s	2	1	0	0
INCAN5	REFCZ07	CON	3_LT_CFL38p	3	1	0	0
INCAN5	RETCZ07	CON	1_LT_INC120	1	1	0.29	0.2
INCAN5	RETCZ07	CON	2_LT_CFL38s	2	1	0.71	0.2
INCAN5	RETCZ07	CON	3_LT_CFL38p	3	1	0	0.2
INCAN5	RSTCZ07	CON	1_LT_INC120	1	1	0.81	0.96
INCAN5	RSTCZ07	CON	2_LT_CFL38s	2	1	0.17	0.96
INCAN5	RSTCZ07	CON	3_LT_CFL38p	3	1	0.02	0.96
INCAN5	SCHCZ07	CON	1_LT_INC120	1	1	0.29	0.06
INCAN5	SCHCZ07	CON	2_LT_CFL38s	2	1	0.04	0.06
INCAN5	SCHCZ07	CON	3_LT_CFL38p	3	1	0.67	0.06
INCAN5	SMOCZ07	CON	1_LT_INC120	1	1	0.45	0.17
INCAN5	SMOCZ07	CON	2_LT_CFL38s	2	1	0.55	0.17

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	SMOCZ07	CON	3_LT_CFL38p	3	1	0	0.17
INCAN5	WRHCZ07	CON	1_LT_INC120	1	1	1	0.01
INCAN5	WRHCZ07	CON	2_LT_CFL38s	2	1	0	0.01
INCAN5	WRHCZ07	CON	3_LT_CFL38p	3	1	0	0.01
INCAN3	COLCZ07	CON	1_LT_INC75	1	1	0	0.21
INCAN3	COLCZ07	CON	2_LT_CFL20s	2	1	0.05	0.21
INCAN3	COLCZ07	CON	3_LT_CFL20p	3	1	0.95	0.21
INCAN3	GRCCZ07	CON	1_LT_INC75	1	1	0.21	0.36
INCAN3	GRCCZ07	CON	2_LT_CFL20s	2	1	0.64	0.36
INCAN3	GRCCZ07	CON	3_LT_CFL20p	3	1	0.15	0.36
INCAN3	HLTCZ07	CON	1_LT_INC75	1	1	0.25	0.77
INCAN3	HLTCZ07	CON	2_LT_CFL20s	2	1	0.45	0.77
INCAN3	HLTCZ07	CON	3_LT_CFL20p	3	1	0.3	0.77
INCAN3	LDGCZ07	CON	1_LT_INC75	1	1	0.11	4.85
INCAN3	LDGCZ07	CON	2_LT_CFL20s	2	1	0.69	4.85
INCAN3	LDGCZ07	CON	3_LT_CFL20p	3	1	0.2	4.85
INCAN3	LGOCZ07	CON	1_LT_INC75	1	1	0.18	0.51
INCAN3	LGOCZ07	CON	2_LT_CFL20s	2	1	0.36	0.51
INCAN3	LGOCZ07	CON	3_LT_CFL20p	3	1	0.45	0.51
INCAN3	MSCCZ07	CON	1_LT_INC75	1	1	0.09	0.6
INCAN3	MSCCZ07	CON	2_LT_CFL20s	2	1	0.07	0.6
INCAN3	MSCCZ07	CON	3_LT_CFL20p	3	1	0.85	0.6
INCAN3	REFCZ07	CON	1_LT_INC75	1	1	1	0.02
INCAN3	REFCZ07	CON	2_LT_CFL20s	2	1	0	0.02
INCAN3	REFCZ07	CON	3_LT_CFL20p	3	1	0	0.02
INCAN3	RETCZ07	CON	1_LT_INC75	1	1	0.06	0.52
INCAN3	RETCZ07	CON	2_LT_CFL20s	2	1	0.41	0.52
INCAN3	RETCZ07	CON	3_LT_CFL20p	3	1	0.53	0.52
INCAN3	RSTCZ07	CON	1_LT_INC75	1	1	0.86	2.31
INCAN3	RSTCZ07	CON	2_LT_CFL20s	2	1	0.08	2.31
INCAN3	RSTCZ07	CON	3_LT_CFL20p	3	1	0.06	2.31
INCAN3	SCHCZ07	CON	1_LT_INC75	1	1	0.07	0.8
INCAN3	SCHCZ07	CON	2_LT_CFL20s	2	1	0.45	0.8
INCAN3	SCHCZ07	CON	3_LT_CFL20p	3	1	0.49	0.8
INCAN3	SMOCZ07	CON	1_LT_INC75	1	1	0.57	0.51
INCAN3	SMOCZ07	CON	2_LT_CFL20s	2	1	0.07	0.51
INCAN3	SMOCZ07	CON	3_LT_CFL20p	3	1	0.36	0.51
INCAN3	WRHCZ07	CON	1_LT_INC75	1	1	0.25	0.06

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	WRHCZ07	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ07	CON	3_LT_CFL20p	3	1	0.57	0.06
INCAN2	COLCZ07	CON	1_LT_INC60	1	1	0.48	0.59
INCAN2	COLCZ07	CON	2_LT_CFL15s	2	1	0.36	0.59
INCAN2	COLCZ07	CON	3_LT_CFL15p	3	1	0.16	0.59
INCAN2	GRCCZ07	CON	1_LT_INC60	1	1	0.67	0.45
INCAN2	GRCCZ07	CON	2_LT_CFL15s	2	1	0.21	0.45
INCAN2	GRCCZ07	CON	3_LT_CFL15p	3	1	0.12	0.45
INCAN2	HLTCZ07	CON	1_LT_INC60	1	1	0.39	1.81
INCAN2	HLTCZ07	CON	2_LT_CFL15s	2	1	0.34	1.81
INCAN2	HLTCZ07	CON	3_LT_CFL15p	3	1	0.27	1.81
INCAN2	LDGCZ07	CON	1_LT_INC60	1	1	0.42	4.61
INCAN2	LDGCZ07	CON	2_LT_CFL15s	2	1	0.39	4.61
INCAN2	LDGCZ07	CON	3_LT_CFL15p	3	1	0.19	4.61
INCAN2	LGOCZ07	CON	1_LT_INC60	1	1	0.34	0.4
INCAN2	LGOCZ07	CON	2_LT_CFL15s	2	1	0.23	0.4
INCAN2	LGOCZ07	CON	3_LT_CFL15p	3	1	0.42	0.4
INCAN2	MSCCZ07	CON	1_LT_INC60	1	1	0.86	0.16
INCAN2	MSCCZ07	CON	2_LT_CFL15s	2	1	0.02	0.16
INCAN2	MSCCZ07	CON	3_LT_CFL15p	3	1	0.12	0.16
INCAN2	REFCZ07	CON	1_LT_INC60	1	1	0	0.01
INCAN2	REFCZ07	CON	2_LT_CFL15s	2	1	0.65	0.01
INCAN2	REFCZ07	CON	3_LT_CFL15p	3	1	0.35	0.01
INCAN2	RETCZ07	CON	1_LT_INC60	1	1	0.55	0.28
INCAN2	RETCZ07	CON	2_LT_CFL15s	2	1	0.37	0.28
INCAN2	RETCZ07	CON	3_LT_CFL15p	3	1	0.08	0.28
INCAN2	RSTCZ07	CON	1_LT_INC60	1	1	0.62	2.75
INCAN2	RSTCZ07	CON	2_LT_CFL15s	2	1	0.29	2.75
INCAN2	RSTCZ07	CON	3_LT_CFL15p	3	1	0.09	2.75
INCAN2	SCHCZ07	CON	1_LT_INC60	1	1	0.43	0.3
INCAN2	SCHCZ07	CON	2_LT_CFL15s	2	1	0.15	0.3
INCAN2	SCHCZ07	CON	3_LT_CFL15p	3	1	0.41	0.3
INCAN2	SMOCZ07	CON	1_LT_INC60	1	1	0.57	1.15
INCAN2	SMOCZ07	CON	2_LT_CFL15s	2	1	0.28	1.15
INCAN2	SMOCZ07	CON	3_LT_CFL15p	3	1	0.15	1.15
INCAN2	WRHCZ07	CON	1_LT_INC60	1	1	0.86	0.04
INCAN2	WRHCZ07	CON	2_LT_CFL15s	2	1	0.12	0.04
INCAN2	WRHCZ07	CON	3_LT_CFL15p	3	1	0.03	0.04



SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	COLCZ07	CON	1_LT_INC40	1	1	1	0.03
INCAN1	COLCZ07	CON	2_LT_CFL10_5s	2	1	0	0.03
INCAN1	COLCZ07	CON	3_LT_CFL10_5p	3	1	0	0.03
INCAN1	GRCCZ07	CON	1_LT_INC40	1	1	1	0.05
INCAN1	GRCCZ07	CON	2_LT_CFL10_5s	2	1	0	0.05
INCAN1	GRCCZ07	CON	3_LT_CFL10_5p	3	1	0	0.05
INCAN1	HLTCZ07	CON	1_LT_INC40	1	1	0.77	0.4
INCAN1	HLTCZ07	CON	2_LT_CFL10_5s	2	1	0	0.4
INCAN1	HLTCZ07	CON	3_LT_CFL10_5p	3	1	0.23	0.4
INCAN1	LDGCZ07	CON	1_LT_INC40	1	1	0.6	2.92
INCAN1	LDGCZ07	CON	2_LT_CFL10_5s	2	1	0.14	2.92
INCAN1	LDGCZ07	CON	3_LT_CFL10_5p	3	1	0.26	2.92
INCAN1	LGOCZ07	CON	1_LT_INC40	1	1	0.21	0.08
INCAN1	LGOCZ07	CON	2_LT_CFL10_5s	2	1	0.52	0.08
INCAN1	LGOCZ07	CON	3_LT_CFL10_5p	3	1	0.27	0.08
INCAN1	MSCCZ07	CON	1_LT_INC40	1	1	0.8	0.04
INCAN1	MSCCZ07	CON	2_LT_CFL10_5s	2	1	0.09	0.04
INCAN1	MSCCZ07	CON	3_LT_CFL10_5p	3	1	0.11	0.04
INCAN1	REFCZ07	CON	1_LT_INC40	1	1	0	0
INCAN1	REFCZ07	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	REFCZ07	CON	3_LT_CFL10_5p	3	1	0	0
INCAN1	RETCZ07	CON	1_LT_INC40	1	1	0.98	0.09
INCAN1	RETCZ07	CON	2_LT_CFL10_5s	2	1	0.02	0.09
INCAN1	RETCZ07	CON	3_LT_CFL10_5p	3	1	0	0.09
INCAN1	RSTCZ07	CON	1_LT_INC40	1	1	0.73	1.25
INCAN1	RSTCZ07	CON	2_LT_CFL10_5s	2	1	0.27	1.25
INCAN1	RSTCZ07	CON	3_LT_CFL10_5p	3	1	0	1.25
INCAN1	SCHCZ07	CON	1_LT_INC40	1	1	1	0.01
INCAN1	SCHCZ07	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	SCHCZ07	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	SMOCZ07	CON	1_LT_INC40	1	1	1	0.18
INCAN1	SMOCZ07	CON	2_LT_CFL10_5s	2	1	0	0.18
INCAN1	SMOCZ07	CON	3_LT_CFL10_5p	3	1	0	0.18
INCAN1	WRHCZ07	CON	1_LT_INC40	1	1	1	0
INCAN1	WRHCZ07	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	WRHCZ07	CON	3_LT_CFL10_5p	3	1	0	0
HID6	COLCZ07	CON	1_LT_MH400	1	1	0	1.25
HID6	COLCZ07	CON	2_LT_PS320	2	1	0	1.25

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	COLCZ07	CON	3_LT_HIDT5HO	3	1	0	1.25
HID6	GRCCZ07	CON	1_LT_MH400	1	1	0	2.28
HID6	GRCCZ07	CON	2_LT_PS320	2	1	0	2.28
HID6	GRCCZ07	CON	3_LT_HIDT5HO	3	1	0	2.28
HID6	HLTCZ07	CON	1_LT_MH400	1	1	0	1.36
HID6	HLTCZ07	CON	2_LT_PS320	2	1	0	1.36
HID6	HLTCZ07	CON	3_LT_HIDT5HO	3	1	0	1.36
HID6	LDGCZ07	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ07	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ07	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ07	CON	1_LT_MH400	1	1	0.04	0.09
HID6	LGOCZ07	CON	2_LT_PS320	2	1	0	0.09
HID6	LGOCZ07	CON	3_LT_HIDT5HO	3	1	0	0.09
HID6	MSCCZ07	CON	1_LT_MH400	1	1	0.01	1.84
HID6	MSCCZ07	CON	2_LT_PS320	2	1	0	1.84
HID6	MSCCZ07	CON	3_LT_HIDT5HO	3	1	0	1.84
HID6	REFCZ07	CON	1_LT_MH400	1	1	0.06	10.98
HID6	REFCZ07	CON	2_LT_PS320	2	1	0	10.98
HID6	REFCZ07	CON	3_LT_HIDT5HO	3	1	0	10.98
HID6	RETCZ07	CON	1_LT_MH400	1	1	0.06	3.05
HID6	RETCZ07	CON	2_LT_PS320	2	1	0	3.05
HID6	RETCZ07	CON	3_LT_HIDT5HO	3	1	0	3.05
HID6	RSTCZ07	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ07	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ07	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ07	CON	1_LT_MH400	1	1	0.01	2.36
HID6	SCHCZ07	CON	2_LT_PS320	2	1	0	2.36
HID6	SCHCZ07	CON	3_LT_HIDT5HO	3	1	0	2.36
HID6	SMOCZ07	CON	1_LT_MH400	1	1	0	0
HID6	SMOCZ07	CON	2_LT_PS320	2	1	0	0
HID6	SMOCZ07	CON	3_LT_HIDT5HO	3	1	0	0
HID6	WRHCZ07	CON	1_LT_MH400	1	1	0.28	1.09
HID6	WRHCZ07	CON	2_LT_PS320	2	1	0	1.09
HID6	WRHCZ07	CON	3_LT_HIDT5HO	3	1	0	1.09
HID4MV	COLCZ07	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ07	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ07	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ07	CON	2_LT_MH250mv	2	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	HLTCZ07	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ07	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ07	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ07	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ07	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ07	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ07	CON	1_LT_MV400	1	1	0	3.63
HID4MV	MSCCZ07	CON	2_LT_MH250mv	2	1	0	3.63
HID4MV	REFCZ07	CON	1_LT_MV400	1	1	0	0
HID4MV	REFCZ07	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RETCZ07	CON	1_LT_MV400	1	1	0	0
HID4MV	RETCZ07	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ07	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ07	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ07	CON	1_LT_MV400	1	1	0.01	2.08
HID4MV	SCHCZ07	CON	2_LT_MH250mv	2	1	0	2.08
HID4MV	SMOCZ07	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ07	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ07	CON	1_LT_MV400	1	1	0	18.68
HID4MV	WRHCZ07	CON	2_LT_MH250mv	2	1	0.01	18.68
HID4I	COLCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ07	CON	2_LT_MH250i	2	1	0.02	0.58
HID4I	GRCCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ07	CON	2_LT_MH250i	2	1	0.11	0.15
HID4I	HLTCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ07	CON	2_LT_MH250i	2	1	0	0
HID4I	LDGCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ07	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ07	CON	2_LT_MH250i	2	1	0.05	0.02
HID4I	MSCCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ07	CON	2_LT_MH250i	2	1	0	0.85
HID4I	REFCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ07	CON	2_LT_MH250i	2	1	0.03	4.37
HID4I	RETCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ07	CON	2_LT_MH250i	2	1	0.02	0.63
HID4I	RSTCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ07	CON	2_LT_MH250i	2	1	0	0

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4I	SCHCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ07	CON	2_LT_MH250i	2	1	0	1.48
HID4I	SMOCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ07	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ07	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ07	CON	2_LT_MH250i	2	1	0.1	0.65
HID3MV	COLCZ07	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ07	CON	2_LT_MH175mv	2	1	0	0
HID3MV	GRCCZ07	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ07	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ07	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ07	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ07	CON	1_LT_MV250	1	1	0	0.17
HID3MV	LDGCZ07	CON	2_LT_MH175mv	2	1	0	0.17
HID3MV	LGOCZ07	CON	1_LT_MV250	1	1	0	0
HID3MV	LGOCZ07	CON	2_LT_MH175mv	2	1	0	0
HID3MV	MSCCZ07	CON	1_LT_MV250	1	1	0	0
HID3MV	MSCCZ07	CON	2_LT_MH175mv	2	1	0	0
HID3MV	REFCZ07	CON	1_LT_MV250	1	1	0.01	7.84
HID3MV	REFCZ07	CON	2_LT_MH175mv	2	1	0	7.84
HID3MV	RETCZ07	CON	1_LT_MV250	1	1	0.01	1.28
HID3MV	RETCZ07	CON	2_LT_MH175mv	2	1	0.01	1.28
HID3MV	RSTCZ07	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ07	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ07	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ07	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ07	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ07	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ07	CON	1_LT_MV250	1	1	0.02	0.25
HID3MV	WRHCZ07	CON	2_LT_MH175mv	2	1	0	0.25
HID3I	COLCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ07	CON	2_LT_MH175i	2	1	0	1.41
HID3I	GRCCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ07	CON	2_LT_MH175i	2	1	0	0
HID3I	HLTCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ07	CON	2_LT_MH175i	2	1	0	1.69
HID3I	LDGCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ07	CON	2_LT_MH175i	2	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 7

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HID3I	LGOCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ07	CON	2_LT_MH175i	2	1	0.01	0.95
HID3I	MSCCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ07	CON	2_LT_MH175i	2	1	0.01	0.31
HID3I	REFCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	REFCZ07	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ07	CON	2_LT_MH175i	2	1	0.01	2.17
HID3I	RSTCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ07	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ07	CON	2_LT_MH175i	2	1	0.03	2.53
HID3I	SMOCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ07	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ07	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ07	CON	2_LT_MH175i	2	1	0.04	0.29
HID2MV	COLCZ07	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ07	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ07	CON	1_LT_MV175	1	1	0.01	4.55
HID2MV	GRCCZ07	CON	2_LT_MH100mv	2	1	0	4.55
HID2MV	HLTCZ07	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ07	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ07	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ07	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ07	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ07	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ07	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ07	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ07	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ07	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ07	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ07	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ07	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ07	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ07	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ07	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ07	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ07	CON	2_LT_MH100mv	2	1	0	0

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 7

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HID2MV	WRHCZ07	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ07	CON	2_LT_MH100mv	2	1	0	0
HID2I	COLCZ07	CON	1_LT_INC300	1	1	0.02	4.17
HID2I	COLCZ07	CON	2_LT_MH100i	2	1	0	4.17
HID2I	GRCCZ07	CON	1_LT_INC300	1	1	0.03	4.52
HID2I	GRCCZ07	CON	2_LT_MH100i	2	1	0.01	4.52
HID2I	HLTCZ07	CON	1_LT_INC300	1	1	0	1.23
HID2I	HLTCZ07	CON	2_LT_MH100i	2	1	0	1.23
HID2I	LDGCZ07	CON	1_LT_INC300	1	1	0.04	2.49
HID2I	LDGCZ07	CON	2_LT_MH100i	2	1	0	2.49
HID2I	LGOCZ07	CON	1_LT_INC300	1	1	0	2.24
HID2I	LGOCZ07	CON	2_LT_MH100i	2	1	0	2.24
HID2I	MSCCZ07	CON	1_LT_INC300	1	1	0	2.06
HID2I	MSCCZ07	CON	2_LT_MH100i	2	1	0	2.06
HID2I	REFCZ07	CON	1_LT_INC300	1	1	0	0
HID2I	REFCZ07	CON	2_LT_MH100i	2	1	0	0
HID2I	RETCZ07	CON	1_LT_INC300	1	1	0.02	17.39
HID2I	RETCZ07	CON	2_LT_MH100i	2	1	0	17.39
HID2I	RSTCZ07	CON	1_LT_INC300	1	1	0	14.81
HID2I	RSTCZ07	CON	2_LT_MH100i	2	1	0	14.81
HID2I	SCHCZ07	CON	1_LT_INC300	1	1	0.01	2.88
HID2I	SCHCZ07	CON	2_LT_MH100i	2	1	0	2.88
HID2I	SMOCZ07	CON	1_LT_INC300	1	1	0	1.47
HID2I	SMOCZ07	CON	2_LT_MH100i	2	1	0.02	1.47
HID2I	WRHCZ07	CON	1_LT_INC300	1	1	0	0
HID2I	WRHCZ07	CON	2_LT_MH100i	2	1	0	0
HID1MV	COLCZ07	CON	1_LT_MV100	1	1	0	0.38
HID1MV	COLCZ07	CON	2_LT_MH70mv	2	1	0	0.38
HID1MV	GRCCZ07	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ07	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ07	CON	1_LT_MV100	1	1	0	5.42
HID1MV	HLTCZ07	CON	2_LT_MH70mv	2	1	0	5.42
HID1MV	LDGCZ07	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ07	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ07	CON	1_LT_MV100	1	1	0	0
HID1MV	LGOCZ07	CON	2_LT_MH70mv	2	1	0	0
HID1MV	MSCCZ07	CON	1_LT_MV100	1	1	0	0
HID1MV	MSCCZ07	CON	2_LT_MH70mv	2	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 7

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HID1MV	REFCZ07	CON	1_LT_MV100	1	1	0	0
HID1MV	REFCZ07	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RETCZ07	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ07	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ07	CON	1_LT_MV100	1	1	0	0
HID1MV	RSTCZ07	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SCHCZ07	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ07	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ07	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ07	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ07	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ07	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ07	CON	1_LT_INC200	1	1	0	5.63
HID1I	COLCZ07	CON	2_LT_MH70i	2	1	0	5.63
HID1I	GRCCZ07	CON	1_LT_INC200	1	1	0.01	6.05
HID1I	GRCCZ07	CON	2_LT_MH70i	2	1	0	6.05
HID1I	HLTCZ07	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ07	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ07	CON	1_LT_INC200	1	1	0	239.48
HID1I	LDGCZ07	CON	2_LT_MH70i	2	1	0	239.48
HID1I	LGOCZ07	CON	1_LT_INC200	1	1	0.01	1.66
HID1I	LGOCZ07	CON	2_LT_MH70i	2	1	0	1.66
HID1I	MSCCZ07	CON	1_LT_INC200	1	1	0	143.65
HID1I	MSCCZ07	CON	2_LT_MH70i	2	1	0	143.65
HID1I	REFCZ07	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ07	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ07	CON	1_LT_INC200	1	1	0.01	58.59
HID1I	RETCZ07	CON	2_LT_MH70i	2	1	0	58.59
HID1I	RSTCZ07	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ07	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ07	CON	1_LT_INC200	1	1	0	5.35
HID1I	SCHCZ07	CON	2_LT_MH70i	2	1	0	5.35
HID1I	SMOCZ07	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ07	CON	2_LT_MH70i	2	1	0	0
HID1I	WRHCZ07	CON	1_LT_INC200	1	1	0	4.02
HID1I	WRHCZ07	CON	2_LT_MH70i	2	1	0	4.02
HID13MV	COLCZ07	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ07	CON	2_LT_EXPS250mv	2	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13MV	GRCCZ07	CON	1_LT_EXMV400	1	1	1	0
HID13MV	GRCCZ07	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	HLTCZ07	CON	1_LT_EXMV400	1	1	1	0.08
HID13MV	HLTCZ07	CON	2_LT_EXPS250mv	2	1	0	0.08
HID13MV	LDGCZ07	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ07	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ07	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ07	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ07	CON	1_LT_EXMV400	1	1	1	0
HID13MV	MSCCZ07	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	REFCZ07	CON	1_LT_EXMV400	1	1	1	0
HID13MV	REFCZ07	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RETCZ07	CON	1_LT_EXMV400	1	1	1	0
HID13MV	RETCZ07	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RSTCZ07	CON	1_LT_EXMV400	1	1	1	0.02
HID13MV	RSTCZ07	CON	2_LT_EXPS250mv	2	1	0	0.02
HID13MV	SCHCZ07	CON	1_LT_EXMV400	1	1	1	0
HID13MV	SCHCZ07	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ07	CON	1_LT_EXMV400	1	1	1	0.21
HID13MV	SMOCZ07	CON	2_LT_EXPS250mv	2	1	0	0.21
HID13MV	WRHCZ07	CON	1_LT_EXMV400	1	1	1	0
HID13MV	WRHCZ07	CON	2_LT_EXPS250mv	2	1	0	0
HID13I	COLCZ07	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ07	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ07	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ07	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ07	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ07	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ07	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ07	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ07	CON	1_LT_EXINC700	1	1	0	0
HID13I	LGOCZ07	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ07	CON	1_LT_EXINC700	1	1	0	0
HID13I	MSCCZ07	CON	2_LT_EXPS250i	2	1	1	0
HID13I	REFCZ07	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ07	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ07	CON	1_LT_EXINC700	1	1	0	0
HID13I	RETCZ07	CON	2_LT_EXPS250i	2	1	1	0



SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	RSTCZ07	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RSTCZ07	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	SCHCZ07	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ07	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ07	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ07	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ07	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ07	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ07	CON	1_LT_EXMV250	1	1	0	0
HID12MV	COLCZ07	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ07	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	GRCCZ07	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	HLTCZ07	CON	1_LT_EXMV250	1	1	1	0
HID12MV	HLTCZ07	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ07	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LDGCZ07	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ07	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	LGOCZ07	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	MSCCZ07	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	MSCCZ07	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	REFCZ07	CON	1_LT_EXMV250	1	1	1	0.02
HID12MV	REFCZ07	CON	2_LT_EXPS175mv	2	1	0	0.02
HID12MV	RETCZ07	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ07	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ07	CON	1_LT_EXMV250	1	1	1	0
HID12MV	RSTCZ07	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ07	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	SCHCZ07	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	SMOCZ07	CON	1_LT_EXMV250	1	1	1	0
HID12MV	SMOCZ07	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ07	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ07	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ07	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	GRCCZ07	CON	2_LT_EXPS175i	2	1	0	0
HID12I	HLTCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ07	CON	2_LT_EXPS175i	2	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12I	LDGCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ07	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ07	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ07	CON	2_LT_EXPS175i	2	1	1	0
HID12I	REFCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ07	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ07	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ07	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ07	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ07	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ07	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ07	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ07	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ07	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ07	CON	1_LT_EXMV175	1	1	1	0.03
HID11MV	GRCCZ07	CON	2_LT_EXMH100mv	2	1	0	0.03
HID11MV	HLTCZ07	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	HLTCZ07	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	LDGCZ07	CON	1_LT_EXMV175	1	1	1	0
HID11MV	LDGCZ07	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ07	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	LGOCZ07	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	MSCCZ07	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	MSCCZ07	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	REFCZ07	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ07	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ07	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	RETCZ07	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	RSTCZ07	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	RSTCZ07	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	SCHCZ07	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	SCHCZ07	CON	2_LT_EXMH100mv	2	1	0	0.01

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	SMOCZ07	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	SMOCZ07	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	WRHCZ07	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	WRHCZ07	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11I	COLCZ07	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	COLCZ07	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	GRCCZ07	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	GRCCZ07	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	HLTCZ07	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	HLTCZ07	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	LDGCZ07	CON	1_LT_EXINC300	1	1	0.05	0.08
HID11I	LDGCZ07	CON	2_LT_EXMH100i	2	1	0.95	0.08
HID11I	LGOCZ07	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	LGOCZ07	CON	2_LT_EXMH100i	2	1	1	0.02
HID11I	MSCCZ07	CON	1_LT_EXINC300	1	1	0.02	0.02
HID11I	MSCCZ07	CON	2_LT_EXMH100i	2	1	0.98	0.02
HID11I	REFCZ07	CON	1_LT_EXINC300	1	1	0	0
HID11I	REFCZ07	CON	2_LT_EXMH100i	2	1	1	0
HID11I	RETCZ07	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ07	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ07	CON	1_LT_EXINC300	1	1	0	0.43
HID11I	RSTCZ07	CON	2_LT_EXMH100i	2	1	1	0.43
HID11I	SCHCZ07	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	SCHCZ07	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	SMOCZ07	CON	1_LT_EXINC300	1	1	0.47	0.2
HID11I	SMOCZ07	CON	2_LT_EXMH100i	2	1	0.53	0.2
HID11I	WRHCZ07	CON	1_LT_EXINC300	1	1	0.53	0
HID11I	WRHCZ07	CON	2_LT_EXMH100i	2	1	0.47	0
FLUOR4A	COLCZ07	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	COLCZ07	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	GRCCZ07	CON	1_LT_8T12	1	1	0.58	2.68
FLUOR4A	GRCCZ07	CON	2_LT_8T82ndG	2	1	0.42	2.68
FLUOR4A	HLTCZ07	CON	1_LT_8T12	1	1	1	0.1
FLUOR4A	HLTCZ07	CON	2_LT_8T82ndG	2	1	0	0.1
FLUOR4A	LDGCZ07	CON	1_LT_8T12	1	1	0.97	0.03
FLUOR4A	LDGCZ07	CON	2_LT_8T82ndG	2	1	0.03	0.03
FLUOR4A	LGOCZ07	CON	1_LT_8T12	1	1	0.58	0.11
FLUOR4A	LGOCZ07	CON	2_LT_8T82ndG	2	1	0.42	0.11

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR4A	MSCCZ07	CON	1_LT_8T12	1	1	1	1.38
FLUOR4A	MSCCZ07	CON	2_LT_8T82ndG	2	1	0	1.38
FLUOR4A	REFCZ07	CON	1_LT_8T12	1	1	1	0.39
FLUOR4A	REFCZ07	CON	2_LT_8T82ndG	2	1	0	0.39
FLUOR4A	RETCZ07	CON	1_LT_8T12	1	1	0.84	1.57
FLUOR4A	RETCZ07	CON	2_LT_8T82ndG	2	1	0.16	1.57
FLUOR4A	RSTCZ07	CON	1_LT_8T12	1	1	1	0.47
FLUOR4A	RSTCZ07	CON	2_LT_8T82ndG	2	1	0	0.47
FLUOR4A	SCHCZ07	CON	1_LT_8T12	1	1	0.61	0.43
FLUOR4A	SCHCZ07	CON	2_LT_8T82ndG	2	1	0.39	0.43
FLUOR4A	SMOCZ07	CON	1_LT_8T12	1	1	0.89	0.12
FLUOR4A	SMOCZ07	CON	2_LT_8T82ndG	2	1	0.11	0.12
FLUOR4A	WRHCZ07	CON	1_LT_8T12	1	1	0.95	0.95
FLUOR4A	WRHCZ07	CON	2_LT_8T82ndG	2	1	0.05	0.95
FLUOR1A	COLCZ07	CON	1_LT_4T12	1	1	0.18	8.7
FLUOR1A	COLCZ07	CON	2_LT_4T8_5	2	1	0.82	8.7
FLUOR1A	GRCCZ07	CON	1_LT_4T12	1	1	0.24	5.91
FLUOR1A	GRCCZ07	CON	2_LT_4T8_5	2	1	0.76	5.91
FLUOR1A	HLTCZ07	CON	1_LT_4T12	1	1	0.21	7.61
FLUOR1A	HLTCZ07	CON	2_LT_4T8_5	2	1	0.79	7.61
FLUOR1A	LDGCZ07	CON	1_LT_4T12	1	1	0.44	2.59
FLUOR1A	LDGCZ07	CON	2_LT_4T8_5	2	1	0.56	2.59
FLUOR1A	LGOCZ07	CON	1_LT_4T12	1	1	0.05	6.96
FLUOR1A	LGOCZ07	CON	2_LT_4T8_5	2	1	0.95	6.96
FLUOR1A	MSCCZ07	CON	1_LT_4T12	1	1	0.8	1.7
FLUOR1A	MSCCZ07	CON	2_LT_4T8_5	2	1	0.2	1.7
FLUOR1A	REFCZ07	CON	1_LT_4T12	1	1	0.28	0.86
FLUOR1A	REFCZ07	CON	2_LT_4T8_5	2	1	0.72	0.86
FLUOR1A	RETCZ07	CON	1_LT_4T12	1	1	0.28	4.68
FLUOR1A	RETCZ07	CON	2_LT_4T8_5	2	1	0.72	4.68
FLUOR1A	RSTCZ07	CON	1_LT_4T12	1	1	0.65	3.47
FLUOR1A	RSTCZ07	CON	2_LT_4T8_5	2	1	0.35	3.47
FLUOR1A	SCHCZ07	CON	1_LT_4T12	1	1	0.23	7.61
FLUOR1A	SCHCZ07	CON	2_LT_4T8_5	2	1	0.77	7.61
FLUOR1A	SMOCZ07	CON	1_LT_4T12	1	1	0.71	4.75
FLUOR1A	SMOCZ07	CON	2_LT_4T8_5	2	1	0.29	4.75
FLUOR1A	WRHCZ07	CON	1_LT_4T12	1	1	0.37	1.12
FLUOR1A	WRHCZ07	CON	2_LT_4T8_5	2	1	0.63	1.12

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
EXIT1	COLCZ07	RET	2_LT_EXLED	1	1	0.82	0.43
EXIT1	GRCCZ07	RET	2_LT_EXLED	1	1	0.32	0.36
EXIT1	HLTCZ07	RET	2_LT_EXLED	1	1	0.77	0.46
EXIT1	LDGCZ07	RET	2_LT_EXLED	1	1	0.19	0.4
EXIT1	LGOCZ07	RET	2_LT_EXLED	1	1	0.57	0.62
EXIT1	MSCCZ07	RET	2_LT_EXLED	1	1	0.4	0.52
EXIT1	REFCZ07	RET	2_LT_EXLED	1	1	0.21	0.05
EXIT1	RETCZ07	RET	2_LT_EXLED	1	1	0.25	0.32
EXIT1	RSTCZ07	RET	2_LT_EXLED	1	1	0.24	0.74
EXIT1	SCHCZ07	RET	2_LT_EXLED	1	1	0.48	0.46
EXIT1	SMOCZ07	RET	2_LT_EXLED	1	1	0.68	0.88
EXIT1	WRHCZ07	RET	2_LT_EXLED	1	1	0.54	0.17
DL1	COLCZ07	RET	2_LT_DLInst	1	0	0	0
DL1	GRCCZ07	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ07	RET	2_LT_DLInst	1	0	0	0
DL1	LDGCZ07	RET	2_LT_DLInst	1	0	0	0
DL1	LGOCZ07	RET	2_LT_DLInst	1	0.12	0	25.59
DL1	MSCCZ07	RET	2_LT_DLInst	1	0	0	9.07
DL1	REFCZ07	RET	2_LT_DLInst	1	0	0	0
DL1	RETCZ07	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ07	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ07	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ07	RET	2_LT_DLInst	1	0.02	0	29.39
DL1	WRHCZ07	RET	2_LT_DLInst	1	0	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ10	RET	2_LT_RFLCSpec8	1	0	0	4.62
RFLC2	GRCCZ10	RET	2_LT_RFLCSpec8	1	0	0	0.97
RFLC2	HLTCZ10	RET	2_LT_RFLCSpec8	1	0	0	5.91
RFLC2	LDGCZ10	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ10	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ10	RET	2_LT_RFLCSpec8	1	0.01	0	3.6
RFLC2	REFCZ10	RET	2_LT_RFLCSpec8	1	0.02	0	1.64
RFLC2	RETCZ10	RET	2_LT_RFLCSpec8	1	0.05	0	2.82
RFLC2	RSTCZ10	RET	2_LT_RFLCSpec8	1	0	0	5
RFLC2	SCHCZ10	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	SMOCZ10	RET	2_LT_RFLCSpec8	1	0	0	3.87
RFLC2	WRHCZ10	RET	2_LT_RFLCSpec8	1	0.02	0	1.1
RFLC1	COLCZ10	RET	2_LT_RFLCSpec4	1	0.44	0	10.61
RFLC1	GRCCZ10	RET	2_LT_RFLCSpec4	1	0.34	0.02	5.85
RFLC1	HLTCZ10	RET	2_LT_RFLCSpec4	1	0.27	0.03	9
RFLC1	LDGCZ10	RET	2_LT_RFLCSpec4	1	0.07	0	2.85
RFLC1	LGOCZ10	RET	2_LT_RFLCSpec4	1	0.49	0.09	10.53
RFLC1	MSCCZ10	RET	2_LT_RFLCSpec4	1	0.13	0	9.68
RFLC1	REFCZ10	RET	2_LT_RFLCSpec4	1	0.32	0.01	4.62
RFLC1	RETCZ10	RET	2_LT_RFLCSpec4	1	0.32	0	8.33
RFLC1	RSTCZ10	RET	2_LT_RFLCSpec4	1	0.24	0	10.23
RFLC1	SCHCZ10	RET	2_LT_RFLCSpec4	1	0.29	0.06	13.07
RFLC1	SMOCZ10	RET	2_LT_RFLCSpec4	1	0.5	0	11.56
RFLC1	WRHCZ10	RET	2_LT_RFLCSpec4	1	0.18	0.01	5.8
PC1	COLCZ10	CON	1_LT_PCNoCtrl	1	1	0	0.58
PC1	COLCZ10	CON	2_LT_PCPC	2	1	0.76	0.58
PC1	COLCZ10	CON	3_LT_PCTC	3	1	0.08	0.58
PC1	COLCZ10	CON	4_LT_PCPT	4	1	0.02	0.58
PC1	GRCCZ10	CON	1_LT_PCNoCtrl	1	1	0	1.39
PC1	GRCCZ10	CON	2_LT_PCPC	2	1	0.38	1.39
PC1	GRCCZ10	CON	3_LT_PCTC	3	1	0.23	1.39
PC1	GRCCZ10	CON	4_LT_PCPT	4	1	0.05	1.39
PC1	HLTCZ10	CON	1_LT_PCNoCtrl	1	1	0.01	0.36
PC1	HLTCZ10	CON	2_LT_PCPC	2	1	0.59	0.36
PC1	HLTCZ10	CON	3_LT_PCTC	3	1	0.23	0.36

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ10	CON	4_LT_PCPT	4	1	0.03	0.36
PC1	LDGCZ10	CON	1_LT_PCNoCtrl	1	1	0	0.41
PC1	LDGCZ10	CON	2_LT_PCPC	2	1	0.5	0.41
PC1	LDGCZ10	CON	3_LT_PCTC	3	1	0.42	0.41
PC1	LDGCZ10	CON	4_LT_PCPT	4	1	0.07	0.41
PC1	LGOCZ10	CON	1_LT_PCNoCtrl	1	1	0.05	0.39
PC1	LGOCZ10	CON	2_LT_PCPC	2	1	0.29	0.39
PC1	LGOCZ10	CON	3_LT_PCTC	3	1	0.48	0.39
PC1	LGOCZ10	CON	4_LT_PCPT	4	1	0.09	0.39
PC1	MSCCZ10	CON	1_LT_PCNoCtrl	1	1	0	0.75
PC1	MSCCZ10	CON	2_LT_PCPC	2	1	0.1	0.75
PC1	MSCCZ10	CON	3_LT_PCTC	3	1	0.43	0.75
PC1	MSCCZ10	CON	4_LT_PCPT	4	1	0.01	0.75
PC1	REFCZ10	CON	1_LT_PCNoCtrl	1	1	0	0.21
PC1	REFCZ10	CON	2_LT_PCPC	2	1	0.49	0.21
PC1	REFCZ10	CON	3_LT_PCTC	3	1	0.23	0.21
PC1	REFCZ10	CON	4_LT_PCPT	4	1	0.09	0.21
PC1	RETCZ10	CON	1_LT_PCNoCtrl	1	1	0	1
PC1	RETCZ10	CON	2_LT_PCPC	2	1	0.22	1
PC1	RETCZ10	CON	3_LT_PCTC	3	1	0.42	1
PC1	RETCZ10	CON	4_LT_PCPT	4	1	0.05	1
PC1	RSTCZ10	CON	1_LT_PCNoCtrl	1	1	0	1.84
PC1	RSTCZ10	CON	2_LT_PCPC	2	1	0.32	1.84
PC1	RSTCZ10	CON	3_LT_PCTC	3	1	0.34	1.84
PC1	RSTCZ10	CON	4_LT_PCPT	4	1	0.02	1.84
PC1	SCHCZ10	CON	1_LT_PCNoCtrl	1	1	0.01	0.41
PC1	SCHCZ10	CON	2_LT_PCPC	2	1	0.42	0.41
PC1	SCHCZ10	CON	3_LT_PCTC	3	1	0.34	0.41
PC1	SCHCZ10	CON	4_LT_PCPT	4	1	0.2	0.41
PC1	SMOCZ10	CON	1_LT_PCNoCtrl	1	1	0	1.9
PC1	SMOCZ10	CON	2_LT_PCPC	2	1	0.17	1.9
PC1	SMOCZ10	CON	3_LT_PCTC	3	1	0.32	1.9
PC1	SMOCZ10	CON	4_LT_PCPT	4	1	0.02	1.9
PC1	WRHCZ10	CON	1_LT_PCNoCtrl	1	1	0	0.13
PC1	WRHCZ10	CON	2_LT_PCPC	2	1	0.53	0.13

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ10	CON	3_LT_PCTC	3	1	0.31	0.13
PC1	WRHCZ10	CON	4_LT_PCPT	4	1	0.11	0.13
OCC2	COLCZ10	RET	2_LT_OCCPCDInst	1	0.67	0	3.65
OCC2	GRCCZ10	RET	2_LT_OCCPCDInst	1	0.43	0	0.57
OCC2	HLTCZ10	RET	2_LT_OCCPCDInst	1	0.46	0	2.86
OCC2	LDGCZ10	RET	2_LT_OCCPCDInst	1	0.22	0	2.88
OCC2	LGOCZ10	RET	2_LT_OCCPCDInst	1	0.79	0	3.78
OCC2	MSCCZ10	RET	2_LT_OCCPCDInst	1	0.7	0	1.16
OCC2	REFCZ10	RET	2_LT_OCCPCDInst	1	0.33	0	0.59
OCC2	RETCZ10	RET	2_LT_OCCPCDInst	1	0.43	0	1.15
OCC2	RSTCZ10	RET	2_LT_OCCPCDInst	1	0.24	0	0.85
OCC2	SCHCZ10	RET	2_LT_OCCPCDInst	1	0.7	0	3.4
OCC2	SMOCZ10	RET	2_LT_OCCPCDInst	1	0.8	0	3.92
OCC2	WRHCZ10	RET	2_LT_OCCPCDInst	1	0.38	0	1.13
OCC1	COLCZ10	RET	2_LT_OCCMS	1	0.6	0.04	2.55
OCC1	GRCCZ10	RET	2_LT_OCCMS	1	0.1	0	1.83
OCC1	HLTCZ10	RET	2_LT_OCCMS	1	0.18	0.01	2.02
OCC1	LDGCZ10	RET	2_LT_OCCMS	1	0.03	0	1.73
OCC1	LGOCZ10	RET	2_LT_OCCMS	1	0.52	0.08	2.17
OCC1	MSCCZ10	RET	2_LT_OCCMS	1	0.1	0	2.16
OCC1	REFCZ10	RET	2_LT_OCCMS	1	0.3	0	1.03
OCC1	RETCZ10	RET	2_LT_OCCMS	1	0.25	0.01	1.49
OCC1	RSTCZ10	RET	2_LT_OCCMS	1	0.05	0	1.84
OCC1	SCHCZ10	RET	2_LT_OCCMS	1	0.68	0.11	2.74
OCC1	SMOCZ10	RET	2_LT_OCCMS	1	0.65	0	3.09
OCC1	WRHCZ10	RET	2_LT_OCCMS	1	0.6	0.01	0.97
INCAN6	COLCZ10	CON	1_LT_IRIP60	1	1	0.74	0.09
INCAN6	COLCZ10	CON	2_LT_CRCP14s	2	1	0.26	0.09
INCAN6	GRCCZ10	CON	1_LT_IRIP60	1	1	0.99	0.83
INCAN6	GRCCZ10	CON	2_LT_CRCP14s	2	1	0.01	0.83
INCAN6	HLTCZ10	CON	1_LT_IRIP60	1	1	0.85	0.46
INCAN6	HLTCZ10	CON	2_LT_CRCP14s	2	1	0.15	0.46
INCAN6	LDGCZ10	CON	1_LT_IRIP60	1	1	0.43	0.35
INCAN6	LDGCZ10	CON	2_LT_CRCP14s	2	1	0.57	0.35
INCAN6	LGOCZ10	CON	1_LT_IRIP60	1	1	0.87	0.08



SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ10	CON	2_LT_CRCP14s	2	1	0.13	0.08
INCAN6	MSCCZ10	CON	1_LT_IRIP60	1	1	1	1.09
INCAN6	MSCCZ10	CON	2_LT_CRCP14s	2	1	0	1.09
INCAN6	REFCZ10	CON	1_LT_IRIP60	1	1	0.97	0.02
INCAN6	REFCZ10	CON	2_LT_CRCP14s	2	1	0.03	0.02
INCAN6	RETCZ10	CON	1_LT_IRIP60	1	1	0.99	2.16
INCAN6	RETCZ10	CON	2_LT_CRCP14s	2	1	0.01	2.16
INCAN6	RSTCZ10	CON	1_LT_IRIP60	1	1	0.94	1.43
INCAN6	RSTCZ10	CON	2_LT_CRCP14s	2	1	0.06	1.43
INCAN6	SCHCZ10	CON	1_LT_IRIP60	1	1	0.92	0.06
INCAN6	SCHCZ10	CON	2_LT_CRCP14s	2	1	0.08	0.06
INCAN6	SMOCZ10	CON	1_LT_IRIP60	1	1	0.94	0.62
INCAN6	SMOCZ10	CON	2_LT_CRCP14s	2	1	0.06	0.62
INCAN6	WRHCZ10	CON	1_LT_IRIP60	1	1	0.94	0.01
INCAN6	WRHCZ10	CON	2_LT_CRCP14s	2	1	0.06	0.01
INCAN5	COLCZ10	CON	1_LT_INC120	1	1	0	0.31
INCAN5	COLCZ10	CON	2_LT_CFL38s	2	1	0	0.31
INCAN5	COLCZ10	CON	3_LT_CFL38p	3	1	1	0.31
INCAN5	GRCCZ10	CON	1_LT_INC120	1	1	1	0.11
INCAN5	GRCCZ10	CON	2_LT_CFL38s	2	1	0	0.11
INCAN5	GRCCZ10	CON	3_LT_CFL38p	3	1	0	0.11
INCAN5	HLTCZ10	CON	1_LT_INC120	1	1	0.04	0.92
INCAN5	HLTCZ10	CON	2_LT_CFL38s	2	1	0.3	0.92
INCAN5	HLTCZ10	CON	3_LT_CFL38p	3	1	0.66	0.92
INCAN5	LDGCZ10	CON	1_LT_INC120	1	1	0.4	1.8
INCAN5	LDGCZ10	CON	2_LT_CFL38s	2	1	0.39	1.8
INCAN5	LDGCZ10	CON	3_LT_CFL38p	3	1	0.21	1.8
INCAN5	LGOCZ10	CON	1_LT_INC120	1	1	0.07	0.1
INCAN5	LGOCZ10	CON	2_LT_CFL38s	2	1	0.36	0.1
INCAN5	LGOCZ10	CON	3_LT_CFL38p	3	1	0.57	0.1
INCAN5	MSCCZ10	CON	1_LT_INC120	1	1	0.97	1.54
INCAN5	MSCCZ10	CON	2_LT_CFL38s	2	1	0.03	1.54
INCAN5	MSCCZ10	CON	3_LT_CFL38p	3	1	0	1.54
INCAN5	REFCZ10	CON	1_LT_INC120	1	1	0	0
INCAN5	REFCZ10	CON	2_LT_CFL38s	2	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ10	CON	3_LT_CFL38p	3	1	0	0
INCAN5	RETCZ10	CON	1_LT_INC120	1	1	0.29	0.2
INCAN5	RETCZ10	CON	2_LT_CFL38s	2	1	0.71	0.2
INCAN5	RETCZ10	CON	3_LT_CFL38p	3	1	0	0.2
INCAN5	RSTCZ10	CON	1_LT_INC120	1	1	0.81	0.96
INCAN5	RSTCZ10	CON	2_LT_CFL38s	2	1	0.17	0.96
INCAN5	RSTCZ10	CON	3_LT_CFL38p	3	1	0.02	0.96
INCAN5	SCHCZ10	CON	1_LT_INC120	1	1	0.29	0.06
INCAN5	SCHCZ10	CON	2_LT_CFL38s	2	1	0.04	0.06
INCAN5	SCHCZ10	CON	3_LT_CFL38p	3	1	0.67	0.06
INCAN5	SMOCZ10	CON	1_LT_INC120	1	1	0.45	0.17
INCAN5	SMOCZ10	CON	2_LT_CFL38s	2	1	0.55	0.17
INCAN5	SMOCZ10	CON	3_LT_CFL38p	3	1	0	0.17
INCAN5	WRHCZ10	CON	1_LT_INC120	1	1	1	0.01
INCAN5	WRHCZ10	CON	2_LT_CFL38s	2	1	0	0.01
INCAN5	WRHCZ10	CON	3_LT_CFL38p	3	1	0	0.01
INCAN3	COLCZ10	CON	1_LT_INC75	1	1	0	0.21
INCAN3	COLCZ10	CON	2_LT_CFL20s	2	1	0.05	0.21
INCAN3	COLCZ10	CON	3_LT_CFL20p	3	1	0.95	0.21
INCAN3	GRCCZ10	CON	1_LT_INC75	1	1	0.21	0.36
INCAN3	GRCCZ10	CON	2_LT_CFL20s	2	1	0.64	0.36
INCAN3	GRCCZ10	CON	3_LT_CFL20p	3	1	0.15	0.36
INCAN3	HLTCZ10	CON	1_LT_INC75	1	1	0.25	0.77
INCAN3	HLTCZ10	CON	2_LT_CFL20s	2	1	0.45	0.77
INCAN3	HLTCZ10	CON	3_LT_CFL20p	3	1	0.3	0.77
INCAN3	LDGCZ10	CON	1_LT_INC75	1	1	0.11	4.85
INCAN3	LDGCZ10	CON	2_LT_CFL20s	2	1	0.69	4.85
INCAN3	LDGCZ10	CON	3_LT_CFL20p	3	1	0.2	4.85
INCAN3	LGOCZ10	CON	1_LT_INC75	1	1	0.18	0.51
INCAN3	LGOCZ10	CON	2_LT_CFL20s	2	1	0.36	0.51
INCAN3	LGOCZ10	CON	3_LT_CFL20p	3	1	0.45	0.51
INCAN3	MSCCZ10	CON	1_LT_INC75	1	1	0.09	0.6
INCAN3	MSCCZ10	CON	2_LT_CFL20s	2	1	0.07	0.6
INCAN3	MSCCZ10	CON	3_LT_CFL20p	3	1	0.85	0.6
INCAN3	REFCZ10	CON	1_LT_INC75	1	1	1	0.02

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ10	CON	2_LT_CFL20s	2	1	0	0.02
INCAN3	REFCZ10	CON	3_LT_CFL20p	3	1	0	0.02
INCAN3	RETCZ10	CON	1_LT_INC75	1	1	0.06	0.52
INCAN3	RETCZ10	CON	2_LT_CFL20s	2	1	0.41	0.52
INCAN3	RETCZ10	CON	3_LT_CFL20p	3	1	0.53	0.52
INCAN3	RSTCZ10	CON	1_LT_INC75	1	1	0.86	2.31
INCAN3	RSTCZ10	CON	2_LT_CFL20s	2	1	0.08	2.31
INCAN3	RSTCZ10	CON	3_LT_CFL20p	3	1	0.06	2.31
INCAN3	SCHCZ10	CON	1_LT_INC75	1	1	0.07	0.8
INCAN3	SCHCZ10	CON	2_LT_CFL20s	2	1	0.45	0.8
INCAN3	SCHCZ10	CON	3_LT_CFL20p	3	1	0.49	0.8
INCAN3	SMOCZ10	CON	1_LT_INC75	1	1	0.57	0.51
INCAN3	SMOCZ10	CON	2_LT_CFL20s	2	1	0.07	0.51
INCAN3	SMOCZ10	CON	3_LT_CFL20p	3	1	0.36	0.51
INCAN3	WRHCZ10	CON	1_LT_INC75	1	1	0.25	0.06
INCAN3	WRHCZ10	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ10	CON	3_LT_CFL20p	3	1	0.57	0.06
INCAN2	COLCZ10	CON	1_LT_INC60	1	1	0.48	0.59
INCAN2	COLCZ10	CON	2_LT_CFL15s	2	1	0.36	0.59
INCAN2	COLCZ10	CON	3_LT_CFL15p	3	1	0.16	0.59
INCAN2	GRCCZ10	CON	1_LT_INC60	1	1	0.67	0.45
INCAN2	GRCCZ10	CON	2_LT_CFL15s	2	1	0.21	0.45
INCAN2	GRCCZ10	CON	3_LT_CFL15p	3	1	0.12	0.45
INCAN2	HLTCZ10	CON	1_LT_INC60	1	1	0.39	1.81
INCAN2	HLTCZ10	CON	2_LT_CFL15s	2	1	0.34	1.81
INCAN2	HLTCZ10	CON	3_LT_CFL15p	3	1	0.27	1.81
INCAN2	LDGCZ10	CON	1_LT_INC60	1	1	0.42	4.61
INCAN2	LDGCZ10	CON	2_LT_CFL15s	2	1	0.39	4.61
INCAN2	LDGCZ10	CON	3_LT_CFL15p	3	1	0.19	4.61
INCAN2	LGOCZ10	CON	1_LT_INC60	1	1	0.34	0.4
INCAN2	LGOCZ10	CON	2_LT_CFL15s	2	1	0.23	0.4
INCAN2	LGOCZ10	CON	3_LT_CFL15p	3	1	0.42	0.4
INCAN2	MSCCZ10	CON	1_LT_INC60	1	1	0.86	0.16
INCAN2	MSCCZ10	CON	2_LT_CFL15s	2	1	0.02	0.16
INCAN2	MSCCZ10	CON	3_LT_CFL15p	3	1	0.12	0.16

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ10	CON	1_LT_INC60	1	1	0	0.01
INCAN2	REFCZ10	CON	2_LT_CFL15s	2	1	0.65	0.01
INCAN2	REFCZ10	CON	3_LT_CFL15p	3	1	0.35	0.01
INCAN2	RETCZ10	CON	1_LT_INC60	1	1	0.55	0.28
INCAN2	RETCZ10	CON	2_LT_CFL15s	2	1	0.37	0.28
INCAN2	RETCZ10	CON	3_LT_CFL15p	3	1	0.08	0.28
INCAN2	RSTCZ10	CON	1_LT_INC60	1	1	0.62	2.75
INCAN2	RSTCZ10	CON	2_LT_CFL15s	2	1	0.29	2.75
INCAN2	RSTCZ10	CON	3_LT_CFL15p	3	1	0.09	2.75
INCAN2	SCHCZ10	CON	1_LT_INC60	1	1	0.43	0.3
INCAN2	SCHCZ10	CON	2_LT_CFL15s	2	1	0.15	0.3
INCAN2	SCHCZ10	CON	3_LT_CFL15p	3	1	0.41	0.3
INCAN2	SMOCZ10	CON	1_LT_INC60	1	1	0.57	1.15
INCAN2	SMOCZ10	CON	2_LT_CFL15s	2	1	0.28	1.15
INCAN2	SMOCZ10	CON	3_LT_CFL15p	3	1	0.15	1.15
INCAN2	WRHCZ10	CON	1_LT_INC60	1	1	0.86	0.04
INCAN2	WRHCZ10	CON	2_LT_CFL15s	2	1	0.12	0.04
INCAN2	WRHCZ10	CON	3_LT_CFL15p	3	1	0.03	0.04
INCAN1	COLCZ10	CON	1_LT_INC40	1	1	1	0.03
INCAN1	COLCZ10	CON	2_LT_CFL10_5s	2	1	0	0.03
INCAN1	COLCZ10	CON	3_LT_CFL10_5p	3	1	0	0.03
INCAN1	GRCCZ10	CON	1_LT_INC40	1	1	1	0.05
INCAN1	GRCCZ10	CON	2_LT_CFL10_5s	2	1	0	0.05
INCAN1	GRCCZ10	CON	3_LT_CFL10_5p	3	1	0	0.05
INCAN1	HLTCZ10	CON	1_LT_INC40	1	1	0.77	0.4
INCAN1	HLTCZ10	CON	2_LT_CFL10_5s	2	1	0	0.4
INCAN1	HLTCZ10	CON	3_LT_CFL10_5p	3	1	0.23	0.4
INCAN1	LDGCZ10	CON	1_LT_INC40	1	1	0.6	2.92
INCAN1	LDGCZ10	CON	2_LT_CFL10_5s	2	1	0.14	2.92
INCAN1	LDGCZ10	CON	3_LT_CFL10_5p	3	1	0.26	2.92
INCAN1	LGOCZ10	CON	1_LT_INC40	1	1	0.21	0.08
INCAN1	LGOCZ10	CON	2_LT_CFL10_5s	2	1	0.52	0.08
INCAN1	LGOCZ10	CON	3_LT_CFL10_5p	3	1	0.27	0.08
INCAN1	MSCCZ10	CON	1_LT_INC40	1	1	0.8	0.04
INCAN1	MSCCZ10	CON	2_LT_CFL10_5s	2	1	0.09	0.04

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ10	CON	3_LT_CFL10_5p	3	1	0.11	0.04
INCAN1	REFCZ10	CON	1_LT_INC40	1	1	0	0
INCAN1	REFCZ10	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	REFCZ10	CON	3_LT_CFL10_5p	3	1	0	0
INCAN1	RETCZ10	CON	1_LT_INC40	1	1	0.98	0.09
INCAN1	RETCZ10	CON	2_LT_CFL10_5s	2	1	0.02	0.09
INCAN1	RETCZ10	CON	3_LT_CFL10_5p	3	1	0	0.09
INCAN1	RSTCZ10	CON	1_LT_INC40	1	1	0.73	1.25
INCAN1	RSTCZ10	CON	2_LT_CFL10_5s	2	1	0.27	1.25
INCAN1	RSTCZ10	CON	3_LT_CFL10_5p	3	1	0	1.25
INCAN1	SCHCZ10	CON	1_LT_INC40	1	1	1	0.01
INCAN1	SCHCZ10	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	SCHCZ10	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	SMOCZ10	CON	1_LT_INC40	1	1	1	0.18
INCAN1	SMOCZ10	CON	2_LT_CFL10_5s	2	1	0	0.18
INCAN1	SMOCZ10	CON	3_LT_CFL10_5p	3	1	0	0.18
INCAN1	WRHCZ10	CON	1_LT_INC40	1	1	1	0
INCAN1	WRHCZ10	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	WRHCZ10	CON	3_LT_CFL10_5p	3	1	0	0
HID6	COLCZ10	CON	1_LT_MH400	1	1	0	1.25
HID6	COLCZ10	CON	2_LT_PS320	2	1	0	1.25
HID6	COLCZ10	CON	3_LT_HIDT5HO	3	1	0	1.25
HID6	GRCCZ10	CON	1_LT_MH400	1	1	0	2.28
HID6	GRCCZ10	CON	2_LT_PS320	2	1	0	2.28
HID6	GRCCZ10	CON	3_LT_HIDT5HO	3	1	0	2.28
HID6	HLTCZ10	CON	1_LT_MH400	1	1	0	1.36
HID6	HLTCZ10	CON	2_LT_PS320	2	1	0	1.36
HID6	HLTCZ10	CON	3_LT_HIDT5HO	3	1	0	1.36
HID6	LDGCZ10	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ10	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ10	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ10	CON	1_LT_MH400	1	1	0.04	0.09
HID6	LGOCZ10	CON	2_LT_PS320	2	1	0	0.09
HID6	LGOCZ10	CON	3_LT_HIDT5HO	3	1	0	0.09
HID6	MSCCZ10	CON	1_LT_MH400	1	1	0.01	1.84

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ10	CON	2_LT_PS320	2	1	0	1.84
HID6	MSCCZ10	CON	3_LT_HIDT5HO	3	1	0	1.84
HID6	REFCZ10	CON	1_LT_MH400	1	1	0.06	10.98
HID6	REFCZ10	CON	2_LT_PS320	2	1	0	10.98
HID6	REFCZ10	CON	3_LT_HIDT5HO	3	1	0	10.98
HID6	RETCZ10	CON	1_LT_MH400	1	1	0.06	3.05
HID6	RETCZ10	CON	2_LT_PS320	2	1	0	3.05
HID6	RETCZ10	CON	3_LT_HIDT5HO	3	1	0	3.05
HID6	RSTCZ10	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ10	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ10	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ10	CON	1_LT_MH400	1	1	0.01	2.36
HID6	SCHCZ10	CON	2_LT_PS320	2	1	0	2.36
HID6	SCHCZ10	CON	3_LT_HIDT5HO	3	1	0	2.36
HID6	SMOCZ10	CON	1_LT_MH400	1	1	0	0
HID6	SMOCZ10	CON	2_LT_PS320	2	1	0	0
HID6	SMOCZ10	CON	3_LT_HIDT5HO	3	1	0	0
HID6	WRHCZ10	CON	1_LT_MH400	1	1	0.28	1.09
HID6	WRHCZ10	CON	2_LT_PS320	2	1	0	1.09
HID6	WRHCZ10	CON	3_LT_HIDT5HO	3	1	0	1.09
HID4MV	COLCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ10	CON	1_LT_MV400	1	1	0	3.63
HID4MV	MSCCZ10	CON	2_LT_MH250mv	2	1	0	3.63
HID4MV	REFCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	REFCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RETCZ10	CON	1_LT_MV400	1	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ10	CON	1_LT_MV400	1	1	0.01	2.08
HID4MV	SCHCZ10	CON	2_LT_MH250mv	2	1	0	2.08
HID4MV	SMOCZ10	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ10	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ10	CON	1_LT_MV400	1	1	0	18.68
HID4MV	WRHCZ10	CON	2_LT_MH250mv	2	1	0.01	18.68
HID4I	COLCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ10	CON	2_LT_MH250i	2	1	0.02	0.58
HID4I	GRCCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ10	CON	2_LT_MH250i	2	1	0.11	0.15
HID4I	HLTCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ10	CON	2_LT_MH250i	2	1	0	0
HID4I	LDGCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ10	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ10	CON	2_LT_MH250i	2	1	0.05	0.02
HID4I	MSCCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ10	CON	2_LT_MH250i	2	1	0	0.85
HID4I	REFCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ10	CON	2_LT_MH250i	2	1	0.03	4.37
HID4I	RETCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ10	CON	2_LT_MH250i	2	1	0.02	0.63
HID4I	RSTCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ10	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ10	CON	2_LT_MH250i	2	1	0	1.48
HID4I	SMOCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ10	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ10	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ10	CON	2_LT_MH250i	2	1	0.1	0.65
HID3MV	COLCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ10	CON	2_LT_MH175mv	2	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ10	CON	1_LT_MV250	1	1	0	0.17
HID3MV	LDGCZ10	CON	2_LT_MH175mv	2	1	0	0.17
HID3MV	LGOCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	LGOCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	MSCCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	MSCCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	REFCZ10	CON	1_LT_MV250	1	1	0.01	7.84
HID3MV	REFCZ10	CON	2_LT_MH175mv	2	1	0	7.84
HID3MV	RETCZ10	CON	1_LT_MV250	1	1	0.01	1.28
HID3MV	RETCZ10	CON	2_LT_MH175mv	2	1	0.01	1.28
HID3MV	RSTCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ10	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ10	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ10	CON	1_LT_MV250	1	1	0.02	0.25
HID3MV	WRHCZ10	CON	2_LT_MH175mv	2	1	0	0.25
HID3I	COLCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ10	CON	2_LT_MH175i	2	1	0	1.41
HID3I	GRCCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ10	CON	2_LT_MH175i	2	1	0	0
HID3I	HLTCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ10	CON	2_LT_MH175i	2	1	0	1.69
HID3I	LDGCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ10	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ10	CON	2_LT_MH175i	2	1	0.01	0.95
HID3I	MSCCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ10	CON	2_LT_MH175i	2	1	0.01	0.31
HID3I	REFCZ10	CON	1_LT_INC500i	1	1	0	0



SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ10	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ10	CON	2_LT_MH175i	2	1	0.01	2.17
HID3I	RSTCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ10	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ10	CON	2_LT_MH175i	2	1	0.03	2.53
HID3I	SMOCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ10	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ10	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ10	CON	2_LT_MH175i	2	1	0.04	0.29
HID2MV	COLCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ10	CON	1_LT_MV175	1	1	0.01	4.55
HID2MV	GRCCZ10	CON	2_LT_MH100mv	2	1	0	4.55
HID2MV	HLTCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ10	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ10	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ10	CON	2_LT_MH100mv	2	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ10	CON	1_LT_INC300	1	1	0.02	4.17
HID2I	COLCZ10	CON	2_LT_MH100i	2	1	0	4.17
HID2I	GRCCZ10	CON	1_LT_INC300	1	1	0.03	4.52
HID2I	GRCCZ10	CON	2_LT_MH100i	2	1	0.01	4.52
HID2I	HLTCZ10	CON	1_LT_INC300	1	1	0	1.23
HID2I	HLTCZ10	CON	2_LT_MH100i	2	1	0	1.23
HID2I	LDGCZ10	CON	1_LT_INC300	1	1	0.04	2.49
HID2I	LDGCZ10	CON	2_LT_MH100i	2	1	0	2.49
HID2I	LGOCZ10	CON	1_LT_INC300	1	1	0	2.24
HID2I	LGOCZ10	CON	2_LT_MH100i	2	1	0	2.24
HID2I	MSCCZ10	CON	1_LT_INC300	1	1	0	2.06
HID2I	MSCCZ10	CON	2_LT_MH100i	2	1	0	2.06
HID2I	REFCZ10	CON	1_LT_INC300	1	1	0	0
HID2I	REFCZ10	CON	2_LT_MH100i	2	1	0	0
HID2I	RETCZ10	CON	1_LT_INC300	1	1	0.02	17.39
HID2I	RETCZ10	CON	2_LT_MH100i	2	1	0	17.39
HID2I	RSTCZ10	CON	1_LT_INC300	1	1	0	14.81
HID2I	RSTCZ10	CON	2_LT_MH100i	2	1	0	14.81
HID2I	SCHCZ10	CON	1_LT_INC300	1	1	0.01	2.88
HID2I	SCHCZ10	CON	2_LT_MH100i	2	1	0	2.88
HID2I	SMOCZ10	CON	1_LT_INC300	1	1	0	1.47
HID2I	SMOCZ10	CON	2_LT_MH100i	2	1	0.02	1.47
HID2I	WRHCZ10	CON	1_LT_INC300	1	1	0	0
HID2I	WRHCZ10	CON	2_LT_MH100i	2	1	0	0
HID1MV	COLCZ10	CON	1_LT_MV100	1	1	0	0.38
HID1MV	COLCZ10	CON	2_LT_MH70mv	2	1	0	0.38
HID1MV	GRCCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ10	CON	1_LT_MV100	1	1	0	5.42
HID1MV	HLTCZ10	CON	2_LT_MH70mv	2	1	0	5.42
HID1MV	LDGCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	LGOCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	MSCCZ10	CON	1_LT_MV100	1	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	REFCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	REFCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RETCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	RSTCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SCHCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ10	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ10	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ10	CON	1_LT_INC200	1	1	0	5.63
HID1I	COLCZ10	CON	2_LT_MH70i	2	1	0	5.63
HID1I	GRCCZ10	CON	1_LT_INC200	1	1	0.01	6.05
HID1I	GRCCZ10	CON	2_LT_MH70i	2	1	0	6.05
HID1I	HLTCZ10	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ10	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ10	CON	1_LT_INC200	1	1	0	239.48
HID1I	LDGCZ10	CON	2_LT_MH70i	2	1	0	239.48
HID1I	LGOCZ10	CON	1_LT_INC200	1	1	0.01	1.66
HID1I	LGOCZ10	CON	2_LT_MH70i	2	1	0	1.66
HID1I	MSCCZ10	CON	1_LT_INC200	1	1	0	143.65
HID1I	MSCCZ10	CON	2_LT_MH70i	2	1	0	143.65
HID1I	REFCZ10	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ10	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ10	CON	1_LT_INC200	1	1	0.01	58.59
HID1I	RETCZ10	CON	2_LT_MH70i	2	1	0	58.59
HID1I	RSTCZ10	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ10	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ10	CON	1_LT_INC200	1	1	0	5.35
HID1I	SCHCZ10	CON	2_LT_MH70i	2	1	0	5.35
HID1I	SMOCZ10	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ10	CON	2_LT_MH70i	2	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ10	CON	1_LT_INC200	1	1	0	4.02
HID1I	WRHCZ10	CON	2_LT_MH70i	2	1	0	4.02
HID13MV	COLCZ10	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	GRCCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	HLTCZ10	CON	1_LT_EXMV400	1	1	1	0.08
HID13MV	HLTCZ10	CON	2_LT_EXPS250mv	2	1	0	0.08
HID13MV	LDGCZ10	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	MSCCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	REFCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	REFCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RETCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	RETCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RSTCZ10	CON	1_LT_EXMV400	1	1	1	0.02
HID13MV	RSTCZ10	CON	2_LT_EXPS250mv	2	1	0	0.02
HID13MV	SCHCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	SCHCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ10	CON	1_LT_EXMV400	1	1	1	0.21
HID13MV	SMOCZ10	CON	2_LT_EXPS250mv	2	1	0	0.21
HID13MV	WRHCZ10	CON	1_LT_EXMV400	1	1	1	0
HID13MV	WRHCZ10	CON	2_LT_EXPS250mv	2	1	0	0
HID13I	COLCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ10	CON	1_LT_EXINC700	1	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	MSCCZ10	CON	2_LT_EXPS250i	2	1	1	0
HID13I	REFCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	RETCZ10	CON	2_LT_EXPS250i	2	1	1	0
HID13I	RSTCZ10	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RSTCZ10	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	SCHCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ10	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ10	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ10	CON	1_LT_EXMV250	1	1	0	0
HID12MV	COLCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ10	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	GRCCZ10	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	HLTCZ10	CON	1_LT_EXMV250	1	1	1	0
HID12MV	HLTCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ10	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LDGCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ10	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	LGOCZ10	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	MSCCZ10	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	MSCCZ10	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	REFCZ10	CON	1_LT_EXMV250	1	1	1	0.02
HID12MV	REFCZ10	CON	2_LT_EXPS175mv	2	1	0	0.02
HID12MV	RETCZ10	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ10	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ10	CON	1_LT_EXMV250	1	1	1	0
HID12MV	RSTCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ10	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	SCHCZ10	CON	2_LT_EXPS175mv	2	1	0	0.01

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ10	CON	1_LT_EXMV250	1	1	1	0
HID12MV	SMOCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ10	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ10	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	GRCCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	HLTCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ10	CON	2_LT_EXPS175i	2	1	1	0
HID12I	REFCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ10	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ10	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ10	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ10	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ10	CON	1_LT_EXMV175	1	1	1	0.03
HID11MV	GRCCZ10	CON	2_LT_EXMH100mv	2	1	0	0.03
HID11MV	HLTCZ10	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	HLTCZ10	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	LDGCZ10	CON	1_LT_EXMV175	1	1	1	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ10	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ10	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	LGOCZ10	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	MSCCZ10	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	MSCCZ10	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	REFCZ10	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ10	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ10	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	RETCZ10	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	RSTCZ10	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	RSTCZ10	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	SCHCZ10	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	SCHCZ10	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	SMOCZ10	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	SMOCZ10	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	WRHCZ10	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	WRHCZ10	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11I	COLCZ10	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	COLCZ10	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	GRCCZ10	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	GRCCZ10	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	HLTCZ10	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	HLTCZ10	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	LDGCZ10	CON	1_LT_EXINC300	1	1	0.05	0.08
HID11I	LDGCZ10	CON	2_LT_EXMH100i	2	1	0.95	0.08
HID11I	LGOCZ10	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	LGOCZ10	CON	2_LT_EXMH100i	2	1	1	0.02
HID11I	MSCCZ10	CON	1_LT_EXINC300	1	1	0.02	0.02
HID11I	MSCCZ10	CON	2_LT_EXMH100i	2	1	0.98	0.02
HID11I	REFCZ10	CON	1_LT_EXINC300	1	1	0	0
HID11I	REFCZ10	CON	2_LT_EXMH100i	2	1	1	0
HID11I	RETCZ10	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ10	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ10	CON	1_LT_EXINC300	1	1	0	0.43
HID11I	RSTCZ10	CON	2_LT_EXMH100i	2	1	1	0.43

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ10	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	SCHCZ10	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	SMOCZ10	CON	1_LT_EXINC300	1	1	0.47	0.2
HID11I	SMOCZ10	CON	2_LT_EXMH100i	2	1	0.53	0.2
HID11I	WRHCZ10	CON	1_LT_EXINC300	1	1	0.53	0
HID11I	WRHCZ10	CON	2_LT_EXMH100i	2	1	0.47	0
FLUOR4A	COLCZ10	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	COLCZ10	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	GRCCZ10	CON	1_LT_8T12	1	1	0.58	2.68
FLUOR4A	GRCCZ10	CON	2_LT_8T82ndG	2	1	0.42	2.68
FLUOR4A	HLTCZ10	CON	1_LT_8T12	1	1	1	0.1
FLUOR4A	HLTCZ10	CON	2_LT_8T82ndG	2	1	0	0.1
FLUOR4A	LDGCZ10	CON	1_LT_8T12	1	1	0.97	0.03
FLUOR4A	LDGCZ10	CON	2_LT_8T82ndG	2	1	0.03	0.03
FLUOR4A	LGOCZ10	CON	1_LT_8T12	1	1	0.58	0.11
FLUOR4A	LGOCZ10	CON	2_LT_8T82ndG	2	1	0.42	0.11
FLUOR4A	MSCCZ10	CON	1_LT_8T12	1	1	1	1.38
FLUOR4A	MSCCZ10	CON	2_LT_8T82ndG	2	1	0	1.38
FLUOR4A	REFCZ10	CON	1_LT_8T12	1	1	1	0.39
FLUOR4A	REFCZ10	CON	2_LT_8T82ndG	2	1	0	0.39
FLUOR4A	RETCZ10	CON	1_LT_8T12	1	1	0.84	1.57
FLUOR4A	RETCZ10	CON	2_LT_8T82ndG	2	1	0.16	1.57
FLUOR4A	RSTCZ10	CON	1_LT_8T12	1	1	1	0.47
FLUOR4A	RSTCZ10	CON	2_LT_8T82ndG	2	1	0	0.47
FLUOR4A	SCHCZ10	CON	1_LT_8T12	1	1	0.61	0.43
FLUOR4A	SCHCZ10	CON	2_LT_8T82ndG	2	1	0.39	0.43
FLUOR4A	SMOCZ10	CON	1_LT_8T12	1	1	0.89	0.12
FLUOR4A	SMOCZ10	CON	2_LT_8T82ndG	2	1	0.11	0.12
FLUOR4A	WRHCZ10	CON	1_LT_8T12	1	1	0.95	0.95
FLUOR4A	WRHCZ10	CON	2_LT_8T82ndG	2	1	0.05	0.95
FLUOR1A	COLCZ10	CON	1_LT_4T12	1	1	0.18	8.7
FLUOR1A	COLCZ10	CON	2_LT_4T8_5	2	1	0.82	8.7
FLUOR1A	GRCCZ10	CON	1_LT_4T12	1	1	0.24	5.91
FLUOR1A	GRCCZ10	CON	2_LT_4T8_5	2	1	0.76	5.91
FLUOR1A	HLTCZ10	CON	1_LT_4T12	1	1	0.21	7.61



SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ10	CON	2_LT_4T8_5	2	1	0.79	7.61
FLUOR1A	LDGCZ10	CON	1_LT_4T12	1	1	0.44	2.59
FLUOR1A	LDGCZ10	CON	2_LT_4T8_5	2	1	0.56	2.59
FLUOR1A	LGOCZ10	CON	1_LT_4T12	1	1	0.05	6.96
FLUOR1A	LGOCZ10	CON	2_LT_4T8_5	2	1	0.95	6.96
FLUOR1A	MSCCZ10	CON	1_LT_4T12	1	1	0.8	1.7
FLUOR1A	MSCCZ10	CON	2_LT_4T8_5	2	1	0.2	1.7
FLUOR1A	REFCZ10	CON	1_LT_4T12	1	1	0.28	0.86
FLUOR1A	REFCZ10	CON	2_LT_4T8_5	2	1	0.72	0.86
FLUOR1A	RETCZ10	CON	1_LT_4T12	1	1	0.28	4.68
FLUOR1A	RETCZ10	CON	2_LT_4T8_5	2	1	0.72	4.68
FLUOR1A	RSTCZ10	CON	1_LT_4T12	1	1	0.65	3.47
FLUOR1A	RSTCZ10	CON	2_LT_4T8_5	2	1	0.35	3.47
FLUOR1A	SCHCZ10	CON	1_LT_4T12	1	1	0.23	7.61
FLUOR1A	SCHCZ10	CON	2_LT_4T8_5	2	1	0.77	7.61
FLUOR1A	SMOCZ10	CON	1_LT_4T12	1	1	0.71	4.75
FLUOR1A	SMOCZ10	CON	2_LT_4T8_5	2	1	0.29	4.75
FLUOR1A	WRHCZ10	CON	1_LT_4T12	1	1	0.37	1.12
FLUOR1A	WRHCZ10	CON	2_LT_4T8_5	2	1	0.63	1.12
EXIT1	COLCZ10	RET	2_LT_EXLED	1	1	0.82	0.43
EXIT1	GRCCZ10	RET	2_LT_EXLED	1	1	0.32	0.36
EXIT1	HLTCZ10	RET	2_LT_EXLED	1	1	0.77	0.46
EXIT1	LDGCZ10	RET	2_LT_EXLED	1	1	0.19	0.4
EXIT1	LGOCZ10	RET	2_LT_EXLED	1	1	0.57	0.62
EXIT1	MSCCZ10	RET	2_LT_EXLED	1	1	0.4	0.52
EXIT1	REFCZ10	RET	2_LT_EXLED	1	1	0.21	0.05
EXIT1	RETCZ10	RET	2_LT_EXLED	1	1	0.25	0.32
EXIT1	RSTCZ10	RET	2_LT_EXLED	1	1	0.24	0.74
EXIT1	SCHCZ10	RET	2_LT_EXLED	1	1	0.48	0.46
EXIT1	SMOCZ10	RET	2_LT_EXLED	1	1	0.68	0.88
EXIT1	WRHCZ10	RET	2_LT_EXLED	1	1	0.54	0.17
DL1	COLCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	GRCCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	LDGCZ10	RET	2_LT_DLInst	1	0	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ10	RET	2_LT_DLInst	1	0.12	0	25.59
DL1	MSCCZ10	RET	2_LT_DLInst	1	0	0	9.07
DL1	REFCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	RETCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ10	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ10	RET	2_LT_DLInst	1	0.02	0	29.39
DL1	WRHCZ10	RET	2_LT_DLInst	1	0	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
RFLC2	COLCZ14	RET	2_LT_RFLCSpec8	1	0	0	4.62
RFLC2	GRCCZ14	RET	2_LT_RFLCSpec8	1	0	0	0.97
RFLC2	HLTCZ14	RET	2_LT_RFLCSpec8	1	0	0	5.91
RFLC2	LDGCZ14	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	LGOCZ14	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	MSCCZ14	RET	2_LT_RFLCSpec8	1	0.01	0	3.6
RFLC2	REFCZ14	RET	2_LT_RFLCSpec8	1	0.02	0	1.64
RFLC2	RETCZ14	RET	2_LT_RFLCSpec8	1	0.05	0	2.82
RFLC2	RSTCZ14	RET	2_LT_RFLCSpec8	1	0	0	5
RFLC2	SCHCZ14	RET	2_LT_RFLCSpec8	1	0	0	0
RFLC2	SMOCZ14	RET	2_LT_RFLCSpec8	1	0	0	3.87
RFLC2	WRHCZ14	RET	2_LT_RFLCSpec8	1	0.02	0	1.1
RFLC1	COLCZ14	RET	2_LT_RFLCSpec4	1	0.44	0	10.61
RFLC1	GRCCZ14	RET	2_LT_RFLCSpec4	1	0.34	0.02	5.85
RFLC1	HLTCZ14	RET	2_LT_RFLCSpec4	1	0.27	0.03	9
RFLC1	LDGCZ14	RET	2_LT_RFLCSpec4	1	0.07	0	2.85
RFLC1	LGOCZ14	RET	2_LT_RFLCSpec4	1	0.49	0.09	10.53
RFLC1	MSCCZ14	RET	2_LT_RFLCSpec4	1	0.13	0	9.68
RFLC1	REFCZ14	RET	2_LT_RFLCSpec4	1	0.32	0.01	4.62
RFLC1	RETCZ14	RET	2_LT_RFLCSpec4	1	0.32	0	8.33
RFLC1	RSTCZ14	RET	2_LT_RFLCSpec4	1	0.24	0	10.23
RFLC1	SCHCZ14	RET	2_LT_RFLCSpec4	1	0.29	0.06	13.07
RFLC1	SMOCZ14	RET	2_LT_RFLCSpec4	1	0.5	0	11.56
RFLC1	WRHCZ14	RET	2_LT_RFLCSpec4	1	0.18	0.01	5.8
PC1	COLCZ14	CON	1_LT_PCNoCtrl	1	1	0	0.58
PC1	COLCZ14	CON	2_LT_PCPC	2	1	0.76	0.58
PC1	COLCZ14	CON	3_LT_PCTC	3	1	0.08	0.58
PC1	COLCZ14	CON	4_LT_PCPT	4	1	0.02	0.58
PC1	GRCCZ14	CON	1_LT_PCNoCtrl	1	1	0	1.39
PC1	GRCCZ14	CON	2_LT_PCPC	2	1	0.38	1.39
PC1	GRCCZ14	CON	3_LT_PCTC	3	1	0.23	1.39
PC1	GRCCZ14	CON	4_LT_PCPT	4	1	0.05	1.39
PC1	HLTCZ14	CON	1_LT_PCNoCtrl	1	1	0.01	0.36
PC1	HLTCZ14	CON	2_LT_PCPC	2	1	0.59	0.36
PC1	HLTCZ14	CON	3_LT_PCTC	3	1	0.23	0.36

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	HLTCZ14	CON	4_LT_PCPT	4	1	0.03	0.36
PC1	LDGCZ14	CON	1_LT_PCNoCtrl	1	1	0	0.41
PC1	LDGCZ14	CON	2_LT_PCPC	2	1	0.5	0.41
PC1	LDGCZ14	CON	3_LT_PCTC	3	1	0.42	0.41
PC1	LDGCZ14	CON	4_LT_PCPT	4	1	0.07	0.41
PC1	LGOCZ14	CON	1_LT_PCNoCtrl	1	1	0.05	0.39
PC1	LGOCZ14	CON	2_LT_PCPC	2	1	0.29	0.39
PC1	LGOCZ14	CON	3_LT_PCTC	3	1	0.48	0.39
PC1	LGOCZ14	CON	4_LT_PCPT	4	1	0.09	0.39
PC1	MSCCZ14	CON	1_LT_PCNoCtrl	1	1	0	0.75
PC1	MSCCZ14	CON	2_LT_PCPC	2	1	0.1	0.75
PC1	MSCCZ14	CON	3_LT_PCTC	3	1	0.43	0.75
PC1	MSCCZ14	CON	4_LT_PCPT	4	1	0.01	0.75
PC1	REFCZ14	CON	1_LT_PCNoCtrl	1	1	0	0.21
PC1	REFCZ14	CON	2_LT_PCPC	2	1	0.49	0.21
PC1	REFCZ14	CON	3_LT_PCTC	3	1	0.23	0.21
PC1	REFCZ14	CON	4_LT_PCPT	4	1	0.09	0.21
PC1	RETCZ14	CON	1_LT_PCNoCtrl	1	1	0	1
PC1	RETCZ14	CON	2_LT_PCPC	2	1	0.22	1
PC1	RETCZ14	CON	3_LT_PCTC	3	1	0.42	1
PC1	RETCZ14	CON	4_LT_PCPT	4	1	0.05	1
PC1	RSTCZ14	CON	1_LT_PCNoCtrl	1	1	0	1.84
PC1	RSTCZ14	CON	2_LT_PCPC	2	1	0.32	1.84
PC1	RSTCZ14	CON	3_LT_PCTC	3	1	0.34	1.84
PC1	RSTCZ14	CON	4_LT_PCPT	4	1	0.02	1.84
PC1	SCHCZ14	CON	1_LT_PCNoCtrl	1	1	0.01	0.41
PC1	SCHCZ14	CON	2_LT_PCPC	2	1	0.42	0.41
PC1	SCHCZ14	CON	3_LT_PCTC	3	1	0.34	0.41
PC1	SCHCZ14	CON	4_LT_PCPT	4	1	0.2	0.41
PC1	SMOCZ14	CON	1_LT_PCNoCtrl	1	1	0	1.9
PC1	SMOCZ14	CON	2_LT_PCPC	2	1	0.17	1.9
PC1	SMOCZ14	CON	3_LT_PCTC	3	1	0.32	1.9
PC1	SMOCZ14	CON	4_LT_PCPT	4	1	0.02	1.9
PC1	WRHCZ14	CON	1_LT_PCNoCtrl	1	1	0	0.13
PC1	WRHCZ14	CON	2_LT_PCPC	2	1	0.53	0.13

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
PC1	WRHCZ14	CON	3_LT_PCTC	3	1	0.31	0.13
PC1	WRHCZ14	CON	4_LT_PCPT	4	1	0.11	0.13
OCC2	COLCZ14	RET	2_LT_OCCPCDInst	1	0.67	0	3.65
OCC2	GRCCZ14	RET	2_LT_OCCPCDInst	1	0.43	0	0.57
OCC2	HLTCZ14	RET	2_LT_OCCPCDInst	1	0.46	0	2.86
OCC2	LDGCZ14	RET	2_LT_OCCPCDInst	1	0.22	0	2.88
OCC2	LGOCZ14	RET	2_LT_OCCPCDInst	1	0.79	0	3.78
OCC2	MSCCZ14	RET	2_LT_OCCPCDInst	1	0.7	0	1.16
OCC2	REFCZ14	RET	2_LT_OCCPCDInst	1	0.33	0	0.59
OCC2	RETCZ14	RET	2_LT_OCCPCDInst	1	0.43	0	1.15
OCC2	RSTCZ14	RET	2_LT_OCCPCDInst	1	0.24	0	0.85
OCC2	SCHCZ14	RET	2_LT_OCCPCDInst	1	0.7	0	3.4
OCC2	SMOCZ14	RET	2_LT_OCCPCDInst	1	0.8	0	3.92
OCC2	WRHCZ14	RET	2_LT_OCCPCDInst	1	0.38	0	1.13
OCC1	COLCZ14	RET	2_LT_OCCMS	1	0.6	0.04	2.55
OCC1	GRCCZ14	RET	2_LT_OCCMS	1	0.1	0	1.83
OCC1	HLTCZ14	RET	2_LT_OCCMS	1	0.18	0.01	2.02
OCC1	LDGCZ14	RET	2_LT_OCCMS	1	0.03	0	1.73
OCC1	LGOCZ14	RET	2_LT_OCCMS	1	0.52	0.08	2.17
OCC1	MSCCZ14	RET	2_LT_OCCMS	1	0.1	0	2.16
OCC1	REFCZ14	RET	2_LT_OCCMS	1	0.3	0	1.03
OCC1	RETCZ14	RET	2_LT_OCCMS	1	0.25	0.01	1.49
OCC1	RSTCZ14	RET	2_LT_OCCMS	1	0.05	0	1.84
OCC1	SCHCZ14	RET	2_LT_OCCMS	1	0.68	0.11	2.74
OCC1	SMOCZ14	RET	2_LT_OCCMS	1	0.65	0	3.09
OCC1	WRHCZ14	RET	2_LT_OCCMS	1	0.6	0.01	0.97
INCAN6	COLCZ14	CON	1_LT_IRIP60	1	1	0.74	0.09
INCAN6	COLCZ14	CON	2_LT_CRCP14s	2	1	0.26	0.09
INCAN6	GRCCZ14	CON	1_LT_IRIP60	1	1	0.99	0.83
INCAN6	GRCCZ14	CON	2_LT_CRCP14s	2	1	0.01	0.83
INCAN6	HLTCZ14	CON	1_LT_IRIP60	1	1	0.85	0.46
INCAN6	HLTCZ14	CON	2_LT_CRCP14s	2	1	0.15	0.46
INCAN6	LDGCZ14	CON	1_LT_IRIP60	1	1	0.43	0.35
INCAN6	LDGCZ14	CON	2_LT_CRCP14s	2	1	0.57	0.35
INCAN6	LGOCZ14	CON	1_LT_IRIP60	1	1	0.87	0.08

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN6	LGOCZ14	CON	2_LT_CRCP14s	2	1	0.13	0.08
INCAN6	MSCCZ14	CON	1_LT_IRIP60	1	1	1	1.09
INCAN6	MSCCZ14	CON	2_LT_CRCP14s	2	1	0	1.09
INCAN6	REFCZ14	CON	1_LT_IRIP60	1	1	0.97	0.02
INCAN6	REFCZ14	CON	2_LT_CRCP14s	2	1	0.03	0.02
INCAN6	RETCZ14	CON	1_LT_IRIP60	1	1	0.99	2.16
INCAN6	RETCZ14	CON	2_LT_CRCP14s	2	1	0.01	2.16
INCAN6	RSTCZ14	CON	1_LT_IRIP60	1	1	0.94	1.43
INCAN6	RSTCZ14	CON	2_LT_CRCP14s	2	1	0.06	1.43
INCAN6	SCHCZ14	CON	1_LT_IRIP60	1	1	0.92	0.06
INCAN6	SCHCZ14	CON	2_LT_CRCP14s	2	1	0.08	0.06
INCAN6	SMOCZ14	CON	1_LT_IRIP60	1	1	0.94	0.62
INCAN6	SMOCZ14	CON	2_LT_CRCP14s	2	1	0.06	0.62
INCAN6	WRHCZ14	CON	1_LT_IRIP60	1	1	0.94	0.01
INCAN6	WRHCZ14	CON	2_LT_CRCP14s	2	1	0.06	0.01
INCAN5	COLCZ14	CON	1_LT_INC120	1	1	0	0.31
INCAN5	COLCZ14	CON	2_LT_CFL38s	2	1	0	0.31
INCAN5	COLCZ14	CON	3_LT_CFL38p	3	1	1	0.31
INCAN5	GRCCZ14	CON	1_LT_INC120	1	1	1	0.11
INCAN5	GRCCZ14	CON	2_LT_CFL38s	2	1	0	0.11
INCAN5	GRCCZ14	CON	3_LT_CFL38p	3	1	0	0.11
INCAN5	HLTCZ14	CON	1_LT_INC120	1	1	0.04	0.92
INCAN5	HLTCZ14	CON	2_LT_CFL38s	2	1	0.3	0.92
INCAN5	HLTCZ14	CON	3_LT_CFL38p	3	1	0.66	0.92
INCAN5	LDGCZ14	CON	1_LT_INC120	1	1	0.4	1.8
INCAN5	LDGCZ14	CON	2_LT_CFL38s	2	1	0.39	1.8
INCAN5	LDGCZ14	CON	3_LT_CFL38p	3	1	0.21	1.8
INCAN5	LGOCZ14	CON	1_LT_INC120	1	1	0.07	0.1
INCAN5	LGOCZ14	CON	2_LT_CFL38s	2	1	0.36	0.1
INCAN5	LGOCZ14	CON	3_LT_CFL38p	3	1	0.57	0.1
INCAN5	MSCCZ14	CON	1_LT_INC120	1	1	0.97	1.54
INCAN5	MSCCZ14	CON	2_LT_CFL38s	2	1	0.03	1.54
INCAN5	MSCCZ14	CON	3_LT_CFL38p	3	1	0	1.54
INCAN5	REFCZ14	CON	1_LT_INC120	1	1	0	0
INCAN5	REFCZ14	CON	2_LT_CFL38s	2	1	0	0

SDG&E Commercial Lighting  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN5	REFCZ14	CON	3_LT_CFL38p	3	1	0	0
INCAN5	RETCZ14	CON	1_LT_INC120	1	1	0.29	0.2
INCAN5	RETCZ14	CON	2_LT_CFL38s	2	1	0.71	0.2
INCAN5	RETCZ14	CON	3_LT_CFL38p	3	1	0	0.2
INCAN5	RSTCZ14	CON	1_LT_INC120	1	1	0.81	0.96
INCAN5	RSTCZ14	CON	2_LT_CFL38s	2	1	0.17	0.96
INCAN5	RSTCZ14	CON	3_LT_CFL38p	3	1	0.02	0.96
INCAN5	SCHCZ14	CON	1_LT_INC120	1	1	0.29	0.06
INCAN5	SCHCZ14	CON	2_LT_CFL38s	2	1	0.04	0.06
INCAN5	SCHCZ14	CON	3_LT_CFL38p	3	1	0.67	0.06
INCAN5	SMOCZ14	CON	1_LT_INC120	1	1	0.45	0.17
INCAN5	SMOCZ14	CON	2_LT_CFL38s	2	1	0.55	0.17
INCAN5	SMOCZ14	CON	3_LT_CFL38p	3	1	0	0.17
INCAN5	WRHCZ14	CON	1_LT_INC120	1	1	1	0.01
INCAN5	WRHCZ14	CON	2_LT_CFL38s	2	1	0	0.01
INCAN5	WRHCZ14	CON	3_LT_CFL38p	3	1	0	0.01
INCAN3	COLCZ14	CON	1_LT_INC75	1	1	0	0.21
INCAN3	COLCZ14	CON	2_LT_CFL20s	2	1	0.05	0.21
INCAN3	COLCZ14	CON	3_LT_CFL20p	3	1	0.95	0.21
INCAN3	GRCCZ14	CON	1_LT_INC75	1	1	0.21	0.36
INCAN3	GRCCZ14	CON	2_LT_CFL20s	2	1	0.64	0.36
INCAN3	GRCCZ14	CON	3_LT_CFL20p	3	1	0.15	0.36
INCAN3	HLTCZ14	CON	1_LT_INC75	1	1	0.25	0.77
INCAN3	HLTCZ14	CON	2_LT_CFL20s	2	1	0.45	0.77
INCAN3	HLTCZ14	CON	3_LT_CFL20p	3	1	0.3	0.77
INCAN3	LDGCZ14	CON	1_LT_INC75	1	1	0.11	4.85
INCAN3	LDGCZ14	CON	2_LT_CFL20s	2	1	0.69	4.85
INCAN3	LDGCZ14	CON	3_LT_CFL20p	3	1	0.2	4.85
INCAN3	LGOCZ14	CON	1_LT_INC75	1	1	0.18	0.51
INCAN3	LGOCZ14	CON	2_LT_CFL20s	2	1	0.36	0.51
INCAN3	LGOCZ14	CON	3_LT_CFL20p	3	1	0.45	0.51
INCAN3	MSCCZ14	CON	1_LT_INC75	1	1	0.09	0.6
INCAN3	MSCCZ14	CON	2_LT_CFL20s	2	1	0.07	0.6
INCAN3	MSCCZ14	CON	3_LT_CFL20p	3	1	0.85	0.6
INCAN3	REFCZ14	CON	1_LT_INC75	1	1	1	0.02

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN3	REFCZ14	CON	2_LT_CFL20s	2	1	0	0.02
INCAN3	REFCZ14	CON	3_LT_CFL20p	3	1	0	0.02
INCAN3	RETCZ14	CON	1_LT_INC75	1	1	0.06	0.52
INCAN3	RETCZ14	CON	2_LT_CFL20s	2	1	0.41	0.52
INCAN3	RETCZ14	CON	3_LT_CFL20p	3	1	0.53	0.52
INCAN3	RSTCZ14	CON	1_LT_INC75	1	1	0.86	2.31
INCAN3	RSTCZ14	CON	2_LT_CFL20s	2	1	0.08	2.31
INCAN3	RSTCZ14	CON	3_LT_CFL20p	3	1	0.06	2.31
INCAN3	SCHCZ14	CON	1_LT_INC75	1	1	0.07	0.8
INCAN3	SCHCZ14	CON	2_LT_CFL20s	2	1	0.45	0.8
INCAN3	SCHCZ14	CON	3_LT_CFL20p	3	1	0.49	0.8
INCAN3	SMOCZ14	CON	1_LT_INC75	1	1	0.57	0.51
INCAN3	SMOCZ14	CON	2_LT_CFL20s	2	1	0.07	0.51
INCAN3	SMOCZ14	CON	3_LT_CFL20p	3	1	0.36	0.51
INCAN3	WRHCZ14	CON	1_LT_INC75	1	1	0.25	0.06
INCAN3	WRHCZ14	CON	2_LT_CFL20s	2	1	0.17	0.06
INCAN3	WRHCZ14	CON	3_LT_CFL20p	3	1	0.57	0.06
INCAN2	COLCZ14	CON	1_LT_INC60	1	1	0.48	0.59
INCAN2	COLCZ14	CON	2_LT_CFL15s	2	1	0.36	0.59
INCAN2	COLCZ14	CON	3_LT_CFL15p	3	1	0.16	0.59
INCAN2	GRCCZ14	CON	1_LT_INC60	1	1	0.67	0.45
INCAN2	GRCCZ14	CON	2_LT_CFL15s	2	1	0.21	0.45
INCAN2	GRCCZ14	CON	3_LT_CFL15p	3	1	0.12	0.45
INCAN2	HLTCZ14	CON	1_LT_INC60	1	1	0.39	1.81
INCAN2	HLTCZ14	CON	2_LT_CFL15s	2	1	0.34	1.81
INCAN2	HLTCZ14	CON	3_LT_CFL15p	3	1	0.27	1.81
INCAN2	LDGCZ14	CON	1_LT_INC60	1	1	0.42	4.61
INCAN2	LDGCZ14	CON	2_LT_CFL15s	2	1	0.39	4.61
INCAN2	LDGCZ14	CON	3_LT_CFL15p	3	1	0.19	4.61
INCAN2	LGOCZ14	CON	1_LT_INC60	1	1	0.34	0.4
INCAN2	LGOCZ14	CON	2_LT_CFL15s	2	1	0.23	0.4
INCAN2	LGOCZ14	CON	3_LT_CFL15p	3	1	0.42	0.4
INCAN2	MSCCZ14	CON	1_LT_INC60	1	1	0.86	0.16
INCAN2	MSCCZ14	CON	2_LT_CFL15s	2	1	0.02	0.16
INCAN2	MSCCZ14	CON	3_LT_CFL15p	3	1	0.12	0.16



SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN2	REFCZ14	CON	1_LT_INC60	1	1	0	0.01
INCAN2	REFCZ14	CON	2_LT_CFL15s	2	1	0.65	0.01
INCAN2	REFCZ14	CON	3_LT_CFL15p	3	1	0.35	0.01
INCAN2	RETCZ14	CON	1_LT_INC60	1	1	0.55	0.28
INCAN2	RETCZ14	CON	2_LT_CFL15s	2	1	0.37	0.28
INCAN2	RETCZ14	CON	3_LT_CFL15p	3	1	0.08	0.28
INCAN2	RSTCZ14	CON	1_LT_INC60	1	1	0.62	2.75
INCAN2	RSTCZ14	CON	2_LT_CFL15s	2	1	0.29	2.75
INCAN2	RSTCZ14	CON	3_LT_CFL15p	3	1	0.09	2.75
INCAN2	SCHCZ14	CON	1_LT_INC60	1	1	0.43	0.3
INCAN2	SCHCZ14	CON	2_LT_CFL15s	2	1	0.15	0.3
INCAN2	SCHCZ14	CON	3_LT_CFL15p	3	1	0.41	0.3
INCAN2	SMOCZ14	CON	1_LT_INC60	1	1	0.57	1.15
INCAN2	SMOCZ14	CON	2_LT_CFL15s	2	1	0.28	1.15
INCAN2	SMOCZ14	CON	3_LT_CFL15p	3	1	0.15	1.15
INCAN2	WRHCZ14	CON	1_LT_INC60	1	1	0.86	0.04
INCAN2	WRHCZ14	CON	2_LT_CFL15s	2	1	0.12	0.04
INCAN2	WRHCZ14	CON	3_LT_CFL15p	3	1	0.03	0.04
INCAN1	COLCZ14	CON	1_LT_INC40	1	1	1	0.03
INCAN1	COLCZ14	CON	2_LT_CFL10_5s	2	1	0	0.03
INCAN1	COLCZ14	CON	3_LT_CFL10_5p	3	1	0	0.03
INCAN1	GRCCZ14	CON	1_LT_INC40	1	1	1	0.05
INCAN1	GRCCZ14	CON	2_LT_CFL10_5s	2	1	0	0.05
INCAN1	GRCCZ14	CON	3_LT_CFL10_5p	3	1	0	0.05
INCAN1	HLTCZ14	CON	1_LT_INC40	1	1	0.77	0.4
INCAN1	HLTCZ14	CON	2_LT_CFL10_5s	2	1	0	0.4
INCAN1	HLTCZ14	CON	3_LT_CFL10_5p	3	1	0.23	0.4
INCAN1	LDGCZ14	CON	1_LT_INC40	1	1	0.6	2.92
INCAN1	LDGCZ14	CON	2_LT_CFL10_5s	2	1	0.14	2.92
INCAN1	LDGCZ14	CON	3_LT_CFL10_5p	3	1	0.26	2.92
INCAN1	LGOCZ14	CON	1_LT_INC40	1	1	0.21	0.08
INCAN1	LGOCZ14	CON	2_LT_CFL10_5s	2	1	0.52	0.08
INCAN1	LGOCZ14	CON	3_LT_CFL10_5p	3	1	0.27	0.08
INCAN1	MSCCZ14	CON	1_LT_INC40	1	1	0.8	0.04
INCAN1	MSCCZ14	CON	2_LT_CFL10_5s	2	1	0.09	0.04

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
INCAN1	MSCCZ14	CON	3_LT_CFL10_5p	3	1	0.11	0.04
INCAN1	REFCZ14	CON	1_LT_INC40	1	1	0	0
INCAN1	REFCZ14	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	REFCZ14	CON	3_LT_CFL10_5p	3	1	0	0
INCAN1	RETCZ14	CON	1_LT_INC40	1	1	0.98	0.09
INCAN1	RETCZ14	CON	2_LT_CFL10_5s	2	1	0.02	0.09
INCAN1	RETCZ14	CON	3_LT_CFL10_5p	3	1	0	0.09
INCAN1	RSTCZ14	CON	1_LT_INC40	1	1	0.73	1.25
INCAN1	RSTCZ14	CON	2_LT_CFL10_5s	2	1	0.27	1.25
INCAN1	RSTCZ14	CON	3_LT_CFL10_5p	3	1	0	1.25
INCAN1	SCHCZ14	CON	1_LT_INC40	1	1	1	0.01
INCAN1	SCHCZ14	CON	2_LT_CFL10_5s	2	1	0	0.01
INCAN1	SCHCZ14	CON	3_LT_CFL10_5p	3	1	0	0.01
INCAN1	SMOCZ14	CON	1_LT_INC40	1	1	1	0.18
INCAN1	SMOCZ14	CON	2_LT_CFL10_5s	2	1	0	0.18
INCAN1	SMOCZ14	CON	3_LT_CFL10_5p	3	1	0	0.18
INCAN1	WRHCZ14	CON	1_LT_INC40	1	1	1	0
INCAN1	WRHCZ14	CON	2_LT_CFL10_5s	2	1	0	0
INCAN1	WRHCZ14	CON	3_LT_CFL10_5p	3	1	0	0
HID6	COLCZ14	CON	1_LT_MH400	1	1	0	1.25
HID6	COLCZ14	CON	2_LT_PS320	2	1	0	1.25
HID6	COLCZ14	CON	3_LT_HIDT5HO	3	1	0	1.25
HID6	GRCCZ14	CON	1_LT_MH400	1	1	0	2.28
HID6	GRCCZ14	CON	2_LT_PS320	2	1	0	2.28
HID6	GRCCZ14	CON	3_LT_HIDT5HO	3	1	0	2.28
HID6	HLTCZ14	CON	1_LT_MH400	1	1	0	1.36
HID6	HLTCZ14	CON	2_LT_PS320	2	1	0	1.36
HID6	HLTCZ14	CON	3_LT_HIDT5HO	3	1	0	1.36
HID6	LDGCZ14	CON	1_LT_MH400	1	1	0	0
HID6	LDGCZ14	CON	2_LT_PS320	2	1	0	0
HID6	LDGCZ14	CON	3_LT_HIDT5HO	3	1	0	0
HID6	LGOCZ14	CON	1_LT_MH400	1	1	0.04	0.09
HID6	LGOCZ14	CON	2_LT_PS320	2	1	0	0.09
HID6	LGOCZ14	CON	3_LT_HIDT5HO	3	1	0	0.09
HID6	MSCCZ14	CON	1_LT_MH400	1	1	0.01	1.84

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID6	MSCCZ14	CON	2_LT_PS320	2	1	0	1.84
HID6	MSCCZ14	CON	3_LT_HIDT5HO	3	1	0	1.84
HID6	REFCZ14	CON	1_LT_MH400	1	1	0.06	10.98
HID6	REFCZ14	CON	2_LT_PS320	2	1	0	10.98
HID6	REFCZ14	CON	3_LT_HIDT5HO	3	1	0	10.98
HID6	RETCZ14	CON	1_LT_MH400	1	1	0.06	3.05
HID6	RETCZ14	CON	2_LT_PS320	2	1	0	3.05
HID6	RETCZ14	CON	3_LT_HIDT5HO	3	1	0	3.05
HID6	RSTCZ14	CON	1_LT_MH400	1	1	0	0
HID6	RSTCZ14	CON	2_LT_PS320	2	1	0	0
HID6	RSTCZ14	CON	3_LT_HIDT5HO	3	1	0	0
HID6	SCHCZ14	CON	1_LT_MH400	1	1	0.01	2.36
HID6	SCHCZ14	CON	2_LT_PS320	2	1	0	2.36
HID6	SCHCZ14	CON	3_LT_HIDT5HO	3	1	0	2.36
HID6	SMOCZ14	CON	1_LT_MH400	1	1	0	0
HID6	SMOCZ14	CON	2_LT_PS320	2	1	0	0
HID6	SMOCZ14	CON	3_LT_HIDT5HO	3	1	0	0
HID6	WRHCZ14	CON	1_LT_MH400	1	1	0.28	1.09
HID6	WRHCZ14	CON	2_LT_PS320	2	1	0	1.09
HID6	WRHCZ14	CON	3_LT_HIDT5HO	3	1	0	1.09
HID4MV	COLCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	COLCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	GRCCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	GRCCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	HLTCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	HLTCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LDGCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	LDGCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	LGOCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	LGOCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	MSCCZ14	CON	1_LT_MV400	1	1	0	3.63
HID4MV	MSCCZ14	CON	2_LT_MH250mv	2	1	0	3.63
HID4MV	REFCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	REFCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RETCZ14	CON	1_LT_MV400	1	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID4MV	RETCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	RSTCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	RSTCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	SCHCZ14	CON	1_LT_MV400	1	1	0.01	2.08
HID4MV	SCHCZ14	CON	2_LT_MH250mv	2	1	0	2.08
HID4MV	SMOCZ14	CON	1_LT_MV400	1	1	0	0
HID4MV	SMOCZ14	CON	2_LT_MH250mv	2	1	0	0
HID4MV	WRHCZ14	CON	1_LT_MV400	1	1	0	18.68
HID4MV	WRHCZ14	CON	2_LT_MH250mv	2	1	0.01	18.68
HID4I	COLCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	COLCZ14	CON	2_LT_MH250i	2	1	0.02	0.58
HID4I	GRCCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	GRCCZ14	CON	2_LT_MH250i	2	1	0.11	0.15
HID4I	HLTCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	HLTCZ14	CON	2_LT_MH250i	2	1	0	0
HID4I	LDGCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	LDGCZ14	CON	2_LT_MH250i	2	1	0	0
HID4I	LGOCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	LGOCZ14	CON	2_LT_MH250i	2	1	0.05	0.02
HID4I	MSCCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	MSCCZ14	CON	2_LT_MH250i	2	1	0	0.85
HID4I	REFCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	REFCZ14	CON	2_LT_MH250i	2	1	0.03	4.37
HID4I	RETCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	RETCZ14	CON	2_LT_MH250i	2	1	0.02	0.63
HID4I	RSTCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	RSTCZ14	CON	2_LT_MH250i	2	1	0	0
HID4I	SCHCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	SCHCZ14	CON	2_LT_MH250i	2	1	0	1.48
HID4I	SMOCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	SMOCZ14	CON	2_LT_MH250i	2	1	0	0
HID4I	WRHCZ14	CON	1_LT_INC750i	1	1	0	0
HID4I	WRHCZ14	CON	2_LT_MH250i	2	1	0.1	0.65
HID3MV	COLCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	COLCZ14	CON	2_LT_MH175mv	2	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3MV	GRCCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	GRCCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	HLTCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	HLTCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	LDGCZ14	CON	1_LT_MV250	1	1	0	0.17
HID3MV	LDGCZ14	CON	2_LT_MH175mv	2	1	0	0.17
HID3MV	LGOCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	LGOCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	MSCCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	MSCCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	REFCZ14	CON	1_LT_MV250	1	1	0.01	7.84
HID3MV	REFCZ14	CON	2_LT_MH175mv	2	1	0	7.84
HID3MV	RETCZ14	CON	1_LT_MV250	1	1	0.01	1.28
HID3MV	RETCZ14	CON	2_LT_MH175mv	2	1	0.01	1.28
HID3MV	RSTCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	RSTCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SCHCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	SCHCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	SMOCZ14	CON	1_LT_MV250	1	1	0	0
HID3MV	SMOCZ14	CON	2_LT_MH175mv	2	1	0	0
HID3MV	WRHCZ14	CON	1_LT_MV250	1	1	0.02	0.25
HID3MV	WRHCZ14	CON	2_LT_MH175mv	2	1	0	0.25
HID3I	COLCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	COLCZ14	CON	2_LT_MH175i	2	1	0	1.41
HID3I	GRCCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	GRCCZ14	CON	2_LT_MH175i	2	1	0	0
HID3I	HLTCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	HLTCZ14	CON	2_LT_MH175i	2	1	0	1.69
HID3I	LDGCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	LDGCZ14	CON	2_LT_MH175i	2	1	0	0
HID3I	LGOCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	LGOCZ14	CON	2_LT_MH175i	2	1	0.01	0.95
HID3I	MSCCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	MSCCZ14	CON	2_LT_MH175i	2	1	0.01	0.31
HID3I	REFCZ14	CON	1_LT_INC500i	1	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID3I	REFCZ14	CON	2_LT_MH175i	2	1	0	0
HID3I	RETCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	RETCZ14	CON	2_LT_MH175i	2	1	0.01	2.17
HID3I	RSTCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	RSTCZ14	CON	2_LT_MH175i	2	1	0	0
HID3I	SCHCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	SCHCZ14	CON	2_LT_MH175i	2	1	0.03	2.53
HID3I	SMOCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	SMOCZ14	CON	2_LT_MH175i	2	1	0	0
HID3I	WRHCZ14	CON	1_LT_INC500i	1	1	0	0
HID3I	WRHCZ14	CON	2_LT_MH175i	2	1	0.04	0.29
HID2MV	COLCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	COLCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	GRCCZ14	CON	1_LT_MV175	1	1	0.01	4.55
HID2MV	GRCCZ14	CON	2_LT_MH100mv	2	1	0	4.55
HID2MV	HLTCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	HLTCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LDGCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	LDGCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	LGOCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	LGOCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	MSCCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	MSCCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	REFCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	REFCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RETCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	RETCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	RSTCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	RSTCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SCHCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	SCHCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	SMOCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	SMOCZ14	CON	2_LT_MH100mv	2	1	0	0
HID2MV	WRHCZ14	CON	1_LT_MV175	1	1	0	0
HID2MV	WRHCZ14	CON	2_LT_MH100mv	2	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID2I	COLCZ14	CON	1_LT_INC300	1	1	0.02	4.17
HID2I	COLCZ14	CON	2_LT_MH100i	2	1	0	4.17
HID2I	GRCCZ14	CON	1_LT_INC300	1	1	0.03	4.52
HID2I	GRCCZ14	CON	2_LT_MH100i	2	1	0.01	4.52
HID2I	HLTCZ14	CON	1_LT_INC300	1	1	0	1.23
HID2I	HLTCZ14	CON	2_LT_MH100i	2	1	0	1.23
HID2I	LDGCZ14	CON	1_LT_INC300	1	1	0.04	2.49
HID2I	LDGCZ14	CON	2_LT_MH100i	2	1	0	2.49
HID2I	LGOCZ14	CON	1_LT_INC300	1	1	0	2.24
HID2I	LGOCZ14	CON	2_LT_MH100i	2	1	0	2.24
HID2I	MSCCZ14	CON	1_LT_INC300	1	1	0	2.06
HID2I	MSCCZ14	CON	2_LT_MH100i	2	1	0	2.06
HID2I	REFCZ14	CON	1_LT_INC300	1	1	0	0
HID2I	REFCZ14	CON	2_LT_MH100i	2	1	0	0
HID2I	RETCZ14	CON	1_LT_INC300	1	1	0.02	17.39
HID2I	RETCZ14	CON	2_LT_MH100i	2	1	0	17.39
HID2I	RSTCZ14	CON	1_LT_INC300	1	1	0	14.81
HID2I	RSTCZ14	CON	2_LT_MH100i	2	1	0	14.81
HID2I	SCHCZ14	CON	1_LT_INC300	1	1	0.01	2.88
HID2I	SCHCZ14	CON	2_LT_MH100i	2	1	0	2.88
HID2I	SMOCZ14	CON	1_LT_INC300	1	1	0	1.47
HID2I	SMOCZ14	CON	2_LT_MH100i	2	1	0.02	1.47
HID2I	WRHCZ14	CON	1_LT_INC300	1	1	0	0
HID2I	WRHCZ14	CON	2_LT_MH100i	2	1	0	0
HID1MV	COLCZ14	CON	1_LT_MV100	1	1	0	0.38
HID1MV	COLCZ14	CON	2_LT_MH70mv	2	1	0	0.38
HID1MV	GRCCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	GRCCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	HLTCZ14	CON	1_LT_MV100	1	1	0	5.42
HID1MV	HLTCZ14	CON	2_LT_MH70mv	2	1	0	5.42
HID1MV	LDGCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	LDGCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	LGOCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	LGOCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	MSCCZ14	CON	1_LT_MV100	1	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1MV	MSCCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	REFCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	REFCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RETCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	RETCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	RSTCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	RSTCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SCHCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	SCHCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	SMOCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	SMOCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1MV	WRHCZ14	CON	1_LT_MV100	1	1	0	0
HID1MV	WRHCZ14	CON	2_LT_MH70mv	2	1	0	0
HID1I	COLCZ14	CON	1_LT_INC200	1	1	0	5.63
HID1I	COLCZ14	CON	2_LT_MH70i	2	1	0	5.63
HID1I	GRCCZ14	CON	1_LT_INC200	1	1	0.01	6.05
HID1I	GRCCZ14	CON	2_LT_MH70i	2	1	0	6.05
HID1I	HLTCZ14	CON	1_LT_INC200	1	1	0	0
HID1I	HLTCZ14	CON	2_LT_MH70i	2	1	0	0
HID1I	LDGCZ14	CON	1_LT_INC200	1	1	0	239.48
HID1I	LDGCZ14	CON	2_LT_MH70i	2	1	0	239.48
HID1I	LGOCZ14	CON	1_LT_INC200	1	1	0.01	1.66
HID1I	LGOCZ14	CON	2_LT_MH70i	2	1	0	1.66
HID1I	MSCCZ14	CON	1_LT_INC200	1	1	0	143.65
HID1I	MSCCZ14	CON	2_LT_MH70i	2	1	0	143.65
HID1I	REFCZ14	CON	1_LT_INC200	1	1	0	0
HID1I	REFCZ14	CON	2_LT_MH70i	2	1	0	0
HID1I	RETCZ14	CON	1_LT_INC200	1	1	0.01	58.59
HID1I	RETCZ14	CON	2_LT_MH70i	2	1	0	58.59
HID1I	RSTCZ14	CON	1_LT_INC200	1	1	0	0
HID1I	RSTCZ14	CON	2_LT_MH70i	2	1	0	0
HID1I	SCHCZ14	CON	1_LT_INC200	1	1	0	5.35
HID1I	SCHCZ14	CON	2_LT_MH70i	2	1	0	5.35
HID1I	SMOCZ14	CON	1_LT_INC200	1	1	0	0
HID1I	SMOCZ14	CON	2_LT_MH70i	2	1	0	0



SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID1I	WRHCZ14	CON	1_LT_INC200	1	1	0	4.02
HID1I	WRHCZ14	CON	2_LT_MH70i	2	1	0	4.02
HID13MV	COLCZ14	CON	1_LT_EXMV400	1	1	0	0
HID13MV	COLCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	GRCCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	GRCCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	HLTCZ14	CON	1_LT_EXMV400	1	1	1	0.08
HID13MV	HLTCZ14	CON	2_LT_EXPS250mv	2	1	0	0.08
HID13MV	LDGCZ14	CON	1_LT_EXMV400	1	1	0	0
HID13MV	LDGCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	LGOCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	LGOCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	MSCCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	MSCCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	REFCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	REFCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RETCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	RETCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	RSTCZ14	CON	1_LT_EXMV400	1	1	1	0.02
HID13MV	RSTCZ14	CON	2_LT_EXPS250mv	2	1	0	0.02
HID13MV	SCHCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	SCHCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13MV	SMOCZ14	CON	1_LT_EXMV400	1	1	1	0.21
HID13MV	SMOCZ14	CON	2_LT_EXPS250mv	2	1	0	0.21
HID13MV	WRHCZ14	CON	1_LT_EXMV400	1	1	1	0
HID13MV	WRHCZ14	CON	2_LT_EXPS250mv	2	1	0	0
HID13I	COLCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	COLCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	GRCCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	GRCCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	HLTCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	HLTCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LDGCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	LDGCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	LGOCZ14	CON	1_LT_EXINC700	1	1	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID13I	LGOCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	MSCCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	MSCCZ14	CON	2_LT_EXPS250i	2	1	1	0
HID13I	REFCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	REFCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	RETCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	RETCZ14	CON	2_LT_EXPS250i	2	1	1	0
HID13I	RSTCZ14	CON	1_LT_EXINC700	1	1	0	0.02
HID13I	RSTCZ14	CON	2_LT_EXPS250i	2	1	1	0.02
HID13I	SCHCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	SCHCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	SMOCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	SMOCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID13I	WRHCZ14	CON	1_LT_EXINC700	1	1	0	0
HID13I	WRHCZ14	CON	2_LT_EXPS250i	2	1	0	0
HID12MV	COLCZ14	CON	1_LT_EXMV250	1	1	0	0
HID12MV	COLCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	GRCCZ14	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	GRCCZ14	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	HLTCZ14	CON	1_LT_EXMV250	1	1	1	0
HID12MV	HLTCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LDGCZ14	CON	1_LT_EXMV250	1	1	1	0
HID12MV	LDGCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	LGOCZ14	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	LGOCZ14	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	MSCCZ14	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	MSCCZ14	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	REFCZ14	CON	1_LT_EXMV250	1	1	1	0.02
HID12MV	REFCZ14	CON	2_LT_EXPS175mv	2	1	0	0.02
HID12MV	RETCZ14	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	RETCZ14	CON	2_LT_EXPS175mv	2	1	0	0.01
HID12MV	RSTCZ14	CON	1_LT_EXMV250	1	1	1	0
HID12MV	RSTCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	SCHCZ14	CON	1_LT_EXMV250	1	1	1	0.01
HID12MV	SCHCZ14	CON	2_LT_EXPS175mv	2	1	0	0.01

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID12MV	SMOCZ14	CON	1_LT_EXMV250	1	1	1	0
HID12MV	SMOCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12MV	WRHCZ14	CON	1_LT_EXMV250	1	1	0	0
HID12MV	WRHCZ14	CON	2_LT_EXPS175mv	2	1	0	0
HID12I	COLCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	COLCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	GRCCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	GRCCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	HLTCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	HLTCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LDGCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	LDGCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	LGOCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	LGOCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	MSCCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	MSCCZ14	CON	2_LT_EXPS175i	2	1	1	0
HID12I	REFCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	REFCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RETCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	RETCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	RSTCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	RSTCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SCHCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	SCHCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	SMOCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	SMOCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID12I	WRHCZ14	CON	1_LT_EXINC500	1	1	0	0
HID12I	WRHCZ14	CON	2_LT_EXPS175i	2	1	0	0
HID11MV	COLCZ14	CON	1_LT_EXMV175	1	1	0	0
HID11MV	COLCZ14	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	GRCCZ14	CON	1_LT_EXMV175	1	1	1	0.03
HID11MV	GRCCZ14	CON	2_LT_EXMH100mv	2	1	0	0.03
HID11MV	HLTCZ14	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	HLTCZ14	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	LDGCZ14	CON	1_LT_EXMV175	1	1	1	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11MV	LDGCZ14	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	LGOCZ14	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	LGOCZ14	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11MV	MSCCZ14	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	MSCCZ14	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	REFCZ14	CON	1_LT_EXMV175	1	1	1	0
HID11MV	REFCZ14	CON	2_LT_EXMH100mv	2	1	0	0
HID11MV	RETCZ14	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	RETCZ14	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	RSTCZ14	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	RSTCZ14	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	SCHCZ14	CON	1_LT_EXMV175	1	1	1	0.01
HID11MV	SCHCZ14	CON	2_LT_EXMH100mv	2	1	0	0.01
HID11MV	SMOCZ14	CON	1_LT_EXMV175	1	1	1	0.06
HID11MV	SMOCZ14	CON	2_LT_EXMH100mv	2	1	0	0.06
HID11MV	WRHCZ14	CON	1_LT_EXMV175	1	1	1	0.02
HID11MV	WRHCZ14	CON	2_LT_EXMH100mv	2	1	0	0.02
HID11I	COLCZ14	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	COLCZ14	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	GRCCZ14	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	GRCCZ14	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	HLTCZ14	CON	1_LT_EXINC300	1	1	0	0.04
HID11I	HLTCZ14	CON	2_LT_EXMH100i	2	1	1	0.04
HID11I	LDGCZ14	CON	1_LT_EXINC300	1	1	0.05	0.08
HID11I	LDGCZ14	CON	2_LT_EXMH100i	2	1	0.95	0.08
HID11I	LGOCZ14	CON	1_LT_EXINC300	1	1	0	0.02
HID11I	LGOCZ14	CON	2_LT_EXMH100i	2	1	1	0.02
HID11I	MSCCZ14	CON	1_LT_EXINC300	1	1	0.02	0.02
HID11I	MSCCZ14	CON	2_LT_EXMH100i	2	1	0.98	0.02
HID11I	REFCZ14	CON	1_LT_EXINC300	1	1	0	0
HID11I	REFCZ14	CON	2_LT_EXMH100i	2	1	1	0
HID11I	RETCZ14	CON	1_LT_EXINC300	1	1	0	0.03
HID11I	RETCZ14	CON	2_LT_EXMH100i	2	1	1	0.03
HID11I	RSTCZ14	CON	1_LT_EXINC300	1	1	0	0.43
HID11I	RSTCZ14	CON	2_LT_EXMH100i	2	1	1	0.43

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
HID11I	SCHCZ14	CON	1_LT_EXINC300	1	1	0	0.1
HID11I	SCHCZ14	CON	2_LT_EXMH100i	2	1	1	0.1
HID11I	SMOCZ14	CON	1_LT_EXINC300	1	1	0.47	0.2
HID11I	SMOCZ14	CON	2_LT_EXMH100i	2	1	0.53	0.2
HID11I	WRHCZ14	CON	1_LT_EXINC300	1	1	0.53	0
HID11I	WRHCZ14	CON	2_LT_EXMH100i	2	1	0.47	0
FLUOR4A	COLCZ14	CON	1_LT_8T12	1	1	1	0.01
FLUOR4A	COLCZ14	CON	2_LT_8T82ndG	2	1	0	0.01
FLUOR4A	GRCCZ14	CON	1_LT_8T12	1	1	0.58	2.68
FLUOR4A	GRCCZ14	CON	2_LT_8T82ndG	2	1	0.42	2.68
FLUOR4A	HLTCZ14	CON	1_LT_8T12	1	1	1	0.1
FLUOR4A	HLTCZ14	CON	2_LT_8T82ndG	2	1	0	0.1
FLUOR4A	LDGCZ14	CON	1_LT_8T12	1	1	0.97	0.03
FLUOR4A	LDGCZ14	CON	2_LT_8T82ndG	2	1	0.03	0.03
FLUOR4A	LGOCZ14	CON	1_LT_8T12	1	1	0.58	0.11
FLUOR4A	LGOCZ14	CON	2_LT_8T82ndG	2	1	0.42	0.11
FLUOR4A	MSCCZ14	CON	1_LT_8T12	1	1	1	1.38
FLUOR4A	MSCCZ14	CON	2_LT_8T82ndG	2	1	0	1.38
FLUOR4A	REFCZ14	CON	1_LT_8T12	1	1	1	0.39
FLUOR4A	REFCZ14	CON	2_LT_8T82ndG	2	1	0	0.39
FLUOR4A	RETCZ14	CON	1_LT_8T12	1	1	0.84	1.57
FLUOR4A	RETCZ14	CON	2_LT_8T82ndG	2	1	0.16	1.57
FLUOR4A	RSTCZ14	CON	1_LT_8T12	1	1	1	0.47
FLUOR4A	RSTCZ14	CON	2_LT_8T82ndG	2	1	0	0.47
FLUOR4A	SCHCZ14	CON	1_LT_8T12	1	1	0.61	0.43
FLUOR4A	SCHCZ14	CON	2_LT_8T82ndG	2	1	0.39	0.43
FLUOR4A	SMOCZ14	CON	1_LT_8T12	1	1	0.89	0.12
FLUOR4A	SMOCZ14	CON	2_LT_8T82ndG	2	1	0.11	0.12
FLUOR4A	WRHCZ14	CON	1_LT_8T12	1	1	0.95	0.95
FLUOR4A	WRHCZ14	CON	2_LT_8T82ndG	2	1	0.05	0.95
FLUOR1A	COLCZ14	CON	1_LT_4T12	1	1	0.18	8.7
FLUOR1A	COLCZ14	CON	2_LT_4T8_5	2	1	0.82	8.7
FLUOR1A	GRCCZ14	CON	1_LT_4T12	1	1	0.24	5.91
FLUOR1A	GRCCZ14	CON	2_LT_4T8_5	2	1	0.76	5.91
FLUOR1A	HLTCZ14	CON	1_LT_4T12	1	1	0.21	7.61

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
FLUOR1A	HLTCZ14	CON	2_LT_4T8_5	2	1	0.79	7.61
FLUOR1A	LDGCZ14	CON	1_LT_4T12	1	1	0.44	2.59
FLUOR1A	LDGCZ14	CON	2_LT_4T8_5	2	1	0.56	2.59
FLUOR1A	LGOCZ14	CON	1_LT_4T12	1	1	0.05	6.96
FLUOR1A	LGOCZ14	CON	2_LT_4T8_5	2	1	0.95	6.96
FLUOR1A	MSCCZ14	CON	1_LT_4T12	1	1	0.8	1.7
FLUOR1A	MSCCZ14	CON	2_LT_4T8_5	2	1	0.2	1.7
FLUOR1A	REFCZ14	CON	1_LT_4T12	1	1	0.28	0.86
FLUOR1A	REFCZ14	CON	2_LT_4T8_5	2	1	0.72	0.86
FLUOR1A	RETCZ14	CON	1_LT_4T12	1	1	0.28	4.68
FLUOR1A	RETCZ14	CON	2_LT_4T8_5	2	1	0.72	4.68
FLUOR1A	RSTCZ14	CON	1_LT_4T12	1	1	0.65	3.47
FLUOR1A	RSTCZ14	CON	2_LT_4T8_5	2	1	0.35	3.47
FLUOR1A	SCHCZ14	CON	1_LT_4T12	1	1	0.23	7.61
FLUOR1A	SCHCZ14	CON	2_LT_4T8_5	2	1	0.77	7.61
FLUOR1A	SMOCZ14	CON	1_LT_4T12	1	1	0.71	4.75
FLUOR1A	SMOCZ14	CON	2_LT_4T8_5	2	1	0.29	4.75
FLUOR1A	WRHCZ14	CON	1_LT_4T12	1	1	0.37	1.12
FLUOR1A	WRHCZ14	CON	2_LT_4T8_5	2	1	0.63	1.12
EXIT1	COLCZ14	RET	2_LT_EXLED	1	1	0.82	0.43
EXIT1	GRCCZ14	RET	2_LT_EXLED	1	1	0.32	0.36
EXIT1	HLTCZ14	RET	2_LT_EXLED	1	1	0.77	0.46
EXIT1	LDGCZ14	RET	2_LT_EXLED	1	1	0.19	0.4
EXIT1	LGOCZ14	RET	2_LT_EXLED	1	1	0.57	0.62
EXIT1	MSCCZ14	RET	2_LT_EXLED	1	1	0.4	0.52
EXIT1	REFCZ14	RET	2_LT_EXLED	1	1	0.21	0.05
EXIT1	RETCZ14	RET	2_LT_EXLED	1	1	0.25	0.32
EXIT1	RSTCZ14	RET	2_LT_EXLED	1	1	0.24	0.74
EXIT1	SCHCZ14	RET	2_LT_EXLED	1	1	0.48	0.46
EXIT1	SMOCZ14	RET	2_LT_EXLED	1	1	0.68	0.88
EXIT1	WRHCZ14	RET	2_LT_EXLED	1	1	0.54	0.17
DL1	COLCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	GRCCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	HLTCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	LDGCZ14	RET	2_LT_DLInst	1	0	0	0

SDG&E Commercial Lighting  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
DL1	LGOCZ14	RET	2_LT_DLInst	1	0.12	0	25.59
DL1	MSCCZ14	RET	2_LT_DLInst	1	0	0	9.07
DL1	REFCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	RETCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	RSTCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	SCHCZ14	RET	2_LT_DLInst	1	0	0	0
DL1	SMOCZ14	RET	2_LT_DLInst	1	0.02	0	29.39
DL1	WRHCZ14	RET	2_LT_DLInst	1	0	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ01	ROB	1_CK_FdStmr	1	1	0.32	0
COOK6	COLCZ01	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ01	ROB	1_CK_FdStmr	1	1	0.1	0.11
COOK6	GRCCZ01	ROB	2_CK_Pressureles	2	1	0	0.11
COOK6	HLTCZ01	ROB	1_CK_FdStmr	1	1	0.3	0.02
COOK6	HLTCZ01	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	LDGCZ01	ROB	1_CK_FdStmr	1	1	0.08	0.01
COOK6	LDGCZ01	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LGOCZ01	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LGOCZ01	ROB	2_CK_Pressureles	2	1	0	0
COOK6	MSCCZ01	ROB	1_CK_FdStmr	1	1	0.07	0.02
COOK6	MSCCZ01	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	REFCZ01	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ01	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ01	ROB	1_CK_FdStmr	1	1	0.03	0.01
COOK6	RETCZ01	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	RSTCZ01	ROB	1_CK_FdStmr	1	1	0.21	0.41
COOK6	RSTCZ01	ROB	2_CK_Pressureles	2	1	0	0.41
COOK6	SCHCZ01	ROB	1_CK_FdStmr	1	1	0.22	0.01
COOK6	SCHCZ01	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	SMOCZ01	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ01	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ01	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ01	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ01	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	COLCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ01	ROB	1_CK_HoldCbnt	1	1	0.23	0.03
COOK5	GRCCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	HLTCZ01	ROB	1_CK_HoldCbnt	1	1	0.04	0.02
COOK5	HLTCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	LDGCZ01	ROB	1_CK_HoldCbnt	1	1	0.02	0.01
COOK5	LDGCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	LGOCZ01	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ01	ROB	1_CK_HoldCbnt	1	1	0.04	0.02



PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	REFCZ01	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ01	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	RETCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RSTCZ01	ROB	1_CK_HoldCbnt	1	1	0.06	0.56
COOK5	RSTCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0.56
COOK5	SCHCZ01	ROB	1_CK_HoldCbnt	1	1	0.11	0.02
COOK5	SCHCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	SMOCZ01	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ01	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ01	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ01	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ01	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ01	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ01	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ01	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ01	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ01	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ01	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ01	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ01	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ01	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ01	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ01	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ01	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ01	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ01	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ01	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ01	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ01	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ01	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ01	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ01	ROB	2_CK_GriddleHE	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	WRHCZ01	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ01	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ01	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ01	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ01	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ01	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ01	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ01	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ01	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ01	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ01	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ01	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ01	ROB	1_CK_Oven	1	1	0.09	0.07
COOK3	MSCCZ01	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ01	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ01	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ01	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ01	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ01	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ01	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ01	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ01	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ01	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ01	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ01	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ01	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ01	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ01	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ01	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ01	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ01	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ01	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ01	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ01	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOCZ01	ROB	1_CK_PzOven	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	LGOCZ01	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ01	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ01	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ01	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ01	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ01	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ01	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ01	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ01	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ01	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ01	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ01	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ01	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ01	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ01	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ01	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ01	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ01	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ01	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ01	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ01	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ01	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ01	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ01	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ01	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ01	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ01	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ01	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ01	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ01	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ01	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ01	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ01	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ01	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ01	ROB	2_CK_GasFryerIF	2	1	0	0.01

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SMOCZ01	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ01	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ01	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ01	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ01	RET	2_VN_CldDrnkHE	1	0.5	0	0.02
VEND2	GRCCZ01	RET	2_VN_CldDrnkHE	1	0.33	0	0.17
VEND2	HLTCZ01	RET	2_VN_CldDrnkHE	1	0.43	0	0.04
VEND2	LDGCZ01	RET	2_VN_CldDrnkHE	1	0.55	0	0.1
VEND2	LGOCZ01	RET	2_VN_CldDrnkHE	1	0.47	0	0.04
VEND2	MSCCZ01	RET	2_VN_CldDrnkHE	1	0.13	0	0.1
VEND2	REFCZ01	RET	2_VN_CldDrnkHE	1	0.41	0	0.04
VEND2	RETCZ01	RET	2_VN_CldDrnkHE	1	0.34	0	0.1
VEND2	RSTCZ01	RET	2_VN_CldDrnkHE	1	0.02	0	0.42
VEND2	SCHCZ01	RET	2_VN_CldDrnkHE	1	0.31	0	0.1
VEND2	SMOCZ01	RET	2_VN_CldDrnkHE	1	0.23	0	0.21
VEND2	WRHCZ01	RET	2_VN_CldDrnkHE	1	0.48	0	0.03
VEND1	COLCZ01	RET	2_VN_NonRefHE	1	0.52	0	0.02
VEND1	GRCCZ01	RET	2_VN_NonRefHE	1	0.05	0	0.11
VEND1	HLTCZ01	RET	2_VN_NonRefHE	1	0.15	0	0.02
VEND1	LDGCZ01	RET	2_VN_NonRefHE	1	0.26	0	0.04
VEND1	LGOCZ01	RET	2_VN_NonRefHE	1	0.31	0	0.03
VEND1	MSCCZ01	RET	2_VN_NonRefHE	1	0.08	0	0.08
VEND1	REFCZ01	RET	2_VN_NonRefHE	1	0.2	0	0.01
VEND1	RETCZ01	RET	2_VN_NonRefHE	1	0.22	0	0.07
VEND1	RSTCZ01	RET	2_VN_NonRefHE	1	0	0	0
VEND1	SCHCZ01	RET	2_VN_NonRefHE	1	0.01	0	0.04
VEND1	SMOCZ01	RET	2_VN_NonRefHE	1	0.02	0	0.63
VEND1	WRHCZ01	RET	2_VN_NonRefHE	1	0.25	0	0.02
OFFICE1	COLCZ01	ROB	1_OF_SmlCopy	1	1	0.4	0.03
OFFICE1	COLCZ01	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	GRCCZ01	ROB	1_OF_SmlCopy	1	1	0.21	0.21
OFFICE1	GRCCZ01	ROB	2_OF_SmlCopyES	2	1	0	0.21
OFFICE1	HLTCZ01	ROB	1_OF_SmlCopy	1	1	0.34	0.11
OFFICE1	HLTCZ01	ROB	2_OF_SmlCopyES	2	1	0	0.11
OFFICE1	LDGCZ01	ROB	1_OF_SmlCopy	1	1	0.25	0.05

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	LDGCZ01	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ01	ROB	1_OF_SmlCopy	1	1	0.41	0.23
OFFICE1	LGOCZ01	ROB	2_OF_SmlCopyES	2	1	0	0.23
OFFICE1	MSCCZ01	ROB	1_OF_SmlCopy	1	1	0.12	0.17
OFFICE1	MSCCZ01	ROB	2_OF_SmlCopyES	2	1	0.01	0.17
OFFICE1	REFCZ01	ROB	1_OF_SmlCopy	1	1	0.22	0.05
OFFICE1	REFCZ01	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	RETCZ01	ROB	1_OF_SmlCopy	1	1	0.3	0.19
OFFICE1	RETCZ01	ROB	2_OF_SmlCopyES	2	1	0.02	0.19
OFFICE1	RSTCZ01	ROB	1_OF_SmlCopy	1	1	0.21	0.22
OFFICE1	RSTCZ01	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ01	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	SCHCZ01	ROB	2_OF_SmlCopyES	2	1	0	0.08
OFFICE1	SMOCZ01	ROB	1_OF_SmlCopy	1	1	0.14	0.79
OFFICE1	SMOCZ01	ROB	2_OF_SmlCopyES	2	1	0	0.79
OFFICE1	WRHCZ01	ROB	1_OF_SmlCopy	1	1	0.34	0.06
OFFICE1	WRHCZ01	ROB	2_OF_SmlCopyES	2	1	0	0.06
WATER3	COLCZ01	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ01	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ01	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ01	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ01	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ01	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ01	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ01	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ01	RET	2_WH_CircTimer	1	0.09	0	0.18
WATER3	SCHCZ01	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ01	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ01	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ01	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ01	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ01	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ01	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ01	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ01	ROB	3_WH_Instant	3	1	0	0.27

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	HLTCZ01	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ01	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ01	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ01	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ01	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ01	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ01	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ01	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ01	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ01	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ01	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ01	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ01	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ01	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ01	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ01	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ01	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ01	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ01	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ01	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ01	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ01	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ01	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ01	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ01	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ01	ROB	2_WH_StorageHE	2	1	0	0.28
WATER2	SMOCZ01	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ01	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ01	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ01	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ01	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ01	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ01	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ01	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ01	NEW	1_WH_GasComm	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	GRCCZ01	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ01	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ01	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ01	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ01	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ01	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ01	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ01	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ01	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ01	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ01	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOZ01	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ01	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ01	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ01	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ01	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ01	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ01	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ01	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ01	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ01	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ01	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ01	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ01	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ01	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ01	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ01	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ01	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ01	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ01	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ01	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ01	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ01	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ01	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ01	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SMOCZ01	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ01	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ01	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ01	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ01	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ01	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ01	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ01	ROB	2_WH_GasHorzAxis	2	1	0	0



PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ02	ROB	1_CK_FdStmr	1	1	0.32	0
COOK6	COLCZ02	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ02	ROB	1_CK_FdStmr	1	1	0.1	0.11
COOK6	GRCCZ02	ROB	2_CK_Pressureles	2	1	0	0.11
COOK6	HLTCZ02	ROB	1_CK_FdStmr	1	1	0.3	0.02
COOK6	HLTCZ02	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	LDGCZ02	ROB	1_CK_FdStmr	1	1	0.08	0.01
COOK6	LDGCZ02	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LGOCZ02	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LGOCZ02	ROB	2_CK_Pressureles	2	1	0	0
COOK6	MSCCZ02	ROB	1_CK_FdStmr	1	1	0.07	0.02
COOK6	MSCCZ02	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	REFCZ02	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ02	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ02	ROB	1_CK_FdStmr	1	1	0.03	0.01
COOK6	RETCZ02	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	RSTCZ02	ROB	1_CK_FdStmr	1	1	0.21	0.41
COOK6	RSTCZ02	ROB	2_CK_Pressureles	2	1	0	0.41
COOK6	SCHCZ02	ROB	1_CK_FdStmr	1	1	0.22	0.01
COOK6	SCHCZ02	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	SMOCZ02	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ02	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ02	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ02	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ02	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	COLCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ02	ROB	1_CK_HoldCbnt	1	1	0.23	0.03
COOK5	GRCCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	HLTCZ02	ROB	1_CK_HoldCbnt	1	1	0.04	0.02
COOK5	HLTCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	LDGCZ02	ROB	1_CK_HoldCbnt	1	1	0.02	0.01
COOK5	LDGCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	LGOCZ02	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ02	ROB	1_CK_HoldCbnt	1	1	0.04	0.02

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	REFCZ02	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ02	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	RETCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RSTCZ02	ROB	1_CK_HoldCbnt	1	1	0.06	0.56
COOK5	RSTCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0.56
COOK5	SCHCZ02	ROB	1_CK_HoldCbnt	1	1	0.11	0.02
COOK5	SCHCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	SMOCZ02	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ02	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ02	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ02	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ02	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ02	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ02	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ02	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ02	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ02	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ02	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ02	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ02	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ02	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ02	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ02	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ02	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ02	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ02	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ02	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ02	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ02	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ02	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ02	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ02	ROB	2_CK_GriddleHE	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	WRHCZ02	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ02	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ02	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ02	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ02	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ02	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ02	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ02	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ02	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ02	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ02	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ02	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ02	ROB	1_CK_Oven	1	1	0.09	0.07
COOK3	MSCCZ02	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ02	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ02	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ02	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ02	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ02	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ02	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ02	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ02	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ02	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ02	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ02	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ02	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ02	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ02	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ02	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ02	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ02	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ02	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ02	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ02	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOCZ02	ROB	1_CK_PzOven	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	LGOCZ02	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ02	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ02	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ02	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ02	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ02	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ02	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ02	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ02	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ02	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ02	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ02	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ02	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ02	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ02	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ02	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ02	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ02	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ02	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ02	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ02	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ02	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ02	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ02	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ02	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ02	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ02	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ02	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ02	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ02	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ02	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ02	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ02	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ02	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ02	ROB	2_CK_GasFryerIF	2	1	0	0.01

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SMOCZ02	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ02	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ02	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ02	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ02	RET	2_VN_CldDrnkHE	1	0.5	0	0.02
VEND2	GRCCZ02	RET	2_VN_CldDrnkHE	1	0.33	0	0.17
VEND2	HLTCZ02	RET	2_VN_CldDrnkHE	1	0.43	0	0.04
VEND2	LDGCZ02	RET	2_VN_CldDrnkHE	1	0.55	0	0.1
VEND2	LGOCZ02	RET	2_VN_CldDrnkHE	1	0.47	0	0.04
VEND2	MSCCZ02	RET	2_VN_CldDrnkHE	1	0.13	0	0.1
VEND2	REFCZ02	RET	2_VN_CldDrnkHE	1	0.41	0	0.04
VEND2	RETCZ02	RET	2_VN_CldDrnkHE	1	0.34	0	0.1
VEND2	RSTCZ02	RET	2_VN_CldDrnkHE	1	0.02	0	0.42
VEND2	SCHCZ02	RET	2_VN_CldDrnkHE	1	0.31	0	0.1
VEND2	SMOCZ02	RET	2_VN_CldDrnkHE	1	0.23	0	0.21
VEND2	WRHCZ02	RET	2_VN_CldDrnkHE	1	0.48	0	0.03
VEND1	COLCZ02	RET	2_VN_NonRefHE	1	0.52	0	0.02
VEND1	GRCCZ02	RET	2_VN_NonRefHE	1	0.05	0	0.11
VEND1	HLTCZ02	RET	2_VN_NonRefHE	1	0.15	0	0.02
VEND1	LDGCZ02	RET	2_VN_NonRefHE	1	0.26	0	0.04
VEND1	LGOCZ02	RET	2_VN_NonRefHE	1	0.31	0	0.03
VEND1	MSCCZ02	RET	2_VN_NonRefHE	1	0.08	0	0.08
VEND1	REFCZ02	RET	2_VN_NonRefHE	1	0.2	0	0.01
VEND1	RETCZ02	RET	2_VN_NonRefHE	1	0.22	0	0.07
VEND1	RSTCZ02	RET	2_VN_NonRefHE	1	0	0	0
VEND1	SCHCZ02	RET	2_VN_NonRefHE	1	0.01	0	0.04
VEND1	SMOCZ02	RET	2_VN_NonRefHE	1	0.02	0	0.63
VEND1	WRHCZ02	RET	2_VN_NonRefHE	1	0.25	0	0.02
OFFICE1	COLCZ02	ROB	1_OF_SmlCopy	1	1	0.4	0.03
OFFICE1	COLCZ02	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	GRCCZ02	ROB	1_OF_SmlCopy	1	1	0.21	0.21
OFFICE1	GRCCZ02	ROB	2_OF_SmlCopyES	2	1	0	0.21
OFFICE1	HLTCZ02	ROB	1_OF_SmlCopy	1	1	0.34	0.11
OFFICE1	HLTCZ02	ROB	2_OF_SmlCopyES	2	1	0	0.11
OFFICE1	LDGCZ02	ROB	1_OF_SmlCopy	1	1	0.25	0.05

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	LDGCZ02	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ02	ROB	1_OF_SmlCopy	1	1	0.41	0.23
OFFICE1	LGOCZ02	ROB	2_OF_SmlCopyES	2	1	0	0.23
OFFICE1	MSCCZ02	ROB	1_OF_SmlCopy	1	1	0.12	0.17
OFFICE1	MSCCZ02	ROB	2_OF_SmlCopyES	2	1	0.01	0.17
OFFICE1	REFCZ02	ROB	1_OF_SmlCopy	1	1	0.22	0.05
OFFICE1	REFCZ02	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	RETCZ02	ROB	1_OF_SmlCopy	1	1	0.3	0.19
OFFICE1	RETCZ02	ROB	2_OF_SmlCopyES	2	1	0.02	0.19
OFFICE1	RSTCZ02	ROB	1_OF_SmlCopy	1	1	0.21	0.22
OFFICE1	RSTCZ02	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ02	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	SCHCZ02	ROB	2_OF_SmlCopyES	2	1	0	0.08
OFFICE1	SMOCZ02	ROB	1_OF_SmlCopy	1	1	0.14	0.79
OFFICE1	SMOCZ02	ROB	2_OF_SmlCopyES	2	1	0	0.79
OFFICE1	WRHCZ02	ROB	1_OF_SmlCopy	1	1	0.34	0.06
OFFICE1	WRHCZ02	ROB	2_OF_SmlCopyES	2	1	0	0.06
WATER3	COLCZ02	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ02	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ02	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ02	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ02	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ02	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ02	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ02	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ02	RET	2_WH_CircTimer	1	0.09	0	0.18
WATER3	SCHCZ02	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ02	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ02	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ02	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ02	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ02	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ02	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ02	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ02	ROB	3_WH_Instant	3	1	0	0.27

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	HLTCZ02	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ02	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ02	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ02	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ02	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ02	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ02	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ02	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ02	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ02	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ02	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ02	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ02	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ02	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ02	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ02	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ02	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ02	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ02	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ02	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ02	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ02	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ02	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ02	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ02	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ02	ROB	2_WH_StorageHE	2	1	0	0.28
WATER2	SMOCZ02	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ02	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ02	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ02	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ02	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ02	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ02	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ02	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ02	NEW	1_WH_GasComm	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	GRCCZ02	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ02	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ02	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ02	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ02	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ02	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ02	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ02	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ02	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ02	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ02	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOZ02	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ02	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ02	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ02	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ02	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ02	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ02	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ02	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ02	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ02	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ02	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ02	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ02	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ02	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ02	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ02	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ02	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ02	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ02	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ02	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ02	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ02	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ02	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ02	ROB	2_WH_GasHorzAxis	2	1	0	0



PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SMOCZ02	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ02	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ02	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ02	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ02	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ02	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ02	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ02	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ03	ROB	1_CK_FdStmr	1	1	0.32	0
COOK6	COLCZ03	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ03	ROB	1_CK_FdStmr	1	1	0.1	0.11
COOK6	GRCCZ03	ROB	2_CK_Pressureles	2	1	0	0.11
COOK6	HLTCZ03	ROB	1_CK_FdStmr	1	1	0.3	0.02
COOK6	HLTCZ03	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	LDGCZ03	ROB	1_CK_FdStmr	1	1	0.08	0.01
COOK6	LDGCZ03	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LGOCZ03	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LGOCZ03	ROB	2_CK_Pressureles	2	1	0	0
COOK6	MSCCZ03	ROB	1_CK_FdStmr	1	1	0.07	0.02
COOK6	MSCCZ03	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	REFCZ03	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ03	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ03	ROB	1_CK_FdStmr	1	1	0.03	0.01
COOK6	RETCZ03	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	RSTCZ03	ROB	1_CK_FdStmr	1	1	0.21	0.41
COOK6	RSTCZ03	ROB	2_CK_Pressureles	2	1	0	0.41
COOK6	SCHCZ03	ROB	1_CK_FdStmr	1	1	0.22	0.01
COOK6	SCHCZ03	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	SMOCZ03	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ03	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ03	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ03	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	COLCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ03	ROB	1_CK_HoldCbnt	1	1	0.23	0.03
COOK5	GRCCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	HLTCZ03	ROB	1_CK_HoldCbnt	1	1	0.04	0.02
COOK5	HLTCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	LDGCZ03	ROB	1_CK_HoldCbnt	1	1	0.02	0.01
COOK5	LDGCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	LGOCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ03	ROB	1_CK_HoldCbnt	1	1	0.04	0.02

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	REFCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	RETCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RSTCZ03	ROB	1_CK_HoldCbnt	1	1	0.06	0.56
COOK5	RSTCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.56
COOK5	SCHCZ03	ROB	1_CK_HoldCbnt	1	1	0.11	0.02
COOK5	SCHCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	SMOCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ03	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ03	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ03	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ03	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ03	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ03	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ03	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ03	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOZ03	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOZ03	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ03	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ03	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ03	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ03	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ03	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ03	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ03	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ03	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ03	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ03	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ03	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ03	ROB	2_CK_GriddleHE	2	1	0	0

PG&E Commercial Miscellaneous  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	WRHCZ03	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ03	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ03	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ03	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ03	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ03	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ03	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ03	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ03	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ03	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ03	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ03	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ03	ROB	1_CK_Oven	1	1	0.09	0.07
COOK3	MSCCZ03	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ03	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ03	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ03	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ03	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ03	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ03	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ03	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ03	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ03	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ03	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ03	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ03	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ03	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ03	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ03	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ03	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ03	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOCZ03	ROB	1_CK_PzOven	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	LGOCZ03	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ03	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ03	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ03	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ03	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ03	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ03	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ03	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ03	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ03	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ03	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ03	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ03	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ03	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ03	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ03	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ03	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ03	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ03	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ03	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ03	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.01

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SMOCZ03	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ03	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ03	RET	2_VN_CldDrnkHE	1	0.5	0	0.02
VEND2	GRCCZ03	RET	2_VN_CldDrnkHE	1	0.33	0	0.17
VEND2	HLTCZ03	RET	2_VN_CldDrnkHE	1	0.43	0	0.04
VEND2	LDGCZ03	RET	2_VN_CldDrnkHE	1	0.55	0	0.1
VEND2	LGOCZ03	RET	2_VN_CldDrnkHE	1	0.47	0	0.04
VEND2	MSCCZ03	RET	2_VN_CldDrnkHE	1	0.13	0	0.1
VEND2	REFCZ03	RET	2_VN_CldDrnkHE	1	0.41	0	0.04
VEND2	RETCZ03	RET	2_VN_CldDrnkHE	1	0.34	0	0.1
VEND2	RSTCZ03	RET	2_VN_CldDrnkHE	1	0.02	0	0.42
VEND2	SCHCZ03	RET	2_VN_CldDrnkHE	1	0.31	0	0.1
VEND2	SMOCZ03	RET	2_VN_CldDrnkHE	1	0.23	0	0.21
VEND2	WRHCZ03	RET	2_VN_CldDrnkHE	1	0.48	0	0.03
VEND1	COLCZ03	RET	2_VN_NonRefHE	1	0.52	0	0.02
VEND1	GRCCZ03	RET	2_VN_NonRefHE	1	0.05	0	0.11
VEND1	HLTCZ03	RET	2_VN_NonRefHE	1	0.15	0	0.02
VEND1	LDGCZ03	RET	2_VN_NonRefHE	1	0.26	0	0.04
VEND1	LGOCZ03	RET	2_VN_NonRefHE	1	0.31	0	0.03
VEND1	MSCCZ03	RET	2_VN_NonRefHE	1	0.08	0	0.08
VEND1	REFCZ03	RET	2_VN_NonRefHE	1	0.2	0	0.01
VEND1	RETCZ03	RET	2_VN_NonRefHE	1	0.22	0	0.07
VEND1	RSTCZ03	RET	2_VN_NonRefHE	1	0	0	0
VEND1	SCHCZ03	RET	2_VN_NonRefHE	1	0.01	0	0.04
VEND1	SMOCZ03	RET	2_VN_NonRefHE	1	0.02	0	0.63
VEND1	WRHCZ03	RET	2_VN_NonRefHE	1	0.25	0	0.02
OFFICE1	COLCZ03	ROB	1_OF_SmlCopy	1	1	0.4	0.03
OFFICE1	COLCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	GRCCZ03	ROB	1_OF_SmlCopy	1	1	0.21	0.21
OFFICE1	GRCCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.21
OFFICE1	HLTCZ03	ROB	1_OF_SmlCopy	1	1	0.34	0.11
OFFICE1	HLTCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.11
OFFICE1	LDGCZ03	ROB	1_OF_SmlCopy	1	1	0.25	0.05

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	LDGCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ03	ROB	1_OF_SmlCopy	1	1	0.41	0.23
OFFICE1	LGOCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.23
OFFICE1	MSCCZ03	ROB	1_OF_SmlCopy	1	1	0.12	0.17
OFFICE1	MSCCZ03	ROB	2_OF_SmlCopyES	2	1	0.01	0.17
OFFICE1	REFCZ03	ROB	1_OF_SmlCopy	1	1	0.22	0.05
OFFICE1	REFCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	RETCZ03	ROB	1_OF_SmlCopy	1	1	0.3	0.19
OFFICE1	RETCZ03	ROB	2_OF_SmlCopyES	2	1	0.02	0.19
OFFICE1	RSTCZ03	ROB	1_OF_SmlCopy	1	1	0.21	0.22
OFFICE1	RSTCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ03	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	SCHCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.08
OFFICE1	SMOCZ03	ROB	1_OF_SmlCopy	1	1	0.14	0.79
OFFICE1	SMOCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.79
OFFICE1	WRHCZ03	ROB	1_OF_SmlCopy	1	1	0.34	0.06
OFFICE1	WRHCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.06
WATER3	COLCZ03	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ03	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ03	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ03	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ03	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ03	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ03	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ03	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ03	RET	2_WH_CircTimer	1	0.09	0	0.18
WATER3	SCHCZ03	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ03	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ03	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ03	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ03	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ03	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ03	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ03	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ03	ROB	3_WH_Instant	3	1	0	0.27

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	HLTCZ03	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ03	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ03	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ03	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ03	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ03	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ03	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ03	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ03	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ03	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ03	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ03	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ03	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ03	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ03	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ03	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ03	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ03	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ03	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ03	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ03	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ03	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ03	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ03	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ03	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ03	ROB	2_WH_StorageHE	2	1	0	0.28
WATER2	SMOCZ03	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ03	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ03	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ03	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ03	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ03	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ03	NEW	1_WH_GasComm	1	1	0	0



PG&E Commercial Miscellaneous  
Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	GRCCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ03	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ03	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ03	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ03	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ03	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ03	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SMOCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ03	ROB	1_CK_FdStmr	1	1	0.32	0
COOK6	COLCZ03	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ03	ROB	1_CK_FdStmr	1	1	0.1	0.11
COOK6	GRCCZ03	ROB	2_CK_Pressureles	2	1	0	0.11
COOK6	HLTCZ03	ROB	1_CK_FdStmr	1	1	0.3	0.02
COOK6	HLTCZ03	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	LDGCZ03	ROB	1_CK_FdStmr	1	1	0.08	0.01
COOK6	LDGCZ03	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LGOCZ03	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LGOCZ03	ROB	2_CK_Pressureles	2	1	0	0
COOK6	MSCCZ03	ROB	1_CK_FdStmr	1	1	0.07	0.02
COOK6	MSCCZ03	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	REFCZ03	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ03	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ03	ROB	1_CK_FdStmr	1	1	0.03	0.01
COOK6	RETCZ03	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	RSTCZ03	ROB	1_CK_FdStmr	1	1	0.21	0.41
COOK6	RSTCZ03	ROB	2_CK_Pressureles	2	1	0	0.41
COOK6	SCHCZ03	ROB	1_CK_FdStmr	1	1	0.22	0.01
COOK6	SCHCZ03	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	SMOCZ03	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ03	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ03	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ03	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	COLCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ03	ROB	1_CK_HoldCbnt	1	1	0.23	0.03
COOK5	GRCCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	HLTCZ03	ROB	1_CK_HoldCbnt	1	1	0.04	0.02
COOK5	HLTCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	LDGCZ03	ROB	1_CK_HoldCbnt	1	1	0.02	0.01
COOK5	LDGCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	LGOCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ03	ROB	1_CK_HoldCbnt	1	1	0.04	0.02
COOK5	MSCCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	REFCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	RETCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	RETCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RSTCZ03	ROB	1_CK_HoldCbnt	1	1	0.06	0.56
COOK5	RSTCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.56
COOK5	SCHCZ03	ROB	1_CK_HoldCbnt	1	1	0.11	0.02
COOK5	SCHCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	SMOCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ03	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ03	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ03	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ03	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ03	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ03	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ03	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ03	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ03	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ03	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ03	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ03	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ03	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ03	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ03	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ03	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ03	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ03	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ03	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ03	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ03	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ03	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ03	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ03	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ03	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ03	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ03	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ03	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ03	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ03	ROB	2_CK_CnvcOven	2	1	0.07	0.1

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	HLTCZ03	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ03	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ03	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ03	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ03	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ03	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ03	ROB	1_CK_Oven	1	1	0.09	0.07
COOK3	MSCCZ03	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ03	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ03	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ03	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ03	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ03	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ03	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ03	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ03	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ03	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ03	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ03	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ03	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ03	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ03	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ03	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ03	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ03	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOCZ03	ROB	1_CK_PzOven	1	1	0	0
COOK2	LGOCZ03	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ03	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ03	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ03	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ03	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ03	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.46

PG&E Commercial Miscellaneous  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	SCHCZ03	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ03	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ03	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ03	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ03	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ03	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ03	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ03	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ03	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ03	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ03	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ03	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ03	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ03	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ03	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ03	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ03	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	SMOCZ03	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ03	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ03	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ03	RET	2_VN_CldDrnkHE	1	0.5	0	0.02
VEND2	GRCCZ03	RET	2_VN_CldDrnkHE	1	0.33	0	0.17
VEND2	HLTCZ03	RET	2_VN_CldDrnkHE	1	0.43	0	0.04
VEND2	LDGCZ03	RET	2_VN_CldDrnkHE	1	0.55	0	0.1
VEND2	LGOCZ03	RET	2_VN_CldDrnkHE	1	0.47	0	0.04
VEND2	MSCCZ03	RET	2_VN_CldDrnkHE	1	0.13	0	0.1
VEND2	REFCZ03	RET	2_VN_CldDrnkHE	1	0.41	0	0.04
VEND2	RETCZ03	RET	2_VN_CldDrnkHE	1	0.34	0	0.1

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
VEND2	RSTCZ03	RET	2_VN_CldDrnkHE	1	0.02	0	0.42
VEND2	SCHCZ03	RET	2_VN_CldDrnkHE	1	0.31	0	0.1
VEND2	SMOCZ03	RET	2_VN_CldDrnkHE	1	0.23	0	0.21
VEND2	WRHCZ03	RET	2_VN_CldDrnkHE	1	0.48	0	0.03
VEND1	COLCZ03	RET	2_VN_NonRefHE	1	0.52	0	0.02
VEND1	GRCCZ03	RET	2_VN_NonRefHE	1	0.05	0	0.11
VEND1	HLTCZ03	RET	2_VN_NonRefHE	1	0.15	0	0.02
VEND1	LDGCZ03	RET	2_VN_NonRefHE	1	0.26	0	0.04
VEND1	LGOCZ03	RET	2_VN_NonRefHE	1	0.31	0	0.03
VEND1	MSCCZ03	RET	2_VN_NonRefHE	1	0.08	0	0.08
VEND1	REFCZ03	RET	2_VN_NonRefHE	1	0.2	0	0.01
VEND1	RETCZ03	RET	2_VN_NonRefHE	1	0.22	0	0.07
VEND1	RSTCZ03	RET	2_VN_NonRefHE	1	0	0	0
VEND1	SCHCZ03	RET	2_VN_NonRefHE	1	0.01	0	0.04
VEND1	SMOCZ03	RET	2_VN_NonRefHE	1	0.02	0	0.63
VEND1	WRHCZ03	RET	2_VN_NonRefHE	1	0.25	0	0.02
OFFICE1	COLCZ03	ROB	1_OF_SmlCopy	1	1	0.4	0.03
OFFICE1	COLCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	GRCCZ03	ROB	1_OF_SmlCopy	1	1	0.21	0.21
OFFICE1	GRCCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.21
OFFICE1	HLTCZ03	ROB	1_OF_SmlCopy	1	1	0.34	0.11
OFFICE1	HLTCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.11
OFFICE1	LDGCZ03	ROB	1_OF_SmlCopy	1	1	0.25	0.05
OFFICE1	LDGCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ03	ROB	1_OF_SmlCopy	1	1	0.41	0.23
OFFICE1	LGOCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.23
OFFICE1	MSCCZ03	ROB	1_OF_SmlCopy	1	1	0.12	0.17
OFFICE1	MSCCZ03	ROB	2_OF_SmlCopyES	2	1	0.01	0.17
OFFICE1	REFCZ03	ROB	1_OF_SmlCopy	1	1	0.22	0.05
OFFICE1	REFCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	RETCZ03	ROB	1_OF_SmlCopy	1	1	0.3	0.19
OFFICE1	RETCZ03	ROB	2_OF_SmlCopyES	2	1	0.02	0.19
OFFICE1	RSTCZ03	ROB	1_OF_SmlCopy	1	1	0.21	0.22
OFFICE1	RSTCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ03	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	SCHCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.08
OFFICE1	SMOCZ03	ROB	1_OF_SmlCopy	1	1	0.14	0.79
OFFICE1	SMOCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.79

PG&E Commercial Miscellaneous  
Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	WRHCZ03	ROB	1_OF_SmlCopy	1	1	0.34	0.06
OFFICE1	WRHCZ03	ROB	2_OF_SmlCopyES	2	1	0	0.06
WATER3	COLCZ03	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ03	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ03	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ03	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ03	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ03	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ03	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ03	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ03	RET	2_WH_CircTimer	1	0.09	0	0.18
WATER3	SCHCZ03	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ03	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ03	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ03	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ03	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ03	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ03	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ03	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ03	ROB	3_WH_Instant	3	1	0	0.27
WATER2	HLTCZ03	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ03	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ03	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ03	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ03	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ03	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ03	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ03	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ03	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ03	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ03	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ03	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ03	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ03	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ03	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ03	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ03	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ03	ROB	3_WH_Instant	3	1	0	0.14



PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	RSTCZ03	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ03	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ03	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ03	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ03	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ03	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ03	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ03	ROB	2_WH_StorageHE	2	1	0	0.28
WATER2	SMOCZ03	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ03	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ03	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ03	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ03	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ03	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ03	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ03	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ03	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ03	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ03	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ03	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	REFCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ03	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ03	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ03	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ03	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ04	ROB	1_CK_FdStmr	1	1	0.32	0
COOK6	COLCZ04	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ04	ROB	1_CK_FdStmr	1	1	0.1	0.11
COOK6	GRCCZ04	ROB	2_CK_Pressureles	2	1	0	0.11
COOK6	HLTCZ04	ROB	1_CK_FdStmr	1	1	0.3	0.02
COOK6	HLTCZ04	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	LDGCZ04	ROB	1_CK_FdStmr	1	1	0.08	0.01
COOK6	LDGCZ04	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LGOCZ04	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LGOCZ04	ROB	2_CK_Pressureles	2	1	0	0
COOK6	MSCCZ04	ROB	1_CK_FdStmr	1	1	0.07	0.02
COOK6	MSCCZ04	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	REFCZ04	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ04	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ04	ROB	1_CK_FdStmr	1	1	0.03	0.01
COOK6	RETCZ04	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	RSTCZ04	ROB	1_CK_FdStmr	1	1	0.21	0.41
COOK6	RSTCZ04	ROB	2_CK_Pressureles	2	1	0	0.41
COOK6	SCHCZ04	ROB	1_CK_FdStmr	1	1	0.22	0.01
COOK6	SCHCZ04	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	SMOCZ04	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ04	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ04	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ04	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ04	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	COLCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ04	ROB	1_CK_HoldCbnt	1	1	0.23	0.03
COOK5	GRCCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	HLTCZ04	ROB	1_CK_HoldCbnt	1	1	0.04	0.02
COOK5	HLTCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	LDGCZ04	ROB	1_CK_HoldCbnt	1	1	0.02	0.01
COOK5	LDGCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	LGOCZ04	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ04	ROB	1_CK_HoldCbnt	1	1	0.04	0.02

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	REFCZ04	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ04	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	RETCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RSTCZ04	ROB	1_CK_HoldCbnt	1	1	0.06	0.56
COOK5	RSTCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0.56
COOK5	SCHCZ04	ROB	1_CK_HoldCbnt	1	1	0.11	0.02
COOK5	SCHCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	SMOCZ04	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ04	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ04	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ04	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ04	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ04	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ04	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ04	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ04	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ04	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ04	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ04	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ04	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ04	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ04	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ04	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ04	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ04	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ04	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ04	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ04	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ04	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ04	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ04	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ04	ROB	2_CK_GriddleHE	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	WRHCZ04	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ04	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ04	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ04	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ04	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ04	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ04	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ04	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ04	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ04	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ04	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ04	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ04	ROB	1_CK_Oven	1	1	0.09	0.07
COOK3	MSCCZ04	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ04	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ04	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ04	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ04	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ04	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ04	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ04	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ04	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ04	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ04	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ04	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ04	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ04	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ04	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ04	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ04	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ04	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOCZ04	ROB	1_CK_PzOven	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	LGOCZ04	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ04	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ04	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ04	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ04	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ04	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ04	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ04	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ04	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ04	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ04	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ04	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ04	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ04	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ04	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ04	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ04	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ04	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ04	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ04	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ04	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.01

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SMOCZ04	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ04	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ04	RET	2_VN_CldDrnkHE	1	0.5	0	0.02
VEND2	GRCCZ04	RET	2_VN_CldDrnkHE	1	0.33	0	0.17
VEND2	HLTCZ04	RET	2_VN_CldDrnkHE	1	0.43	0	0.04
VEND2	LDGCZ04	RET	2_VN_CldDrnkHE	1	0.55	0	0.1
VEND2	LGOCZ04	RET	2_VN_CldDrnkHE	1	0.47	0	0.04
VEND2	MSCCZ04	RET	2_VN_CldDrnkHE	1	0.13	0	0.1
VEND2	REFCZ04	RET	2_VN_CldDrnkHE	1	0.41	0	0.04
VEND2	RETCZ04	RET	2_VN_CldDrnkHE	1	0.34	0	0.1
VEND2	RSTCZ04	RET	2_VN_CldDrnkHE	1	0.02	0	0.42
VEND2	SCHCZ04	RET	2_VN_CldDrnkHE	1	0.31	0	0.1
VEND2	SMOCZ04	RET	2_VN_CldDrnkHE	1	0.23	0	0.21
VEND2	WRHCZ04	RET	2_VN_CldDrnkHE	1	0.48	0	0.03
VEND1	COLCZ04	RET	2_VN_NonRefHE	1	0.52	0	0.02
VEND1	GRCCZ04	RET	2_VN_NonRefHE	1	0.05	0	0.11
VEND1	HLTCZ04	RET	2_VN_NonRefHE	1	0.15	0	0.02
VEND1	LDGCZ04	RET	2_VN_NonRefHE	1	0.26	0	0.04
VEND1	LGOCZ04	RET	2_VN_NonRefHE	1	0.31	0	0.03
VEND1	MSCCZ04	RET	2_VN_NonRefHE	1	0.08	0	0.08
VEND1	REFCZ04	RET	2_VN_NonRefHE	1	0.2	0	0.01
VEND1	RETCZ04	RET	2_VN_NonRefHE	1	0.22	0	0.07
VEND1	RSTCZ04	RET	2_VN_NonRefHE	1	0	0	0
VEND1	SCHCZ04	RET	2_VN_NonRefHE	1	0.01	0	0.04
VEND1	SMOCZ04	RET	2_VN_NonRefHE	1	0.02	0	0.63
VEND1	WRHCZ04	RET	2_VN_NonRefHE	1	0.25	0	0.02
OFFICE1	COLCZ04	ROB	1_OF_SmlCopy	1	1	0.4	0.03
OFFICE1	COLCZ04	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	GRCCZ04	ROB	1_OF_SmlCopy	1	1	0.21	0.21
OFFICE1	GRCCZ04	ROB	2_OF_SmlCopyES	2	1	0	0.21
OFFICE1	HLTCZ04	ROB	1_OF_SmlCopy	1	1	0.34	0.11
OFFICE1	HLTCZ04	ROB	2_OF_SmlCopyES	2	1	0	0.11
OFFICE1	LDGCZ04	ROB	1_OF_SmlCopy	1	1	0.25	0.05

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	LDGCZ04	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ04	ROB	1_OF_SmlCopy	1	1	0.41	0.23
OFFICE1	LGOCZ04	ROB	2_OF_SmlCopyES	2	1	0	0.23
OFFICE1	MSCCZ04	ROB	1_OF_SmlCopy	1	1	0.12	0.17
OFFICE1	MSCCZ04	ROB	2_OF_SmlCopyES	2	1	0.01	0.17
OFFICE1	REFCZ04	ROB	1_OF_SmlCopy	1	1	0.22	0.05
OFFICE1	REFCZ04	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	RETCZ04	ROB	1_OF_SmlCopy	1	1	0.3	0.19
OFFICE1	RETCZ04	ROB	2_OF_SmlCopyES	2	1	0.02	0.19
OFFICE1	RSTCZ04	ROB	1_OF_SmlCopy	1	1	0.21	0.22
OFFICE1	RSTCZ04	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ04	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	SCHCZ04	ROB	2_OF_SmlCopyES	2	1	0	0.08
OFFICE1	SMOCZ04	ROB	1_OF_SmlCopy	1	1	0.14	0.79
OFFICE1	SMOCZ04	ROB	2_OF_SmlCopyES	2	1	0	0.79
OFFICE1	WRHCZ04	ROB	1_OF_SmlCopy	1	1	0.34	0.06
OFFICE1	WRHCZ04	ROB	2_OF_SmlCopyES	2	1	0	0.06
WATER3	COLCZ04	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ04	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ04	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ04	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ04	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ04	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ04	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ04	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ04	RET	2_WH_CircTimer	1	0.09	0	0.18
WATER3	SCHCZ04	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ04	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ04	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ04	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ04	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ04	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ04	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ04	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ04	ROB	3_WH_Instant	3	1	0	0.27



PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	HLTCZ04	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ04	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ04	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ04	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ04	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ04	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ04	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ04	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ04	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ04	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ04	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ04	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ04	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ04	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ04	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ04	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ04	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ04	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ04	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ04	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ04	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ04	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ04	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ04	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ04	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ04	ROB	2_WH_StorageHE	2	1	0	0.28
WATER2	SMOCZ04	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ04	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ04	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ04	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ04	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ04	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ04	NEW	1_WH_GasComm	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	GRCCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ04	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ04	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ04	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ04	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ04	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ04	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SMOCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ05	ROB	1_CK_FdStmr	1	1	0.32	0
COOK6	COLCZ05	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ05	ROB	1_CK_FdStmr	1	1	0.1	0.11
COOK6	GRCCZ05	ROB	2_CK_Pressureles	2	1	0	0.11
COOK6	HLTCZ05	ROB	1_CK_FdStmr	1	1	0.3	0.02
COOK6	HLTCZ05	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	LDGCZ05	ROB	1_CK_FdStmr	1	1	0.08	0.01
COOK6	LDGCZ05	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LGOCZ05	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LGOCZ05	ROB	2_CK_Pressureles	2	1	0	0
COOK6	MSCCZ05	ROB	1_CK_FdStmr	1	1	0.07	0.02
COOK6	MSCCZ05	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	REFCZ05	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ05	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ05	ROB	1_CK_FdStmr	1	1	0.03	0.01
COOK6	RETCZ05	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	RSTCZ05	ROB	1_CK_FdStmr	1	1	0.21	0.41
COOK6	RSTCZ05	ROB	2_CK_Pressureles	2	1	0	0.41
COOK6	SCHCZ05	ROB	1_CK_FdStmr	1	1	0.22	0.01
COOK6	SCHCZ05	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	SMOCZ05	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ05	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ05	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ05	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ05	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	COLCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ05	ROB	1_CK_HoldCbnt	1	1	0.23	0.03
COOK5	GRCCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	HLTCZ05	ROB	1_CK_HoldCbnt	1	1	0.04	0.02
COOK5	HLTCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	LDGCZ05	ROB	1_CK_HoldCbnt	1	1	0.02	0.01
COOK5	LDGCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	LGOCZ05	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ05	ROB	1_CK_HoldCbnt	1	1	0.04	0.02

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	REFCZ05	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ05	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	RETCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RSTCZ05	ROB	1_CK_HoldCbnt	1	1	0.06	0.56
COOK5	RSTCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0.56
COOK5	SCHCZ05	ROB	1_CK_HoldCbnt	1	1	0.11	0.02
COOK5	SCHCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	SMOCZ05	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ05	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ05	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ05	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ05	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ05	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ05	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ05	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ05	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ05	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ05	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ05	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ05	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ05	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ05	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ05	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ05	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ05	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ05	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ05	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ05	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ05	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ05	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ05	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ05	ROB	2_CK_GriddleHE	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	WRHCZ05	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ05	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ05	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ05	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ05	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ05	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ05	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ05	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ05	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ05	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ05	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ05	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ05	ROB	1_CK_Oven	1	1	0.09	0.07
COOK3	MSCCZ05	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ05	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ05	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ05	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ05	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ05	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ05	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ05	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ05	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ05	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ05	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ05	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ05	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ05	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ05	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ05	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ05	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ05	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOCZ05	ROB	1_CK_PzOven	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	LGOCZ05	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ05	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ05	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ05	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ05	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ05	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ05	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ05	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ05	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ05	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ05	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ05	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ05	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ05	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ05	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ05	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ05	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ05	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ05	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ05	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ05	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.01

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SMOCZ05	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ05	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ05	RET	2_VN_CldDrnkHE	1	0.5	0	0.02
VEND2	GRCCZ05	RET	2_VN_CldDrnkHE	1	0.33	0	0.17
VEND2	HLTCZ05	RET	2_VN_CldDrnkHE	1	0.43	0	0.04
VEND2	LDGCZ05	RET	2_VN_CldDrnkHE	1	0.55	0	0.1
VEND2	LGOCZ05	RET	2_VN_CldDrnkHE	1	0.47	0	0.04
VEND2	MSCCZ05	RET	2_VN_CldDrnkHE	1	0.13	0	0.1
VEND2	REFCZ05	RET	2_VN_CldDrnkHE	1	0.41	0	0.04
VEND2	RETCZ05	RET	2_VN_CldDrnkHE	1	0.34	0	0.1
VEND2	RSTCZ05	RET	2_VN_CldDrnkHE	1	0.02	0	0.42
VEND2	SCHCZ05	RET	2_VN_CldDrnkHE	1	0.31	0	0.1
VEND2	SMOCZ05	RET	2_VN_CldDrnkHE	1	0.23	0	0.21
VEND2	WRHCZ05	RET	2_VN_CldDrnkHE	1	0.48	0	0.03
VEND1	COLCZ05	RET	2_VN_NonRefHE	1	0.52	0	0.02
VEND1	GRCCZ05	RET	2_VN_NonRefHE	1	0.05	0	0.11
VEND1	HLTCZ05	RET	2_VN_NonRefHE	1	0.15	0	0.02
VEND1	LDGCZ05	RET	2_VN_NonRefHE	1	0.26	0	0.04
VEND1	LGOCZ05	RET	2_VN_NonRefHE	1	0.31	0	0.03
VEND1	MSCCZ05	RET	2_VN_NonRefHE	1	0.08	0	0.08
VEND1	REFCZ05	RET	2_VN_NonRefHE	1	0.2	0	0.01
VEND1	RETCZ05	RET	2_VN_NonRefHE	1	0.22	0	0.07
VEND1	RSTCZ05	RET	2_VN_NonRefHE	1	0	0	0
VEND1	SCHCZ05	RET	2_VN_NonRefHE	1	0.01	0	0.04
VEND1	SMOCZ05	RET	2_VN_NonRefHE	1	0.02	0	0.63
VEND1	WRHCZ05	RET	2_VN_NonRefHE	1	0.25	0	0.02
OFFICE1	COLCZ05	ROB	1_OF_SmlCopy	1	1	0.4	0.03
OFFICE1	COLCZ05	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	GRCCZ05	ROB	1_OF_SmlCopy	1	1	0.21	0.21
OFFICE1	GRCCZ05	ROB	2_OF_SmlCopyES	2	1	0	0.21
OFFICE1	HLTCZ05	ROB	1_OF_SmlCopy	1	1	0.34	0.11
OFFICE1	HLTCZ05	ROB	2_OF_SmlCopyES	2	1	0	0.11
OFFICE1	LDGCZ05	ROB	1_OF_SmlCopy	1	1	0.25	0.05



PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	LDGCZ05	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ05	ROB	1_OF_SmlCopy	1	1	0.41	0.23
OFFICE1	LGOCZ05	ROB	2_OF_SmlCopyES	2	1	0	0.23
OFFICE1	MSCCZ05	ROB	1_OF_SmlCopy	1	1	0.12	0.17
OFFICE1	MSCCZ05	ROB	2_OF_SmlCopyES	2	1	0.01	0.17
OFFICE1	REFCZ05	ROB	1_OF_SmlCopy	1	1	0.22	0.05
OFFICE1	REFCZ05	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	RETCZ05	ROB	1_OF_SmlCopy	1	1	0.3	0.19
OFFICE1	RETCZ05	ROB	2_OF_SmlCopyES	2	1	0.02	0.19
OFFICE1	RSTCZ05	ROB	1_OF_SmlCopy	1	1	0.21	0.22
OFFICE1	RSTCZ05	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ05	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	SCHCZ05	ROB	2_OF_SmlCopyES	2	1	0	0.08
OFFICE1	SMOCZ05	ROB	1_OF_SmlCopy	1	1	0.14	0.79
OFFICE1	SMOCZ05	ROB	2_OF_SmlCopyES	2	1	0	0.79
OFFICE1	WRHCZ05	ROB	1_OF_SmlCopy	1	1	0.34	0.06
OFFICE1	WRHCZ05	ROB	2_OF_SmlCopyES	2	1	0	0.06
WATER3	COLCZ05	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ05	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ05	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ05	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ05	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ05	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ05	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ05	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ05	RET	2_WH_CircTimer	1	0.09	0	0.18
WATER3	SCHCZ05	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ05	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ05	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ05	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ05	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ05	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ05	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ05	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ05	ROB	3_WH_Instant	3	1	0	0.27

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	HLTCZ05	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ05	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ05	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ05	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ05	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ05	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ05	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ05	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ05	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ05	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ05	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ05	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ05	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ05	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ05	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ05	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ05	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ05	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ05	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ05	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ05	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ05	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ05	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ05	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ05	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ05	ROB	2_WH_StorageHE	2	1	0	0.28
WATER2	SMOCZ05	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ05	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ05	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ05	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ05	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ05	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ05	NEW	1_WH_GasComm	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	GRCCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ05	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ05	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ05	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ05	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ05	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ05	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SMOCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ11	ROB	1_CK_FdStmr	1	1	0.32	0
COOK6	COLCZ11	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ11	ROB	1_CK_FdStmr	1	1	0.1	0.11
COOK6	GRCCZ11	ROB	2_CK_Pressureles	2	1	0	0.11
COOK6	HLTCZ11	ROB	1_CK_FdStmr	1	1	0.3	0.02
COOK6	HLTCZ11	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	LDGCZ11	ROB	1_CK_FdStmr	1	1	0.08	0.01
COOK6	LDGCZ11	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LGOCZ11	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LGOCZ11	ROB	2_CK_Pressureles	2	1	0	0
COOK6	MSCCZ11	ROB	1_CK_FdStmr	1	1	0.07	0.02
COOK6	MSCCZ11	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	REFCZ11	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ11	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ11	ROB	1_CK_FdStmr	1	1	0.03	0.01
COOK6	RETCZ11	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	RSTCZ11	ROB	1_CK_FdStmr	1	1	0.21	0.41
COOK6	RSTCZ11	ROB	2_CK_Pressureles	2	1	0	0.41
COOK6	SCHCZ11	ROB	1_CK_FdStmr	1	1	0.22	0.01
COOK6	SCHCZ11	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	SMOCZ11	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ11	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ11	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ11	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ11	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	COLCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ11	ROB	1_CK_HoldCbnt	1	1	0.23	0.03
COOK5	GRCCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	HLTCZ11	ROB	1_CK_HoldCbnt	1	1	0.04	0.02
COOK5	HLTCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	LDGCZ11	ROB	1_CK_HoldCbnt	1	1	0.02	0.01
COOK5	LDGCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	LGOCZ11	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ11	ROB	1_CK_HoldCbnt	1	1	0.04	0.02

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	REFCZ11	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ11	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	RETCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RSTCZ11	ROB	1_CK_HoldCbnt	1	1	0.06	0.56
COOK5	RSTCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0.56
COOK5	SCHCZ11	ROB	1_CK_HoldCbnt	1	1	0.11	0.02
COOK5	SCHCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	SMOCZ11	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ11	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ11	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ11	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ11	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ11	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ11	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ11	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ11	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ11	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ11	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ11	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ11	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ11	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ11	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ11	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ11	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ11	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ11	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ11	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ11	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ11	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ11	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ11	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ11	ROB	2_CK_GriddleHE	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	WRHCZ11	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ11	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ11	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ11	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ11	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ11	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ11	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ11	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ11	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ11	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ11	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ11	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ11	ROB	1_CK_Oven	1	1	0.09	0.07
COOK3	MSCCZ11	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ11	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ11	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ11	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ11	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ11	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ11	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ11	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ11	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ11	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ11	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ11	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ11	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ11	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ11	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ11	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ11	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ11	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ11	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ11	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ11	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOCZ11	ROB	1_CK_PzOven	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	LGOCZ11	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ11	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ11	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ11	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ11	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ11	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ11	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ11	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ11	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ11	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ11	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ11	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ11	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ11	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ11	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ11	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ11	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ11	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ11	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ11	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ11	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ11	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ11	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ11	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ11	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ11	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ11	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ11	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ11	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ11	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ11	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ11	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ11	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ11	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ11	ROB	2_CK_GasFryerIF	2	1	0	0.01



PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SMOCZ11	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ11	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ11	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ11	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ11	RET	2_VN_CldDrnkHE	1	0.5	0	0.02
VEND2	GRCCZ11	RET	2_VN_CldDrnkHE	1	0.33	0	0.17
VEND2	HLTCZ11	RET	2_VN_CldDrnkHE	1	0.43	0	0.04
VEND2	LDGCZ11	RET	2_VN_CldDrnkHE	1	0.55	0	0.1
VEND2	LGOCZ11	RET	2_VN_CldDrnkHE	1	0.47	0	0.04
VEND2	MSCCZ11	RET	2_VN_CldDrnkHE	1	0.13	0	0.1
VEND2	REFCZ11	RET	2_VN_CldDrnkHE	1	0.41	0	0.04
VEND2	RETCZ11	RET	2_VN_CldDrnkHE	1	0.34	0	0.1
VEND2	RSTCZ11	RET	2_VN_CldDrnkHE	1	0.02	0	0.42
VEND2	SCHCZ11	RET	2_VN_CldDrnkHE	1	0.31	0	0.1
VEND2	SMOCZ11	RET	2_VN_CldDrnkHE	1	0.23	0	0.21
VEND2	WRHCZ11	RET	2_VN_CldDrnkHE	1	0.48	0	0.03
VEND1	COLCZ11	RET	2_VN_NonRefHE	1	0.52	0	0.02
VEND1	GRCCZ11	RET	2_VN_NonRefHE	1	0.05	0	0.11
VEND1	HLTCZ11	RET	2_VN_NonRefHE	1	0.15	0	0.02
VEND1	LDGCZ11	RET	2_VN_NonRefHE	1	0.26	0	0.04
VEND1	LGOCZ11	RET	2_VN_NonRefHE	1	0.31	0	0.03
VEND1	MSCCZ11	RET	2_VN_NonRefHE	1	0.08	0	0.08
VEND1	REFCZ11	RET	2_VN_NonRefHE	1	0.2	0	0.01
VEND1	RETCZ11	RET	2_VN_NonRefHE	1	0.22	0	0.07
VEND1	RSTCZ11	RET	2_VN_NonRefHE	1	0	0	0
VEND1	SCHCZ11	RET	2_VN_NonRefHE	1	0.01	0	0.04
VEND1	SMOCZ11	RET	2_VN_NonRefHE	1	0.02	0	0.63
VEND1	WRHCZ11	RET	2_VN_NonRefHE	1	0.25	0	0.02
OFFICE1	COLCZ11	ROB	1_OF_SmlCopy	1	1	0.4	0.03
OFFICE1	COLCZ11	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	GRCCZ11	ROB	1_OF_SmlCopy	1	1	0.21	0.21
OFFICE1	GRCCZ11	ROB	2_OF_SmlCopyES	2	1	0	0.21
OFFICE1	HLTCZ11	ROB	1_OF_SmlCopy	1	1	0.34	0.11
OFFICE1	HLTCZ11	ROB	2_OF_SmlCopyES	2	1	0	0.11
OFFICE1	LDGCZ11	ROB	1_OF_SmlCopy	1	1	0.25	0.05

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	LDGCZ11	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ11	ROB	1_OF_SmlCopy	1	1	0.41	0.23
OFFICE1	LGOCZ11	ROB	2_OF_SmlCopyES	2	1	0	0.23
OFFICE1	MSCCZ11	ROB	1_OF_SmlCopy	1	1	0.12	0.17
OFFICE1	MSCCZ11	ROB	2_OF_SmlCopyES	2	1	0.01	0.17
OFFICE1	REFCZ11	ROB	1_OF_SmlCopy	1	1	0.22	0.05
OFFICE1	REFCZ11	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	RETCZ11	ROB	1_OF_SmlCopy	1	1	0.3	0.19
OFFICE1	RETCZ11	ROB	2_OF_SmlCopyES	2	1	0.02	0.19
OFFICE1	RSTCZ11	ROB	1_OF_SmlCopy	1	1	0.21	0.22
OFFICE1	RSTCZ11	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ11	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	SCHCZ11	ROB	2_OF_SmlCopyES	2	1	0	0.08
OFFICE1	SMOCZ11	ROB	1_OF_SmlCopy	1	1	0.14	0.79
OFFICE1	SMOCZ11	ROB	2_OF_SmlCopyES	2	1	0	0.79
OFFICE1	WRHCZ11	ROB	1_OF_SmlCopy	1	1	0.34	0.06
OFFICE1	WRHCZ11	ROB	2_OF_SmlCopyES	2	1	0	0.06
WATER3	COLCZ11	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ11	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ11	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ11	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ11	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ11	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ11	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ11	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ11	RET	2_WH_CircTimer	1	0.09	0	0.18
WATER3	SCHCZ11	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ11	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ11	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ11	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ11	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ11	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ11	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ11	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ11	ROB	3_WH_Instant	3	1	0	0.27

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	HLTCZ11	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ11	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ11	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ11	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ11	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ11	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ11	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ11	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ11	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ11	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ11	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ11	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ11	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ11	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ11	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ11	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ11	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ11	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ11	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ11	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ11	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ11	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ11	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ11	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ11	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ11	ROB	2_WH_StorageHE	2	1	0	0.28
WATER2	SMOCZ11	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ11	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ11	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ11	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ11	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ11	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ11	NEW	1_WH_GasComm	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	GRCCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ11	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ11	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ11	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ11	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ11	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOCZ11	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOCZ11	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ11	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ11	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ11	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ11	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ11	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ11	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ11	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ11	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ11	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ11	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SMOCZ11	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ11	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ11	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ11	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ11	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ11	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ12	ROB	1_CK_FdStmr	1	1	0.32	0
COOK6	COLCZ12	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ12	ROB	1_CK_FdStmr	1	1	0.1	0.11
COOK6	GRCCZ12	ROB	2_CK_Pressureles	2	1	0	0.11
COOK6	HLTCZ12	ROB	1_CK_FdStmr	1	1	0.3	0.02
COOK6	HLTCZ12	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	LDGCZ12	ROB	1_CK_FdStmr	1	1	0.08	0.01
COOK6	LDGCZ12	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LGOCZ12	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LGOCZ12	ROB	2_CK_Pressureles	2	1	0	0
COOK6	MSCCZ12	ROB	1_CK_FdStmr	1	1	0.07	0.02
COOK6	MSCCZ12	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	REFCZ12	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ12	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ12	ROB	1_CK_FdStmr	1	1	0.03	0.01
COOK6	RETCZ12	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	RSTCZ12	ROB	1_CK_FdStmr	1	1	0.21	0.41
COOK6	RSTCZ12	ROB	2_CK_Pressureles	2	1	0	0.41
COOK6	SCHCZ12	ROB	1_CK_FdStmr	1	1	0.22	0.01
COOK6	SCHCZ12	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	SMOCZ12	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ12	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ12	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ12	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ12	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	COLCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ12	ROB	1_CK_HoldCbnt	1	1	0.23	0.03
COOK5	GRCCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	HLTCZ12	ROB	1_CK_HoldCbnt	1	1	0.04	0.02
COOK5	HLTCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	LDGCZ12	ROB	1_CK_HoldCbnt	1	1	0.02	0.01
COOK5	LDGCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	LGOCZ12	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ12	ROB	1_CK_HoldCbnt	1	1	0.04	0.02

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	REFCZ12	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ12	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	RETCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RSTCZ12	ROB	1_CK_HoldCbnt	1	1	0.06	0.56
COOK5	RSTCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0.56
COOK5	SCHCZ12	ROB	1_CK_HoldCbnt	1	1	0.11	0.02
COOK5	SCHCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	SMOCZ12	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ12	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ12	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ12	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ12	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ12	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ12	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ12	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ12	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ12	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ12	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ12	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ12	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ12	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ12	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ12	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ12	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ12	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ12	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ12	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ12	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ12	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ12	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ12	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ12	ROB	2_CK_GriddleHE	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	WRHCZ12	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ12	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ12	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ12	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ12	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ12	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ12	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ12	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ12	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ12	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ12	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ12	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ12	ROB	1_CK_Oven	1	1	0.09	0.07
COOK3	MSCCZ12	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ12	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ12	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ12	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ12	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ12	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ12	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ12	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ12	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ12	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ12	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ12	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ12	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ12	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ12	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ12	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ12	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ12	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ12	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ12	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ12	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOCZ12	ROB	1_CK_PzOven	1	1	0	0



PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	LGOCZ12	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ12	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ12	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ12	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ12	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ12	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ12	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ12	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ12	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ12	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ12	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ12	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ12	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ12	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ12	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ12	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ12	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ12	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ12	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ12	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ12	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ12	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ12	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ12	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ12	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ12	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ12	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ12	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ12	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ12	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ12	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ12	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ12	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ12	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ12	ROB	2_CK_GasFryerIF	2	1	0	0.01

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SMOCZ12	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ12	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ12	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ12	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ12	RET	2_VN_CldDrnkHE	1	0.5	0	0.02
VEND2	GRCCZ12	RET	2_VN_CldDrnkHE	1	0.33	0	0.17
VEND2	HLTCZ12	RET	2_VN_CldDrnkHE	1	0.43	0	0.04
VEND2	LDGCZ12	RET	2_VN_CldDrnkHE	1	0.55	0	0.1
VEND2	LGOCZ12	RET	2_VN_CldDrnkHE	1	0.47	0	0.04
VEND2	MSCCZ12	RET	2_VN_CldDrnkHE	1	0.13	0	0.1
VEND2	REFCZ12	RET	2_VN_CldDrnkHE	1	0.41	0	0.04
VEND2	RETCZ12	RET	2_VN_CldDrnkHE	1	0.34	0	0.1
VEND2	RSTCZ12	RET	2_VN_CldDrnkHE	1	0.02	0	0.42
VEND2	SCHCZ12	RET	2_VN_CldDrnkHE	1	0.31	0	0.1
VEND2	SMOCZ12	RET	2_VN_CldDrnkHE	1	0.23	0	0.21
VEND2	WRHCZ12	RET	2_VN_CldDrnkHE	1	0.48	0	0.03
VEND1	COLCZ12	RET	2_VN_NonRefHE	1	0.52	0	0.02
VEND1	GRCCZ12	RET	2_VN_NonRefHE	1	0.05	0	0.11
VEND1	HLTCZ12	RET	2_VN_NonRefHE	1	0.15	0	0.02
VEND1	LDGCZ12	RET	2_VN_NonRefHE	1	0.26	0	0.04
VEND1	LGOCZ12	RET	2_VN_NonRefHE	1	0.31	0	0.03
VEND1	MSCCZ12	RET	2_VN_NonRefHE	1	0.08	0	0.08
VEND1	REFCZ12	RET	2_VN_NonRefHE	1	0.2	0	0.01
VEND1	RETCZ12	RET	2_VN_NonRefHE	1	0.22	0	0.07
VEND1	RSTCZ12	RET	2_VN_NonRefHE	1	0	0	0
VEND1	SCHCZ12	RET	2_VN_NonRefHE	1	0.01	0	0.04
VEND1	SMOCZ12	RET	2_VN_NonRefHE	1	0.02	0	0.63
VEND1	WRHCZ12	RET	2_VN_NonRefHE	1	0.25	0	0.02
OFFICE1	COLCZ12	ROB	1_OF_SmlCopy	1	1	0.4	0.03
OFFICE1	COLCZ12	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	GRCCZ12	ROB	1_OF_SmlCopy	1	1	0.21	0.21
OFFICE1	GRCCZ12	ROB	2_OF_SmlCopyES	2	1	0	0.21
OFFICE1	HLTCZ12	ROB	1_OF_SmlCopy	1	1	0.34	0.11
OFFICE1	HLTCZ12	ROB	2_OF_SmlCopyES	2	1	0	0.11
OFFICE1	LDGCZ12	ROB	1_OF_SmlCopy	1	1	0.25	0.05

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	LDGCZ12	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ12	ROB	1_OF_SmlCopy	1	1	0.41	0.23
OFFICE1	LGOCZ12	ROB	2_OF_SmlCopyES	2	1	0	0.23
OFFICE1	MSCCZ12	ROB	1_OF_SmlCopy	1	1	0.12	0.17
OFFICE1	MSCCZ12	ROB	2_OF_SmlCopyES	2	1	0.01	0.17
OFFICE1	REFCZ12	ROB	1_OF_SmlCopy	1	1	0.22	0.05
OFFICE1	REFCZ12	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	RETCZ12	ROB	1_OF_SmlCopy	1	1	0.3	0.19
OFFICE1	RETCZ12	ROB	2_OF_SmlCopyES	2	1	0.02	0.19
OFFICE1	RSTCZ12	ROB	1_OF_SmlCopy	1	1	0.21	0.22
OFFICE1	RSTCZ12	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ12	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	SCHCZ12	ROB	2_OF_SmlCopyES	2	1	0	0.08
OFFICE1	SMOCZ12	ROB	1_OF_SmlCopy	1	1	0.14	0.79
OFFICE1	SMOCZ12	ROB	2_OF_SmlCopyES	2	1	0	0.79
OFFICE1	WRHCZ12	ROB	1_OF_SmlCopy	1	1	0.34	0.06
OFFICE1	WRHCZ12	ROB	2_OF_SmlCopyES	2	1	0	0.06
WATER3	COLCZ12	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ12	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ12	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ12	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ12	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ12	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ12	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ12	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ12	RET	2_WH_CircTimer	1	0.09	0	0.18
WATER3	SCHCZ12	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ12	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ12	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ12	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ12	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ12	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ12	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ12	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ12	ROB	3_WH_Instant	3	1	0	0.27

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	HLTCZ12	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ12	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ12	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ12	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ12	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ12	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ12	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ12	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ12	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ12	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ12	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ12	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ12	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ12	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ12	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ12	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ12	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ12	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ12	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ12	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ12	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ12	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ12	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ12	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ12	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ12	ROB	2_WH_StorageHE	2	1	0	0.28
WATER2	SMOCZ12	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ12	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ12	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ12	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ12	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ12	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ12	NEW	1_WH_GasComm	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	GRCCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ12	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ12	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ12	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ12	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ12	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOCZ12	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOCZ12	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ12	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ12	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ12	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ12	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ12	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ12	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ12	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ12	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ12	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ12	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SMOCZ12	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ12	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ12	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ12	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ12	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ12	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ13	ROB	1_CK_FdStmr	1	1	0.32	0
COOK6	COLCZ13	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ13	ROB	1_CK_FdStmr	1	1	0.1	0.11
COOK6	GRCCZ13	ROB	2_CK_Pressureles	2	1	0	0.11
COOK6	HLTCZ13	ROB	1_CK_FdStmr	1	1	0.3	0.02
COOK6	HLTCZ13	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	LDGCZ13	ROB	1_CK_FdStmr	1	1	0.08	0.01
COOK6	LDGCZ13	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LGOCZ13	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LGOCZ13	ROB	2_CK_Pressureles	2	1	0	0
COOK6	MSCCZ13	ROB	1_CK_FdStmr	1	1	0.07	0.02
COOK6	MSCCZ13	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	REFCZ13	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ13	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ13	ROB	1_CK_FdStmr	1	1	0.03	0.01
COOK6	RETCZ13	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	RSTCZ13	ROB	1_CK_FdStmr	1	1	0.21	0.41
COOK6	RSTCZ13	ROB	2_CK_Pressureles	2	1	0	0.41
COOK6	SCHCZ13	ROB	1_CK_FdStmr	1	1	0.22	0.01
COOK6	SCHCZ13	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	SMOCZ13	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ13	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ13	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ13	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ13	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	COLCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ13	ROB	1_CK_HoldCbnt	1	1	0.23	0.03
COOK5	GRCCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	HLTCZ13	ROB	1_CK_HoldCbnt	1	1	0.04	0.02
COOK5	HLTCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	LDGCZ13	ROB	1_CK_HoldCbnt	1	1	0.02	0.01
COOK5	LDGCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	LGOCZ13	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ13	ROB	1_CK_HoldCbnt	1	1	0.04	0.02

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	REFCZ13	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ13	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	RETCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RSTCZ13	ROB	1_CK_HoldCbnt	1	1	0.06	0.56
COOK5	RSTCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0.56
COOK5	SCHCZ13	ROB	1_CK_HoldCbnt	1	1	0.11	0.02
COOK5	SCHCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	SMOCZ13	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ13	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ13	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ13	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ13	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ13	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ13	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ13	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ13	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ13	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ13	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ13	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ13	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ13	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ13	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ13	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ13	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ13	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ13	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ13	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ13	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ13	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ13	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ13	ROB	2_CK_GriddleHE	2	1	0	0



PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	WRHCZ13	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ13	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ13	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ13	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ13	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ13	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ13	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ13	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ13	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ13	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ13	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ13	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ13	ROB	1_CK_Oven	1	1	0.09	0.07
COOK3	MSCCZ13	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ13	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ13	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ13	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ13	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ13	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ13	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ13	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ13	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ13	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ13	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ13	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ13	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ13	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ13	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ13	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ13	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ13	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOCZ13	ROB	1_CK_PzOven	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	LGOCZ13	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ13	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ13	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ13	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ13	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ13	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ13	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ13	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ13	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ13	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ13	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ13	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ13	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ13	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ13	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ13	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ13	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ13	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ13	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ13	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ13	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.01

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SMOCZ13	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ13	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ13	RET	2_VN_CldDrnkHE	1	0.5	0	0.02
VEND2	GRCCZ13	RET	2_VN_CldDrnkHE	1	0.33	0	0.17
VEND2	HLTCZ13	RET	2_VN_CldDrnkHE	1	0.43	0	0.04
VEND2	LDGCZ13	RET	2_VN_CldDrnkHE	1	0.55	0	0.1
VEND2	LGOCZ13	RET	2_VN_CldDrnkHE	1	0.47	0	0.04
VEND2	MSCCZ13	RET	2_VN_CldDrnkHE	1	0.13	0	0.1
VEND2	REFCZ13	RET	2_VN_CldDrnkHE	1	0.41	0	0.04
VEND2	RETCZ13	RET	2_VN_CldDrnkHE	1	0.34	0	0.1
VEND2	RSTCZ13	RET	2_VN_CldDrnkHE	1	0.02	0	0.42
VEND2	SCHCZ13	RET	2_VN_CldDrnkHE	1	0.31	0	0.1
VEND2	SMOCZ13	RET	2_VN_CldDrnkHE	1	0.23	0	0.21
VEND2	WRHCZ13	RET	2_VN_CldDrnkHE	1	0.48	0	0.03
VEND1	COLCZ13	RET	2_VN_NonRefHE	1	0.52	0	0.02
VEND1	GRCCZ13	RET	2_VN_NonRefHE	1	0.05	0	0.11
VEND1	HLTCZ13	RET	2_VN_NonRefHE	1	0.15	0	0.02
VEND1	LDGCZ13	RET	2_VN_NonRefHE	1	0.26	0	0.04
VEND1	LGOCZ13	RET	2_VN_NonRefHE	1	0.31	0	0.03
VEND1	MSCCZ13	RET	2_VN_NonRefHE	1	0.08	0	0.08
VEND1	REFCZ13	RET	2_VN_NonRefHE	1	0.2	0	0.01
VEND1	RETCZ13	RET	2_VN_NonRefHE	1	0.22	0	0.07
VEND1	RSTCZ13	RET	2_VN_NonRefHE	1	0	0	0
VEND1	SCHCZ13	RET	2_VN_NonRefHE	1	0.01	0	0.04
VEND1	SMOCZ13	RET	2_VN_NonRefHE	1	0.02	0	0.63
VEND1	WRHCZ13	RET	2_VN_NonRefHE	1	0.25	0	0.02
OFFICE1	COLCZ13	ROB	1_OF_SmlCopy	1	1	0.4	0.03
OFFICE1	COLCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	GRCCZ13	ROB	1_OF_SmlCopy	1	1	0.21	0.21
OFFICE1	GRCCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.21
OFFICE1	HLTCZ13	ROB	1_OF_SmlCopy	1	1	0.34	0.11
OFFICE1	HLTCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.11
OFFICE1	LDGCZ13	ROB	1_OF_SmlCopy	1	1	0.25	0.05

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	LDGCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ13	ROB	1_OF_SmlCopy	1	1	0.41	0.23
OFFICE1	LGOCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.23
OFFICE1	MSCCZ13	ROB	1_OF_SmlCopy	1	1	0.12	0.17
OFFICE1	MSCCZ13	ROB	2_OF_SmlCopyES	2	1	0.01	0.17
OFFICE1	REFCZ13	ROB	1_OF_SmlCopy	1	1	0.22	0.05
OFFICE1	REFCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	RETCZ13	ROB	1_OF_SmlCopy	1	1	0.3	0.19
OFFICE1	RETCZ13	ROB	2_OF_SmlCopyES	2	1	0.02	0.19
OFFICE1	RSTCZ13	ROB	1_OF_SmlCopy	1	1	0.21	0.22
OFFICE1	RSTCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ13	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	SCHCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.08
OFFICE1	SMOCZ13	ROB	1_OF_SmlCopy	1	1	0.14	0.79
OFFICE1	SMOCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.79
OFFICE1	WRHCZ13	ROB	1_OF_SmlCopy	1	1	0.34	0.06
OFFICE1	WRHCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.06
WATER3	COLCZ13	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ13	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ13	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ13	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ13	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ13	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ13	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ13	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ13	RET	2_WH_CircTimer	1	0.09	0	0.18
WATER3	SCHCZ13	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ13	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ13	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ13	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ13	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ13	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ13	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ13	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ13	ROB	3_WH_Instant	3	1	0	0.27

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	HLTCZ13	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ13	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ13	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ13	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ13	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ13	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ13	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ13	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ13	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ13	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ13	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ13	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ13	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ13	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ13	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ13	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ13	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ13	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ13	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ13	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ13	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ13	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ13	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ13	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ13	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ13	ROB	2_WH_StorageHE	2	1	0	0.28
WATER2	SMOCZ13	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ13	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ13	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ13	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ13	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ13	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ13	NEW	1_WH_GasComm	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	GRCCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ13	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ13	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ13	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ13	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ13	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ13	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SMOCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ16	ROB	1_CK_FdStmr	1	1	0.32	0
COOK6	COLCZ16	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ16	ROB	1_CK_FdStmr	1	1	0.1	0.11
COOK6	GRCCZ16	ROB	2_CK_Pressureles	2	1	0	0.11
COOK6	HLTCZ16	ROB	1_CK_FdStmr	1	1	0.3	0.02
COOK6	HLTCZ16	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	LDGCZ16	ROB	1_CK_FdStmr	1	1	0.08	0.01
COOK6	LDGCZ16	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LGOCZ16	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LGOCZ16	ROB	2_CK_Pressureles	2	1	0	0
COOK6	MSCCZ16	ROB	1_CK_FdStmr	1	1	0.07	0.02
COOK6	MSCCZ16	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	REFCZ16	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ16	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ16	ROB	1_CK_FdStmr	1	1	0.03	0.01
COOK6	RETCZ16	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	RSTCZ16	ROB	1_CK_FdStmr	1	1	0.21	0.41
COOK6	RSTCZ16	ROB	2_CK_Pressureles	2	1	0	0.41
COOK6	SCHCZ16	ROB	1_CK_FdStmr	1	1	0.22	0.01
COOK6	SCHCZ16	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	SMOCZ16	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ16	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ16	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ16	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ16	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	COLCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ16	ROB	1_CK_HoldCbnt	1	1	0.23	0.03
COOK5	GRCCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	HLTCZ16	ROB	1_CK_HoldCbnt	1	1	0.04	0.02
COOK5	HLTCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	LDGCZ16	ROB	1_CK_HoldCbnt	1	1	0.02	0.01
COOK5	LDGCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	LGOCZ16	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ16	ROB	1_CK_HoldCbnt	1	1	0.04	0.02



PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	REFCZ16	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ16	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	RETCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RSTCZ16	ROB	1_CK_HoldCbnt	1	1	0.06	0.56
COOK5	RSTCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0.56
COOK5	SCHCZ16	ROB	1_CK_HoldCbnt	1	1	0.11	0.02
COOK5	SCHCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0.02
COOK5	SMOCZ16	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ16	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ16	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ16	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ16	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ16	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ16	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ16	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ16	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ16	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ16	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ16	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ16	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ16	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ16	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ16	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ16	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ16	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ16	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ16	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ16	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ16	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ16	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ16	ROB	2_CK_GriddleHE	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	WRHCZ16	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ16	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ16	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ16	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ16	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ16	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ16	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ16	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ16	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ16	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ16	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ16	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ16	ROB	1_CK_Oven	1	1	0.09	0.07
COOK3	MSCCZ16	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ16	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ16	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ16	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ16	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ16	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ16	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ16	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ16	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ16	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ16	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ16	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ16	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ16	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ16	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ16	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ16	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ16	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOCZ16	ROB	1_CK_PzOven	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	LGOCZ16	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ16	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ16	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ16	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ16	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ16	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ16	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ16	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ16	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ16	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ16	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ16	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ16	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ16	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ16	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ16	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ16	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ16	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ16	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ16	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ16	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ16	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ16	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ16	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ16	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.01

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SMOCZ16	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ16	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ16	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ16	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ16	RET	2_VN_CldDrnkHE	1	0.5	0	0.02
VEND2	GRCCZ16	RET	2_VN_CldDrnkHE	1	0.33	0	0.17
VEND2	HLTCZ16	RET	2_VN_CldDrnkHE	1	0.43	0	0.04
VEND2	LDGCZ16	RET	2_VN_CldDrnkHE	1	0.55	0	0.1
VEND2	LGOCZ16	RET	2_VN_CldDrnkHE	1	0.47	0	0.04
VEND2	MSCCZ16	RET	2_VN_CldDrnkHE	1	0.13	0	0.1
VEND2	REFCZ16	RET	2_VN_CldDrnkHE	1	0.41	0	0.04
VEND2	RETCZ16	RET	2_VN_CldDrnkHE	1	0.34	0	0.1
VEND2	RSTCZ16	RET	2_VN_CldDrnkHE	1	0.02	0	0.42
VEND2	SCHCZ16	RET	2_VN_CldDrnkHE	1	0.31	0	0.1
VEND2	SMOCZ16	RET	2_VN_CldDrnkHE	1	0.23	0	0.21
VEND2	WRHCZ16	RET	2_VN_CldDrnkHE	1	0.48	0	0.03
VEND1	COLCZ16	RET	2_VN_NonRefHE	1	0.52	0	0.02
VEND1	GRCCZ16	RET	2_VN_NonRefHE	1	0.05	0	0.11
VEND1	HLTCZ16	RET	2_VN_NonRefHE	1	0.15	0	0.02
VEND1	LDGCZ16	RET	2_VN_NonRefHE	1	0.26	0	0.04
VEND1	LGOCZ16	RET	2_VN_NonRefHE	1	0.31	0	0.03
VEND1	MSCCZ16	RET	2_VN_NonRefHE	1	0.08	0	0.08
VEND1	REFCZ16	RET	2_VN_NonRefHE	1	0.2	0	0.01
VEND1	RETCZ16	RET	2_VN_NonRefHE	1	0.22	0	0.07
VEND1	RSTCZ16	RET	2_VN_NonRefHE	1	0	0	0
VEND1	SCHCZ16	RET	2_VN_NonRefHE	1	0.01	0	0.04
VEND1	SMOCZ16	RET	2_VN_NonRefHE	1	0.02	0	0.63
VEND1	WRHCZ16	RET	2_VN_NonRefHE	1	0.25	0	0.02
OFFICE1	COLCZ16	ROB	1_OF_SmlCopy	1	1	0.4	0.03
OFFICE1	COLCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	GRCCZ16	ROB	1_OF_SmlCopy	1	1	0.21	0.21
OFFICE1	GRCCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.21
OFFICE1	HLTCZ16	ROB	1_OF_SmlCopy	1	1	0.34	0.11
OFFICE1	HLTCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.11
OFFICE1	LDGCZ16	ROB	1_OF_SmlCopy	1	1	0.25	0.05

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	LDGCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ16	ROB	1_OF_SmlCopy	1	1	0.41	0.23
OFFICE1	LGOCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.23
OFFICE1	MSCCZ16	ROB	1_OF_SmlCopy	1	1	0.12	0.17
OFFICE1	MSCCZ16	ROB	2_OF_SmlCopyES	2	1	0.01	0.17
OFFICE1	REFCZ16	ROB	1_OF_SmlCopy	1	1	0.22	0.05
OFFICE1	REFCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	RETCZ16	ROB	1_OF_SmlCopy	1	1	0.3	0.19
OFFICE1	RETCZ16	ROB	2_OF_SmlCopyES	2	1	0.02	0.19
OFFICE1	RSTCZ16	ROB	1_OF_SmlCopy	1	1	0.21	0.22
OFFICE1	RSTCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ16	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	SCHCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.08
OFFICE1	SMOCZ16	ROB	1_OF_SmlCopy	1	1	0.14	0.79
OFFICE1	SMOCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.79
OFFICE1	WRHCZ16	ROB	1_OF_SmlCopy	1	1	0.34	0.06
OFFICE1	WRHCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.06
WATER3	COLCZ16	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ16	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ16	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ16	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ16	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ16	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ16	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ16	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ16	RET	2_WH_CircTimer	1	0.09	0	0.18
WATER3	SCHCZ16	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ16	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ16	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ16	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ16	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ16	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ16	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ16	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ16	ROB	3_WH_Instant	3	1	0	0.27

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	HLTCZ16	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ16	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ16	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ16	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ16	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ16	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ16	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ16	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ16	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ16	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ16	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ16	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ16	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ16	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ16	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ16	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ16	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ16	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ16	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ16	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ16	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ16	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ16	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ16	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ16	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ16	ROB	2_WH_StorageHE	2	1	0	0.28
WATER2	SMOCZ16	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ16	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ16	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ16	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ16	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ16	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ16	NEW	1_WH_GasComm	1	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	GRCCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ16	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ16	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ16	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ16	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ16	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ16	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0

PG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SMOCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0



SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ06	ROB	1_CK_FdStmr	1	1	0.43	0
COOK6	COLCZ06	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ06	ROB	1_CK_FdStmr	1	1	0.04	0.2
COOK6	GRCCZ06	ROB	2_CK_Pressureles	2	1	0	0.2
COOK6	HLTCZ06	ROB	1_CK_FdStmr	1	1	0.07	0.01
COOK6	HLTCZ06	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LDGCZ06	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LDGCZ06	ROB	2_CK_Pressureles	2	1	0	0
COOK6	LGOCZ06	ROB	1_CK_FdStmr	1	1	0.02	0.01
COOK6	LGOCZ06	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	MSCCZ06	ROB	1_CK_FdStmr	1	1	0	0.04
COOK6	MSCCZ06	ROB	2_CK_Pressureles	2	1	0	0.04
COOK6	REFCZ06	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ06	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ06	ROB	1_CK_FdStmr	1	1	0.02	0.02
COOK6	RETCZ06	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	RSTCZ06	ROB	1_CK_FdStmr	1	1	0.07	0.37
COOK6	RSTCZ06	ROB	2_CK_Pressureles	2	1	0	0.37
COOK6	SCHCZ06	ROB	1_CK_FdStmr	1	1	0.08	0.02
COOK6	SCHCZ06	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	SMOCZ06	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ06	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ06	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ06	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ06	ROB	1_CK_HoldCbnt	1	1	0.1	0
COOK5	COLCZ06	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ06	ROB	1_CK_HoldCbnt	1	1	0.15	0.08
COOK5	GRCCZ06	ROB	2_CK_HoldCbntHE	2	1	0	0.08
COOK5	HLTCZ06	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	HLTCZ06	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LDGCZ06	ROB	1_CK_HoldCbnt	1	1	0.08	0
COOK5	LDGCZ06	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LGOCZ06	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ06	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ06	ROB	1_CK_HoldCbnt	1	1	0.01	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ06	ROB	2_CK_HoldCbntHE	2	1	0	0.06
COOK5	REFCZ06	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ06	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ06	ROB	1_CK_HoldCbnt	1	1	0.01	0.01
COOK5	RETCZ06	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	RSTCZ06	ROB	1_CK_HoldCbnt	1	1	0.04	1.17
COOK5	RSTCZ06	ROB	2_CK_HoldCbntHE	2	1	0	1.17
COOK5	SCHCZ06	ROB	1_CK_HoldCbnt	1	1	0.22	0.03
COOK5	SCHCZ06	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	SMOCZ06	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ06	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ06	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ06	ROB	2_CK_HoldCbntHE	2	1	0	0
VEND2	COLCZ06	RET	2_VN_CldDrnkHE	1	0.56	0	0.07
VEND2	GRCCZ06	RET	2_VN_CldDrnkHE	1	0.41	0	0.11
VEND2	HLTCZ06	RET	2_VN_CldDrnkHE	1	0.32	0	0.03
VEND2	LDGCZ06	RET	2_VN_CldDrnkHE	1	0.55	0	0.06
VEND2	LGOCZ06	RET	2_VN_CldDrnkHE	1	0.67	0	0.05
VEND2	MSCCZ06	RET	2_VN_CldDrnkHE	1	0.06	0	0.11
VEND2	REFCZ06	RET	2_VN_CldDrnkHE	1	0.76	0	0.02
VEND2	RETCZ06	RET	2_VN_CldDrnkHE	1	0.53	0	0.06
VEND2	RSTCZ06	RET	2_VN_CldDrnkHE	1	0.1	0	0.46
VEND2	SCHCZ06	RET	2_VN_CldDrnkHE	1	0.56	0	0.03
VEND2	SMOCZ06	RET	2_VN_CldDrnkHE	1	0.05	0	0.61
VEND2	WRHCZ06	RET	2_VN_CldDrnkHE	1	0.64	0	0.02
VEND1	COLCZ06	RET	2_VN_NonRefHE	1	0.29	0	0.01
VEND1	GRCCZ06	RET	2_VN_NonRefHE	1	0.1	0	0.06
VEND1	HLTCZ06	RET	2_VN_NonRefHE	1	0.18	0	0.03
VEND1	LDGCZ06	RET	2_VN_NonRefHE	1	0.17	0	0.05
VEND1	LGOCZ06	RET	2_VN_NonRefHE	1	0.38	0	0.03
VEND1	MSCCZ06	RET	2_VN_NonRefHE	1	0.03	0	0.05
VEND1	REFCZ06	RET	2_VN_NonRefHE	1	0.53	0	0.01
VEND1	RETCZ06	RET	2_VN_NonRefHE	1	0.23	0	0.03
VEND1	RSTCZ06	RET	2_VN_NonRefHE	1	0.1	0	0.16
VEND1	SCHCZ06	RET	2_VN_NonRefHE	1	0.14	0	0.03

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
VEND1	SMOCZ06	RET	2_VN_NonRefHE	1	0.02	0	0.15
VEND1	WRHCZ06	RET	2_VN_NonRefHE	1	0.3	0	0.01
OFFICE1	COLCZ06	ROB	1_OF_SmlCopy	1	1	0.32	0.14
OFFICE1	COLCZ06	ROB	2_OF_SmlCopyES	2	1	0	0.14
OFFICE1	GRCCZ06	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	GRCCZ06	ROB	2_OF_SmlCopyES	2	1	0.04	0.08
OFFICE1	HLTCZ06	ROB	1_OF_SmlCopy	1	1	0.31	0.24
OFFICE1	HLTCZ06	ROB	2_OF_SmlCopyES	2	1	0.01	0.24
OFFICE1	LDGCZ06	ROB	1_OF_SmlCopy	1	1	0.25	0.05
OFFICE1	LDGCZ06	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOZ06	ROB	1_OF_SmlCopy	1	1	0.48	0.19
OFFICE1	LGOZ06	ROB	2_OF_SmlCopyES	2	1	0	0.19
OFFICE1	MSCCZ06	ROB	1_OF_SmlCopy	1	1	0.08	0.09
OFFICE1	MSCCZ06	ROB	2_OF_SmlCopyES	2	1	0	0.09
OFFICE1	REFCZ06	ROB	1_OF_SmlCopy	1	1	0.21	0.03
OFFICE1	REFCZ06	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	RETCZ06	ROB	1_OF_SmlCopy	1	1	0.34	0.14
OFFICE1	RETCZ06	ROB	2_OF_SmlCopyES	2	1	0.01	0.14
OFFICE1	RSTCZ06	ROB	1_OF_SmlCopy	1	1	0.14	0.22
OFFICE1	RSTCZ06	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ06	ROB	1_OF_SmlCopy	1	1	0.52	0.06
OFFICE1	SCHCZ06	ROB	2_OF_SmlCopyES	2	1	0	0.06
OFFICE1	SMOCZ06	ROB	1_OF_SmlCopy	1	1	0.44	0.73
OFFICE1	SMOCZ06	ROB	2_OF_SmlCopyES	2	1	0.02	0.73
OFFICE1	WRHCZ06	ROB	1_OF_SmlCopy	1	1	0.58	0.06
OFFICE1	WRHCZ06	ROB	2_OF_SmlCopyES	2	1	0.02	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ08	ROB	1_CK_FdStmr	1	1	0.43	0
COOK6	COLCZ08	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ08	ROB	1_CK_FdStmr	1	1	0.04	0.2
COOK6	GRCCZ08	ROB	2_CK_Pressureles	2	1	0	0.2
COOK6	HLTCZ08	ROB	1_CK_FdStmr	1	1	0.07	0.01
COOK6	HLTCZ08	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LDGCZ08	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LDGCZ08	ROB	2_CK_Pressureles	2	1	0	0
COOK6	LGOCZ08	ROB	1_CK_FdStmr	1	1	0.02	0.01
COOK6	LGOCZ08	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	MSCCZ08	ROB	1_CK_FdStmr	1	1	0	0.04
COOK6	MSCCZ08	ROB	2_CK_Pressureles	2	1	0	0.04
COOK6	REFCZ08	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ08	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ08	ROB	1_CK_FdStmr	1	1	0.02	0.02
COOK6	RETCZ08	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	RSTCZ08	ROB	1_CK_FdStmr	1	1	0.07	0.37
COOK6	RSTCZ08	ROB	2_CK_Pressureles	2	1	0	0.37
COOK6	SCHCZ08	ROB	1_CK_FdStmr	1	1	0.08	0.02
COOK6	SCHCZ08	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	SMOCZ08	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ08	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ08	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ08	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ08	ROB	1_CK_HoldCbnt	1	1	0.1	0
COOK5	COLCZ08	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ08	ROB	1_CK_HoldCbnt	1	1	0.15	0.08
COOK5	GRCCZ08	ROB	2_CK_HoldCbntHE	2	1	0	0.08
COOK5	HLTCZ08	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	HLTCZ08	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LDGCZ08	ROB	1_CK_HoldCbnt	1	1	0.08	0
COOK5	LDGCZ08	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LGOCZ08	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ08	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ08	ROB	1_CK_HoldCbnt	1	1	0.01	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ08	ROB	2_CK_HoldCbntHE	2	1	0	0.06
COOK5	REFCZ08	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ08	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ08	ROB	1_CK_HoldCbnt	1	1	0.01	0.01
COOK5	RETCZ08	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	RSTCZ08	ROB	1_CK_HoldCbnt	1	1	0.04	1.17
COOK5	RSTCZ08	ROB	2_CK_HoldCbntHE	2	1	0	1.17
COOK5	SCHCZ08	ROB	1_CK_HoldCbnt	1	1	0.22	0.03
COOK5	SCHCZ08	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	SMOCZ08	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ08	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ08	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ08	ROB	2_CK_HoldCbntHE	2	1	0	0
VEND2	COLCZ08	RET	2_VN_CldDrnkHE	1	0.56	0	0.07
VEND2	GRCCZ08	RET	2_VN_CldDrnkHE	1	0.41	0	0.11
VEND2	HLTCZ08	RET	2_VN_CldDrnkHE	1	0.32	0	0.03
VEND2	LDGCZ08	RET	2_VN_CldDrnkHE	1	0.55	0	0.06
VEND2	LGOCZ08	RET	2_VN_CldDrnkHE	1	0.67	0	0.05
VEND2	MSCCZ08	RET	2_VN_CldDrnkHE	1	0.06	0	0.11
VEND2	REFCZ08	RET	2_VN_CldDrnkHE	1	0.76	0	0.02
VEND2	RETCZ08	RET	2_VN_CldDrnkHE	1	0.53	0	0.06
VEND2	RSTCZ08	RET	2_VN_CldDrnkHE	1	0.1	0	0.46
VEND2	SCHCZ08	RET	2_VN_CldDrnkHE	1	0.56	0	0.03
VEND2	SMOCZ08	RET	2_VN_CldDrnkHE	1	0.05	0	0.61
VEND2	WRHCZ08	RET	2_VN_CldDrnkHE	1	0.64	0	0.02
VEND1	COLCZ08	RET	2_VN_NonRefHE	1	0.29	0	0.01
VEND1	GRCCZ08	RET	2_VN_NonRefHE	1	0.1	0	0.06
VEND1	HLTCZ08	RET	2_VN_NonRefHE	1	0.18	0	0.03
VEND1	LDGCZ08	RET	2_VN_NonRefHE	1	0.17	0	0.05
VEND1	LGOCZ08	RET	2_VN_NonRefHE	1	0.38	0	0.03
VEND1	MSCCZ08	RET	2_VN_NonRefHE	1	0.03	0	0.05
VEND1	REFCZ08	RET	2_VN_NonRefHE	1	0.53	0	0.01
VEND1	RETCZ08	RET	2_VN_NonRefHE	1	0.23	0	0.03
VEND1	RSTCZ08	RET	2_VN_NonRefHE	1	0.1	0	0.16
VEND1	SCHCZ08	RET	2_VN_NonRefHE	1	0.14	0	0.03

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
VEND1	SMOCZ08	RET	2_VN_NonRefHE	1	0.02	0	0.15
VEND1	WRHCZ08	RET	2_VN_NonRefHE	1	0.3	0	0.01
OFFICE1	COLCZ08	ROB	1_OF_SmlCopy	1	1	0.32	0.14
OFFICE1	COLCZ08	ROB	2_OF_SmlCopyES	2	1	0	0.14
OFFICE1	GRCCZ08	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	GRCCZ08	ROB	2_OF_SmlCopyES	2	1	0.04	0.08
OFFICE1	HLTCZ08	ROB	1_OF_SmlCopy	1	1	0.31	0.24
OFFICE1	HLTCZ08	ROB	2_OF_SmlCopyES	2	1	0.01	0.24
OFFICE1	LDGCZ08	ROB	1_OF_SmlCopy	1	1	0.25	0.05
OFFICE1	LDGCZ08	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOZ08	ROB	1_OF_SmlCopy	1	1	0.48	0.19
OFFICE1	LGOZ08	ROB	2_OF_SmlCopyES	2	1	0	0.19
OFFICE1	MSCCZ08	ROB	1_OF_SmlCopy	1	1	0.08	0.09
OFFICE1	MSCCZ08	ROB	2_OF_SmlCopyES	2	1	0	0.09
OFFICE1	REFCZ08	ROB	1_OF_SmlCopy	1	1	0.21	0.03
OFFICE1	REFCZ08	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	RETCZ08	ROB	1_OF_SmlCopy	1	1	0.34	0.14
OFFICE1	RETCZ08	ROB	2_OF_SmlCopyES	2	1	0.01	0.14
OFFICE1	RSTCZ08	ROB	1_OF_SmlCopy	1	1	0.14	0.22
OFFICE1	RSTCZ08	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ08	ROB	1_OF_SmlCopy	1	1	0.52	0.06
OFFICE1	SCHCZ08	ROB	2_OF_SmlCopyES	2	1	0	0.06
OFFICE1	SMOCZ08	ROB	1_OF_SmlCopy	1	1	0.44	0.73
OFFICE1	SMOCZ08	ROB	2_OF_SmlCopyES	2	1	0.02	0.73
OFFICE1	WRHCZ08	ROB	1_OF_SmlCopy	1	1	0.58	0.06
OFFICE1	WRHCZ08	ROB	2_OF_SmlCopyES	2	1	0.02	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ09	ROB	1_CK_FdStmr	1	1	0.43	0
COOK6	COLCZ09	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ09	ROB	1_CK_FdStmr	1	1	0.04	0.2
COOK6	GRCCZ09	ROB	2_CK_Pressureles	2	1	0	0.2
COOK6	HLTCZ09	ROB	1_CK_FdStmr	1	1	0.07	0.01
COOK6	HLTCZ09	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LDGCZ09	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LDGCZ09	ROB	2_CK_Pressureles	2	1	0	0
COOK6	LGOCZ09	ROB	1_CK_FdStmr	1	1	0.02	0.01
COOK6	LGOCZ09	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	MSCCZ09	ROB	1_CK_FdStmr	1	1	0	0.04
COOK6	MSCCZ09	ROB	2_CK_Pressureles	2	1	0	0.04
COOK6	REFCZ09	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ09	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ09	ROB	1_CK_FdStmr	1	1	0.02	0.02
COOK6	RETCZ09	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	RSTCZ09	ROB	1_CK_FdStmr	1	1	0.07	0.37
COOK6	RSTCZ09	ROB	2_CK_Pressureles	2	1	0	0.37
COOK6	SCHCZ09	ROB	1_CK_FdStmr	1	1	0.08	0.02
COOK6	SCHCZ09	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	SMOCZ09	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ09	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ09	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ09	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ09	ROB	1_CK_HoldCbnt	1	1	0.1	0
COOK5	COLCZ09	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ09	ROB	1_CK_HoldCbnt	1	1	0.15	0.08
COOK5	GRCCZ09	ROB	2_CK_HoldCbntHE	2	1	0	0.08
COOK5	HLTCZ09	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	HLTCZ09	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LDGCZ09	ROB	1_CK_HoldCbnt	1	1	0.08	0
COOK5	LDGCZ09	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LGOCZ09	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ09	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ09	ROB	1_CK_HoldCbnt	1	1	0.01	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ09	ROB	2_CK_HoldCbntHE	2	1	0	0.06
COOK5	REFCZ09	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ09	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ09	ROB	1_CK_HoldCbnt	1	1	0.01	0.01
COOK5	RETCZ09	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	RSTCZ09	ROB	1_CK_HoldCbnt	1	1	0.04	1.17
COOK5	RSTCZ09	ROB	2_CK_HoldCbntHE	2	1	0	1.17
COOK5	SCHCZ09	ROB	1_CK_HoldCbnt	1	1	0.22	0.03
COOK5	SCHCZ09	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	SMOCZ09	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ09	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ09	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ09	ROB	2_CK_HoldCbntHE	2	1	0	0
VEND2	COLCZ09	RET	2_VN_CldDrnkHE	1	0.56	0	0.07
VEND2	GRCCZ09	RET	2_VN_CldDrnkHE	1	0.41	0	0.11
VEND2	HLTCZ09	RET	2_VN_CldDrnkHE	1	0.32	0	0.03
VEND2	LDGCZ09	RET	2_VN_CldDrnkHE	1	0.55	0	0.06
VEND2	LGOCZ09	RET	2_VN_CldDrnkHE	1	0.67	0	0.05
VEND2	MSCCZ09	RET	2_VN_CldDrnkHE	1	0.06	0	0.11
VEND2	REFCZ09	RET	2_VN_CldDrnkHE	1	0.76	0	0.02
VEND2	RETCZ09	RET	2_VN_CldDrnkHE	1	0.53	0	0.06
VEND2	RSTCZ09	RET	2_VN_CldDrnkHE	1	0.1	0	0.46
VEND2	SCHCZ09	RET	2_VN_CldDrnkHE	1	0.56	0	0.03
VEND2	SMOCZ09	RET	2_VN_CldDrnkHE	1	0.05	0	0.61
VEND2	WRHCZ09	RET	2_VN_CldDrnkHE	1	0.64	0	0.02
VEND1	COLCZ09	RET	2_VN_NonRefHE	1	0.29	0	0.01
VEND1	GRCCZ09	RET	2_VN_NonRefHE	1	0.1	0	0.06
VEND1	HLTCZ09	RET	2_VN_NonRefHE	1	0.18	0	0.03
VEND1	LDGCZ09	RET	2_VN_NonRefHE	1	0.17	0	0.05
VEND1	LGOCZ09	RET	2_VN_NonRefHE	1	0.38	0	0.03
VEND1	MSCCZ09	RET	2_VN_NonRefHE	1	0.03	0	0.05
VEND1	REFCZ09	RET	2_VN_NonRefHE	1	0.53	0	0.01
VEND1	RETCZ09	RET	2_VN_NonRefHE	1	0.23	0	0.03
VEND1	RSTCZ09	RET	2_VN_NonRefHE	1	0.1	0	0.16
VEND1	SCHCZ09	RET	2_VN_NonRefHE	1	0.14	0	0.03



SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
VEND1	SMOCZ09	RET	2_VN_NonRefHE	1	0.02	0	0.15
VEND1	WRHCZ09	RET	2_VN_NonRefHE	1	0.3	0	0.01
OFFICE1	COLCZ09	ROB	1_OF_SmlCopy	1	1	0.32	0.14
OFFICE1	COLCZ09	ROB	2_OF_SmlCopyES	2	1	0	0.14
OFFICE1	GRCCZ09	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	GRCCZ09	ROB	2_OF_SmlCopyES	2	1	0.04	0.08
OFFICE1	HLTCZ09	ROB	1_OF_SmlCopy	1	1	0.31	0.24
OFFICE1	HLTCZ09	ROB	2_OF_SmlCopyES	2	1	0.01	0.24
OFFICE1	LDGCZ09	ROB	1_OF_SmlCopy	1	1	0.25	0.05
OFFICE1	LDGCZ09	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOZ09	ROB	1_OF_SmlCopy	1	1	0.48	0.19
OFFICE1	LGOZ09	ROB	2_OF_SmlCopyES	2	1	0	0.19
OFFICE1	MSCCZ09	ROB	1_OF_SmlCopy	1	1	0.08	0.09
OFFICE1	MSCCZ09	ROB	2_OF_SmlCopyES	2	1	0	0.09
OFFICE1	REFCZ09	ROB	1_OF_SmlCopy	1	1	0.21	0.03
OFFICE1	REFCZ09	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	RETCZ09	ROB	1_OF_SmlCopy	1	1	0.34	0.14
OFFICE1	RETCZ09	ROB	2_OF_SmlCopyES	2	1	0.01	0.14
OFFICE1	RSTCZ09	ROB	1_OF_SmlCopy	1	1	0.14	0.22
OFFICE1	RSTCZ09	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ09	ROB	1_OF_SmlCopy	1	1	0.52	0.06
OFFICE1	SCHCZ09	ROB	2_OF_SmlCopyES	2	1	0	0.06
OFFICE1	SMOCZ09	ROB	1_OF_SmlCopy	1	1	0.44	0.73
OFFICE1	SMOCZ09	ROB	2_OF_SmlCopyES	2	1	0.02	0.73
OFFICE1	WRHCZ09	ROB	1_OF_SmlCopy	1	1	0.58	0.06
OFFICE1	WRHCZ09	ROB	2_OF_SmlCopyES	2	1	0.02	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ10	ROB	1_CK_FdStmr	1	1	0.43	0
COOK6	COLCZ10	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ10	ROB	1_CK_FdStmr	1	1	0.04	0.2
COOK6	GRCCZ10	ROB	2_CK_Pressureles	2	1	0	0.2
COOK6	HLTCZ10	ROB	1_CK_FdStmr	1	1	0.07	0.01
COOK6	HLTCZ10	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LDGCZ10	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LDGCZ10	ROB	2_CK_Pressureles	2	1	0	0
COOK6	LGOCZ10	ROB	1_CK_FdStmr	1	1	0.02	0.01
COOK6	LGOCZ10	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	MSCCZ10	ROB	1_CK_FdStmr	1	1	0	0.04
COOK6	MSCCZ10	ROB	2_CK_Pressureles	2	1	0	0.04
COOK6	REFCZ10	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ10	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ10	ROB	1_CK_FdStmr	1	1	0.02	0.02
COOK6	RETCZ10	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	RSTCZ10	ROB	1_CK_FdStmr	1	1	0.07	0.37
COOK6	RSTCZ10	ROB	2_CK_Pressureles	2	1	0	0.37
COOK6	SCHCZ10	ROB	1_CK_FdStmr	1	1	0.08	0.02
COOK6	SCHCZ10	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	SMOCZ10	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ10	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ10	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ10	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ10	ROB	1_CK_HoldCbnt	1	1	0.1	0
COOK5	COLCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ10	ROB	1_CK_HoldCbnt	1	1	0.15	0.08
COOK5	GRCCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0.08
COOK5	HLTCZ10	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	HLTCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LDGCZ10	ROB	1_CK_HoldCbnt	1	1	0.08	0
COOK5	LDGCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LGOCZ10	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ10	ROB	1_CK_HoldCbnt	1	1	0.01	0.06

SCE Commercial Miscellaneous  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0.06
COOK5	REFCZ10	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ10	ROB	1_CK_HoldCbnt	1	1	0.01	0.01
COOK5	RETCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	RSTCZ10	ROB	1_CK_HoldCbnt	1	1	0.04	1.17
COOK5	RSTCZ10	ROB	2_CK_HoldCbntHE	2	1	0	1.17
COOK5	SCHCZ10	ROB	1_CK_HoldCbnt	1	1	0.22	0.03
COOK5	SCHCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	SMOCZ10	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ10	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
VEND2	COLCZ10	RET	2_VN_CldDrnkHE	1	0.56	0	0.07
VEND2	GRCCZ10	RET	2_VN_CldDrnkHE	1	0.41	0	0.11
VEND2	HLTCZ10	RET	2_VN_CldDrnkHE	1	0.32	0	0.03
VEND2	LDGCZ10	RET	2_VN_CldDrnkHE	1	0.55	0	0.06
VEND2	LGOCZ10	RET	2_VN_CldDrnkHE	1	0.67	0	0.05
VEND2	MSCCZ10	RET	2_VN_CldDrnkHE	1	0.06	0	0.11
VEND2	REFCZ10	RET	2_VN_CldDrnkHE	1	0.76	0	0.02
VEND2	RETCZ10	RET	2_VN_CldDrnkHE	1	0.53	0	0.06
VEND2	RSTCZ10	RET	2_VN_CldDrnkHE	1	0.1	0	0.46
VEND2	SCHCZ10	RET	2_VN_CldDrnkHE	1	0.56	0	0.03
VEND2	SMOCZ10	RET	2_VN_CldDrnkHE	1	0.05	0	0.61
VEND2	WRHCZ10	RET	2_VN_CldDrnkHE	1	0.64	0	0.02
VEND1	COLCZ10	RET	2_VN_NonRefHE	1	0.29	0	0.01
VEND1	GRCCZ10	RET	2_VN_NonRefHE	1	0.1	0	0.06
VEND1	HLTCZ10	RET	2_VN_NonRefHE	1	0.18	0	0.03
VEND1	LDGCZ10	RET	2_VN_NonRefHE	1	0.17	0	0.05
VEND1	LGOCZ10	RET	2_VN_NonRefHE	1	0.38	0	0.03
VEND1	MSCCZ10	RET	2_VN_NonRefHE	1	0.03	0	0.05
VEND1	REFCZ10	RET	2_VN_NonRefHE	1	0.53	0	0.01
VEND1	RETCZ10	RET	2_VN_NonRefHE	1	0.23	0	0.03
VEND1	RSTCZ10	RET	2_VN_NonRefHE	1	0.1	0	0.16
VEND1	SCHCZ10	RET	2_VN_NonRefHE	1	0.14	0	0.03

SCE Commercial Miscellaneous  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
VEND1	SMOCZ10	RET	2_VN_NonRefHE	1	0.02	0	0.15
VEND1	WRHCZ10	RET	2_VN_NonRefHE	1	0.3	0	0.01
OFFICE1	COLCZ10	ROB	1_OF_SmlCopy	1	1	0.32	0.14
OFFICE1	COLCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.14
OFFICE1	GRCCZ10	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	GRCCZ10	ROB	2_OF_SmlCopyES	2	1	0.04	0.08
OFFICE1	HLTCZ10	ROB	1_OF_SmlCopy	1	1	0.31	0.24
OFFICE1	HLTCZ10	ROB	2_OF_SmlCopyES	2	1	0.01	0.24
OFFICE1	LDGCZ10	ROB	1_OF_SmlCopy	1	1	0.25	0.05
OFFICE1	LDGCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOZ10	ROB	1_OF_SmlCopy	1	1	0.48	0.19
OFFICE1	LGOZ10	ROB	2_OF_SmlCopyES	2	1	0	0.19
OFFICE1	MSCCZ10	ROB	1_OF_SmlCopy	1	1	0.08	0.09
OFFICE1	MSCCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.09
OFFICE1	REFCZ10	ROB	1_OF_SmlCopy	1	1	0.21	0.03
OFFICE1	REFCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	RETCZ10	ROB	1_OF_SmlCopy	1	1	0.34	0.14
OFFICE1	RETCZ10	ROB	2_OF_SmlCopyES	2	1	0.01	0.14
OFFICE1	RSTCZ10	ROB	1_OF_SmlCopy	1	1	0.14	0.22
OFFICE1	RSTCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ10	ROB	1_OF_SmlCopy	1	1	0.52	0.06
OFFICE1	SCHCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.06
OFFICE1	SMOCZ10	ROB	1_OF_SmlCopy	1	1	0.44	0.73
OFFICE1	SMOCZ10	ROB	2_OF_SmlCopyES	2	1	0.02	0.73
OFFICE1	WRHCZ10	ROB	1_OF_SmlCopy	1	1	0.58	0.06
OFFICE1	WRHCZ10	ROB	2_OF_SmlCopyES	2	1	0.02	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ13	ROB	1_CK_FdStmr	1	1	0.43	0
COOK6	COLCZ13	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ13	ROB	1_CK_FdStmr	1	1	0.04	0.2
COOK6	GRCCZ13	ROB	2_CK_Pressureles	2	1	0	0.2
COOK6	HLTCZ13	ROB	1_CK_FdStmr	1	1	0.07	0.01
COOK6	HLTCZ13	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LDGCZ13	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LDGCZ13	ROB	2_CK_Pressureles	2	1	0	0
COOK6	LGOCZ13	ROB	1_CK_FdStmr	1	1	0.02	0.01
COOK6	LGOCZ13	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	MSCCZ13	ROB	1_CK_FdStmr	1	1	0	0.04
COOK6	MSCCZ13	ROB	2_CK_Pressureles	2	1	0	0.04
COOK6	REFCZ13	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ13	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ13	ROB	1_CK_FdStmr	1	1	0.02	0.02
COOK6	RETCZ13	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	RSTCZ13	ROB	1_CK_FdStmr	1	1	0.07	0.37
COOK6	RSTCZ13	ROB	2_CK_Pressureles	2	1	0	0.37
COOK6	SCHCZ13	ROB	1_CK_FdStmr	1	1	0.08	0.02
COOK6	SCHCZ13	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	SMOCZ13	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ13	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ13	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ13	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ13	ROB	1_CK_HoldCbnt	1	1	0.1	0
COOK5	COLCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ13	ROB	1_CK_HoldCbnt	1	1	0.15	0.08
COOK5	GRCCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0.08
COOK5	HLTCZ13	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	HLTCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LDGCZ13	ROB	1_CK_HoldCbnt	1	1	0.08	0
COOK5	LDGCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LGOCZ13	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ13	ROB	1_CK_HoldCbnt	1	1	0.01	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0.06
COOK5	REFCZ13	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ13	ROB	1_CK_HoldCbnt	1	1	0.01	0.01
COOK5	RETCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	RSTCZ13	ROB	1_CK_HoldCbnt	1	1	0.04	1.17
COOK5	RSTCZ13	ROB	2_CK_HoldCbntHE	2	1	0	1.17
COOK5	SCHCZ13	ROB	1_CK_HoldCbnt	1	1	0.22	0.03
COOK5	SCHCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	SMOCZ13	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ13	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ13	ROB	2_CK_HoldCbntHE	2	1	0	0
VEND2	COLCZ13	RET	2_VN_CldDrnkHE	1	0.56	0	0.07
VEND2	GRCCZ13	RET	2_VN_CldDrnkHE	1	0.41	0	0.11
VEND2	HLTCZ13	RET	2_VN_CldDrnkHE	1	0.32	0	0.03
VEND2	LDGCZ13	RET	2_VN_CldDrnkHE	1	0.55	0	0.06
VEND2	LGOCZ13	RET	2_VN_CldDrnkHE	1	0.67	0	0.05
VEND2	MSCCZ13	RET	2_VN_CldDrnkHE	1	0.06	0	0.11
VEND2	REFCZ13	RET	2_VN_CldDrnkHE	1	0.76	0	0.02
VEND2	RETCZ13	RET	2_VN_CldDrnkHE	1	0.53	0	0.06
VEND2	RSTCZ13	RET	2_VN_CldDrnkHE	1	0.1	0	0.46
VEND2	SCHCZ13	RET	2_VN_CldDrnkHE	1	0.56	0	0.03
VEND2	SMOCZ13	RET	2_VN_CldDrnkHE	1	0.05	0	0.61
VEND2	WRHCZ13	RET	2_VN_CldDrnkHE	1	0.64	0	0.02
VEND1	COLCZ13	RET	2_VN_NonRefHE	1	0.29	0	0.01
VEND1	GRCCZ13	RET	2_VN_NonRefHE	1	0.1	0	0.06
VEND1	HLTCZ13	RET	2_VN_NonRefHE	1	0.18	0	0.03
VEND1	LDGCZ13	RET	2_VN_NonRefHE	1	0.17	0	0.05
VEND1	LGOCZ13	RET	2_VN_NonRefHE	1	0.38	0	0.03
VEND1	MSCCZ13	RET	2_VN_NonRefHE	1	0.03	0	0.05
VEND1	REFCZ13	RET	2_VN_NonRefHE	1	0.53	0	0.01
VEND1	RETCZ13	RET	2_VN_NonRefHE	1	0.23	0	0.03
VEND1	RSTCZ13	RET	2_VN_NonRefHE	1	0.1	0	0.16
VEND1	SCHCZ13	RET	2_VN_NonRefHE	1	0.14	0	0.03

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
VEND1	SMOCZ13	RET	2_VN_NonRefHE	1	0.02	0	0.15
VEND1	WRHCZ13	RET	2_VN_NonRefHE	1	0.3	0	0.01
OFFICE1	COLCZ13	ROB	1_OF_SmlCopy	1	1	0.32	0.14
OFFICE1	COLCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.14
OFFICE1	GRCCZ13	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	GRCCZ13	ROB	2_OF_SmlCopyES	2	1	0.04	0.08
OFFICE1	HLTCZ13	ROB	1_OF_SmlCopy	1	1	0.31	0.24
OFFICE1	HLTCZ13	ROB	2_OF_SmlCopyES	2	1	0.01	0.24
OFFICE1	LDGCZ13	ROB	1_OF_SmlCopy	1	1	0.25	0.05
OFFICE1	LDGCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOZ13	ROB	1_OF_SmlCopy	1	1	0.48	0.19
OFFICE1	LGOZ13	ROB	2_OF_SmlCopyES	2	1	0	0.19
OFFICE1	MSCCZ13	ROB	1_OF_SmlCopy	1	1	0.08	0.09
OFFICE1	MSCCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.09
OFFICE1	REFCZ13	ROB	1_OF_SmlCopy	1	1	0.21	0.03
OFFICE1	REFCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	RETCZ13	ROB	1_OF_SmlCopy	1	1	0.34	0.14
OFFICE1	RETCZ13	ROB	2_OF_SmlCopyES	2	1	0.01	0.14
OFFICE1	RSTCZ13	ROB	1_OF_SmlCopy	1	1	0.14	0.22
OFFICE1	RSTCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ13	ROB	1_OF_SmlCopy	1	1	0.52	0.06
OFFICE1	SCHCZ13	ROB	2_OF_SmlCopyES	2	1	0	0.06
OFFICE1	SMOCZ13	ROB	1_OF_SmlCopy	1	1	0.44	0.73
OFFICE1	SMOCZ13	ROB	2_OF_SmlCopyES	2	1	0.02	0.73
OFFICE1	WRHCZ13	ROB	1_OF_SmlCopy	1	1	0.58	0.06
OFFICE1	WRHCZ13	ROB	2_OF_SmlCopyES	2	1	0.02	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ14	ROB	1_CK_FdStmr	1	1	0.43	0
COOK6	COLCZ14	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ14	ROB	1_CK_FdStmr	1	1	0.04	0.2
COOK6	GRCCZ14	ROB	2_CK_Pressureles	2	1	0	0.2
COOK6	HLTCZ14	ROB	1_CK_FdStmr	1	1	0.07	0.01
COOK6	HLTCZ14	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LDGCZ14	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LDGCZ14	ROB	2_CK_Pressureles	2	1	0	0
COOK6	LGOCZ14	ROB	1_CK_FdStmr	1	1	0.02	0.01
COOK6	LGOCZ14	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	MSCCZ14	ROB	1_CK_FdStmr	1	1	0	0.04
COOK6	MSCCZ14	ROB	2_CK_Pressureles	2	1	0	0.04
COOK6	REFCZ14	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ14	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ14	ROB	1_CK_FdStmr	1	1	0.02	0.02
COOK6	RETCZ14	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	RSTCZ14	ROB	1_CK_FdStmr	1	1	0.07	0.37
COOK6	RSTCZ14	ROB	2_CK_Pressureles	2	1	0	0.37
COOK6	SCHCZ14	ROB	1_CK_FdStmr	1	1	0.08	0.02
COOK6	SCHCZ14	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	SMOCZ14	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ14	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ14	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ14	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ14	ROB	1_CK_HoldCbnt	1	1	0.1	0
COOK5	COLCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ14	ROB	1_CK_HoldCbnt	1	1	0.15	0.08
COOK5	GRCCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0.08
COOK5	HLTCZ14	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	HLTCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LDGCZ14	ROB	1_CK_HoldCbnt	1	1	0.08	0
COOK5	LDGCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LGOCZ14	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ14	ROB	1_CK_HoldCbnt	1	1	0.01	0.06



SCE Commercial Miscellaneous  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0.06
COOK5	REFCZ14	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ14	ROB	1_CK_HoldCbnt	1	1	0.01	0.01
COOK5	RETCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	RSTCZ14	ROB	1_CK_HoldCbnt	1	1	0.04	1.17
COOK5	RSTCZ14	ROB	2_CK_HoldCbntHE	2	1	0	1.17
COOK5	SCHCZ14	ROB	1_CK_HoldCbnt	1	1	0.22	0.03
COOK5	SCHCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	SMOCZ14	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ14	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
VEND2	COLCZ14	RET	2_VN_CldDrnkHE	1	0.56	0	0.07
VEND2	GRCCZ14	RET	2_VN_CldDrnkHE	1	0.41	0	0.11
VEND2	HLTCZ14	RET	2_VN_CldDrnkHE	1	0.32	0	0.03
VEND2	LDGCZ14	RET	2_VN_CldDrnkHE	1	0.55	0	0.06
VEND2	LGOCZ14	RET	2_VN_CldDrnkHE	1	0.67	0	0.05
VEND2	MSCCZ14	RET	2_VN_CldDrnkHE	1	0.06	0	0.11
VEND2	REFCZ14	RET	2_VN_CldDrnkHE	1	0.76	0	0.02
VEND2	RETCZ14	RET	2_VN_CldDrnkHE	1	0.53	0	0.06
VEND2	RSTCZ14	RET	2_VN_CldDrnkHE	1	0.1	0	0.46
VEND2	SCHCZ14	RET	2_VN_CldDrnkHE	1	0.56	0	0.03
VEND2	SMOCZ14	RET	2_VN_CldDrnkHE	1	0.05	0	0.61
VEND2	WRHCZ14	RET	2_VN_CldDrnkHE	1	0.64	0	0.02
VEND1	COLCZ14	RET	2_VN_NonRefHE	1	0.29	0	0.01
VEND1	GRCCZ14	RET	2_VN_NonRefHE	1	0.1	0	0.06
VEND1	HLTCZ14	RET	2_VN_NonRefHE	1	0.18	0	0.03
VEND1	LDGCZ14	RET	2_VN_NonRefHE	1	0.17	0	0.05
VEND1	LGOCZ14	RET	2_VN_NonRefHE	1	0.38	0	0.03
VEND1	MSCCZ14	RET	2_VN_NonRefHE	1	0.03	0	0.05
VEND1	REFCZ14	RET	2_VN_NonRefHE	1	0.53	0	0.01
VEND1	RETCZ14	RET	2_VN_NonRefHE	1	0.23	0	0.03
VEND1	RSTCZ14	RET	2_VN_NonRefHE	1	0.1	0	0.16
VEND1	SCHCZ14	RET	2_VN_NonRefHE	1	0.14	0	0.03

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
VEND1	SMOCZ14	RET	2_VN_NonRefHE	1	0.02	0	0.15
VEND1	WRHCZ14	RET	2_VN_NonRefHE	1	0.3	0	0.01
OFFICE1	COLCZ14	ROB	1_OF_SmlCopy	1	1	0.32	0.14
OFFICE1	COLCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.14
OFFICE1	GRCCZ14	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	GRCCZ14	ROB	2_OF_SmlCopyES	2	1	0.04	0.08
OFFICE1	HLTCZ14	ROB	1_OF_SmlCopy	1	1	0.31	0.24
OFFICE1	HLTCZ14	ROB	2_OF_SmlCopyES	2	1	0.01	0.24
OFFICE1	LDGCZ14	ROB	1_OF_SmlCopy	1	1	0.25	0.05
OFFICE1	LDGCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOZ14	ROB	1_OF_SmlCopy	1	1	0.48	0.19
OFFICE1	LGOZ14	ROB	2_OF_SmlCopyES	2	1	0	0.19
OFFICE1	MSCCZ14	ROB	1_OF_SmlCopy	1	1	0.08	0.09
OFFICE1	MSCCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.09
OFFICE1	REFCZ14	ROB	1_OF_SmlCopy	1	1	0.21	0.03
OFFICE1	REFCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	RETCZ14	ROB	1_OF_SmlCopy	1	1	0.34	0.14
OFFICE1	RETCZ14	ROB	2_OF_SmlCopyES	2	1	0.01	0.14
OFFICE1	RSTCZ14	ROB	1_OF_SmlCopy	1	1	0.14	0.22
OFFICE1	RSTCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ14	ROB	1_OF_SmlCopy	1	1	0.52	0.06
OFFICE1	SCHCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.06
OFFICE1	SMOCZ14	ROB	1_OF_SmlCopy	1	1	0.44	0.73
OFFICE1	SMOCZ14	ROB	2_OF_SmlCopyES	2	1	0.02	0.73
OFFICE1	WRHCZ14	ROB	1_OF_SmlCopy	1	1	0.58	0.06
OFFICE1	WRHCZ14	ROB	2_OF_SmlCopyES	2	1	0.02	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ15	ROB	1_CK_FdStmr	1	1	0.43	0
COOK6	COLCZ15	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ15	ROB	1_CK_FdStmr	1	1	0.04	0.2
COOK6	GRCCZ15	ROB	2_CK_Pressureles	2	1	0	0.2
COOK6	HLTCZ15	ROB	1_CK_FdStmr	1	1	0.07	0.01
COOK6	HLTCZ15	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LDGCZ15	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LDGCZ15	ROB	2_CK_Pressureles	2	1	0	0
COOK6	LGOCZ15	ROB	1_CK_FdStmr	1	1	0.02	0.01
COOK6	LGOCZ15	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	MSCCZ15	ROB	1_CK_FdStmr	1	1	0	0.04
COOK6	MSCCZ15	ROB	2_CK_Pressureles	2	1	0	0.04
COOK6	REFCZ15	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ15	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ15	ROB	1_CK_FdStmr	1	1	0.02	0.02
COOK6	RETCZ15	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	RSTCZ15	ROB	1_CK_FdStmr	1	1	0.07	0.37
COOK6	RSTCZ15	ROB	2_CK_Pressureles	2	1	0	0.37
COOK6	SCHCZ15	ROB	1_CK_FdStmr	1	1	0.08	0.02
COOK6	SCHCZ15	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	SMOCZ15	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ15	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ15	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ15	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ15	ROB	1_CK_HoldCbnt	1	1	0.1	0
COOK5	COLCZ15	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ15	ROB	1_CK_HoldCbnt	1	1	0.15	0.08
COOK5	GRCCZ15	ROB	2_CK_HoldCbntHE	2	1	0	0.08
COOK5	HLTCZ15	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	HLTCZ15	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LDGCZ15	ROB	1_CK_HoldCbnt	1	1	0.08	0
COOK5	LDGCZ15	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LGOCZ15	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ15	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ15	ROB	1_CK_HoldCbnt	1	1	0.01	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ15	ROB	2_CK_HoldCbntHE	2	1	0	0.06
COOK5	REFCZ15	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ15	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ15	ROB	1_CK_HoldCbnt	1	1	0.01	0.01
COOK5	RETCZ15	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	RSTCZ15	ROB	1_CK_HoldCbnt	1	1	0.04	1.17
COOK5	RSTCZ15	ROB	2_CK_HoldCbntHE	2	1	0	1.17
COOK5	SCHCZ15	ROB	1_CK_HoldCbnt	1	1	0.22	0.03
COOK5	SCHCZ15	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	SMOCZ15	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ15	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ15	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ15	ROB	2_CK_HoldCbntHE	2	1	0	0
VEND2	COLCZ15	RET	2_VN_CldDrnkHE	1	0.56	0	0.07
VEND2	GRCCZ15	RET	2_VN_CldDrnkHE	1	0.41	0	0.11
VEND2	HLTCZ15	RET	2_VN_CldDrnkHE	1	0.32	0	0.03
VEND2	LDGCZ15	RET	2_VN_CldDrnkHE	1	0.55	0	0.06
VEND2	LGOCZ15	RET	2_VN_CldDrnkHE	1	0.67	0	0.05
VEND2	MSCCZ15	RET	2_VN_CldDrnkHE	1	0.06	0	0.11
VEND2	REFCZ15	RET	2_VN_CldDrnkHE	1	0.76	0	0.02
VEND2	RETCZ15	RET	2_VN_CldDrnkHE	1	0.53	0	0.06
VEND2	RSTCZ15	RET	2_VN_CldDrnkHE	1	0.1	0	0.46
VEND2	SCHCZ15	RET	2_VN_CldDrnkHE	1	0.56	0	0.03
VEND2	SMOCZ15	RET	2_VN_CldDrnkHE	1	0.05	0	0.61
VEND2	WRHCZ15	RET	2_VN_CldDrnkHE	1	0.64	0	0.02
VEND1	COLCZ15	RET	2_VN_NonRefHE	1	0.29	0	0.01
VEND1	GRCCZ15	RET	2_VN_NonRefHE	1	0.1	0	0.06
VEND1	HLTCZ15	RET	2_VN_NonRefHE	1	0.18	0	0.03
VEND1	LDGCZ15	RET	2_VN_NonRefHE	1	0.17	0	0.05
VEND1	LGOCZ15	RET	2_VN_NonRefHE	1	0.38	0	0.03
VEND1	MSCCZ15	RET	2_VN_NonRefHE	1	0.03	0	0.05
VEND1	REFCZ15	RET	2_VN_NonRefHE	1	0.53	0	0.01
VEND1	RETCZ15	RET	2_VN_NonRefHE	1	0.23	0	0.03
VEND1	RSTCZ15	RET	2_VN_NonRefHE	1	0.1	0	0.16
VEND1	SCHCZ15	RET	2_VN_NonRefHE	1	0.14	0	0.03

SCE Commercial Miscellaneous  
Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
VEND1	SMOCZ15	RET	2_VN_NonRefHE	1	0.02	0	0.15
VEND1	WRHCZ15	RET	2_VN_NonRefHE	1	0.3	0	0.01
OFFICE1	COLCZ15	ROB	1_OF_SmlCopy	1	1	0.32	0.14
OFFICE1	COLCZ15	ROB	2_OF_SmlCopyES	2	1	0	0.14
OFFICE1	GRCCZ15	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	GRCCZ15	ROB	2_OF_SmlCopyES	2	1	0.04	0.08
OFFICE1	HLTCZ15	ROB	1_OF_SmlCopy	1	1	0.31	0.24
OFFICE1	HLTCZ15	ROB	2_OF_SmlCopyES	2	1	0.01	0.24
OFFICE1	LDGCZ15	ROB	1_OF_SmlCopy	1	1	0.25	0.05
OFFICE1	LDGCZ15	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOZ15	ROB	1_OF_SmlCopy	1	1	0.48	0.19
OFFICE1	LGOZ15	ROB	2_OF_SmlCopyES	2	1	0	0.19
OFFICE1	MSCCZ15	ROB	1_OF_SmlCopy	1	1	0.08	0.09
OFFICE1	MSCCZ15	ROB	2_OF_SmlCopyES	2	1	0	0.09
OFFICE1	REFCZ15	ROB	1_OF_SmlCopy	1	1	0.21	0.03
OFFICE1	REFCZ15	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	RETCZ15	ROB	1_OF_SmlCopy	1	1	0.34	0.14
OFFICE1	RETCZ15	ROB	2_OF_SmlCopyES	2	1	0.01	0.14
OFFICE1	RSTCZ15	ROB	1_OF_SmlCopy	1	1	0.14	0.22
OFFICE1	RSTCZ15	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ15	ROB	1_OF_SmlCopy	1	1	0.52	0.06
OFFICE1	SCHCZ15	ROB	2_OF_SmlCopyES	2	1	0	0.06
OFFICE1	SMOCZ15	ROB	1_OF_SmlCopy	1	1	0.44	0.73
OFFICE1	SMOCZ15	ROB	2_OF_SmlCopyES	2	1	0.02	0.73
OFFICE1	WRHCZ15	ROB	1_OF_SmlCopy	1	1	0.58	0.06
OFFICE1	WRHCZ15	ROB	2_OF_SmlCopyES	2	1	0.02	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ16	ROB	1_CK_FdStmr	1	1	0.43	0
COOK6	COLCZ16	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ16	ROB	1_CK_FdStmr	1	1	0.04	0.2
COOK6	GRCCZ16	ROB	2_CK_Pressureles	2	1	0	0.2
COOK6	HLTCZ16	ROB	1_CK_FdStmr	1	1	0.07	0.01
COOK6	HLTCZ16	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LDGCZ16	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LDGCZ16	ROB	2_CK_Pressureles	2	1	0	0
COOK6	LGOCZ16	ROB	1_CK_FdStmr	1	1	0.02	0.01
COOK6	LGOCZ16	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	MSCCZ16	ROB	1_CK_FdStmr	1	1	0	0.04
COOK6	MSCCZ16	ROB	2_CK_Pressureles	2	1	0	0.04
COOK6	REFCZ16	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ16	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ16	ROB	1_CK_FdStmr	1	1	0.02	0.02
COOK6	RETCZ16	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	RSTCZ16	ROB	1_CK_FdStmr	1	1	0.07	0.37
COOK6	RSTCZ16	ROB	2_CK_Pressureles	2	1	0	0.37
COOK6	SCHCZ16	ROB	1_CK_FdStmr	1	1	0.08	0.02
COOK6	SCHCZ16	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	SMOCZ16	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ16	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ16	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ16	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ16	ROB	1_CK_HoldCbnt	1	1	0.1	0
COOK5	COLCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ16	ROB	1_CK_HoldCbnt	1	1	0.15	0.08
COOK5	GRCCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0.08
COOK5	HLTCZ16	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	HLTCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LDGCZ16	ROB	1_CK_HoldCbnt	1	1	0.08	0
COOK5	LDGCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LGOCZ16	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ16	ROB	1_CK_HoldCbnt	1	1	0.01	0.06

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0.06
COOK5	REFCZ16	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ16	ROB	1_CK_HoldCbnt	1	1	0.01	0.01
COOK5	RETCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	RSTCZ16	ROB	1_CK_HoldCbnt	1	1	0.04	1.17
COOK5	RSTCZ16	ROB	2_CK_HoldCbntHE	2	1	0	1.17
COOK5	SCHCZ16	ROB	1_CK_HoldCbnt	1	1	0.22	0.03
COOK5	SCHCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	SMOCZ16	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ16	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ16	ROB	2_CK_HoldCbntHE	2	1	0	0
VEND2	COLCZ16	RET	2_VN_CldDrnkHE	1	0.56	0	0.07
VEND2	GRCCZ16	RET	2_VN_CldDrnkHE	1	0.41	0	0.11
VEND2	HLTCZ16	RET	2_VN_CldDrnkHE	1	0.32	0	0.03
VEND2	LDGCZ16	RET	2_VN_CldDrnkHE	1	0.55	0	0.06
VEND2	LGOCZ16	RET	2_VN_CldDrnkHE	1	0.67	0	0.05
VEND2	MSCCZ16	RET	2_VN_CldDrnkHE	1	0.06	0	0.11
VEND2	REFCZ16	RET	2_VN_CldDrnkHE	1	0.76	0	0.02
VEND2	RETCZ16	RET	2_VN_CldDrnkHE	1	0.53	0	0.06
VEND2	RSTCZ16	RET	2_VN_CldDrnkHE	1	0.1	0	0.46
VEND2	SCHCZ16	RET	2_VN_CldDrnkHE	1	0.56	0	0.03
VEND2	SMOCZ16	RET	2_VN_CldDrnkHE	1	0.05	0	0.61
VEND2	WRHCZ16	RET	2_VN_CldDrnkHE	1	0.64	0	0.02
VEND1	COLCZ16	RET	2_VN_NonRefHE	1	0.29	0	0.01
VEND1	GRCCZ16	RET	2_VN_NonRefHE	1	0.1	0	0.06
VEND1	HLTCZ16	RET	2_VN_NonRefHE	1	0.18	0	0.03
VEND1	LDGCZ16	RET	2_VN_NonRefHE	1	0.17	0	0.05
VEND1	LGOCZ16	RET	2_VN_NonRefHE	1	0.38	0	0.03
VEND1	MSCCZ16	RET	2_VN_NonRefHE	1	0.03	0	0.05
VEND1	REFCZ16	RET	2_VN_NonRefHE	1	0.53	0	0.01
VEND1	RETCZ16	RET	2_VN_NonRefHE	1	0.23	0	0.03
VEND1	RSTCZ16	RET	2_VN_NonRefHE	1	0.1	0	0.16
VEND1	SCHCZ16	RET	2_VN_NonRefHE	1	0.14	0	0.03

SCE Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
VEND1	SMOCZ16	RET	2_VN_NonRefHE	1	0.02	0	0.15
VEND1	WRHCZ16	RET	2_VN_NonRefHE	1	0.3	0	0.01
OFFICE1	COLCZ16	ROB	1_OF_SmlCopy	1	1	0.32	0.14
OFFICE1	COLCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.14
OFFICE1	GRCCZ16	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	GRCCZ16	ROB	2_OF_SmlCopyES	2	1	0.04	0.08
OFFICE1	HLTCZ16	ROB	1_OF_SmlCopy	1	1	0.31	0.24
OFFICE1	HLTCZ16	ROB	2_OF_SmlCopyES	2	1	0.01	0.24
OFFICE1	LDGCZ16	ROB	1_OF_SmlCopy	1	1	0.25	0.05
OFFICE1	LDGCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOZ16	ROB	1_OF_SmlCopy	1	1	0.48	0.19
OFFICE1	LGOZ16	ROB	2_OF_SmlCopyES	2	1	0	0.19
OFFICE1	MSCCZ16	ROB	1_OF_SmlCopy	1	1	0.08	0.09
OFFICE1	MSCCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.09
OFFICE1	REFCZ16	ROB	1_OF_SmlCopy	1	1	0.21	0.03
OFFICE1	REFCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	RETCZ16	ROB	1_OF_SmlCopy	1	1	0.34	0.14
OFFICE1	RETCZ16	ROB	2_OF_SmlCopyES	2	1	0.01	0.14
OFFICE1	RSTCZ16	ROB	1_OF_SmlCopy	1	1	0.14	0.22
OFFICE1	RSTCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ16	ROB	1_OF_SmlCopy	1	1	0.52	0.06
OFFICE1	SCHCZ16	ROB	2_OF_SmlCopyES	2	1	0	0.06
OFFICE1	SMOCZ16	ROB	1_OF_SmlCopy	1	1	0.44	0.73
OFFICE1	SMOCZ16	ROB	2_OF_SmlCopyES	2	1	0.02	0.73
OFFICE1	WRHCZ16	ROB	1_OF_SmlCopy	1	1	0.58	0.06
OFFICE1	WRHCZ16	ROB	2_OF_SmlCopyES	2	1	0.02	0.06



SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	COLCZ04	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ04	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ04	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ04	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ04	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ04	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ04	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ04	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ04	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ04	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ04	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ04	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ04	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ04	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ04	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ04	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ04	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ04	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ04	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ04	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ04	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ04	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ04	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ04	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ04	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ04	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ04	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ04	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ04	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ04	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ04	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ04	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ04	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ04	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ04	ROB	1_CK_Oven	1	1	0.09	0.07

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	MSCCZ04	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ04	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ04	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ04	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ04	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ04	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ04	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ04	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ04	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ04	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ04	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ04	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ04	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ04	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ04	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ04	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ04	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ04	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOZ04	ROB	1_CK_PzOven	1	1	0	0
COOK2	LGOZ04	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ04	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ04	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ04	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ04	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ04	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ04	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ04	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ04	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ04	ROB	2_CK_CnveyrOven	2	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	WRHCZ04	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ04	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ04	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ04	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ04	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ04	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ04	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ04	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ04	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ04	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ04	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ04	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ04	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	SMOCZ04	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ04	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ04	ROB	2_CK_GasFryerIF	2	1	0	0
WATER3	COLCZ04	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ04	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ04	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ04	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ04	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ04	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ04	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ04	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ04	RET	2_WH_CircTimer	1	0.09	0	0.18

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER3	SCHCZ04	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ04	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ04	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ04	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ04	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ04	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ04	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ04	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ04	ROB	3_WH_Instant	3	1	0	0.27
WATER2	HLTCZ04	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ04	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ04	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ04	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ04	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ04	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ04	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ04	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ04	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ04	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ04	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ04	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ04	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ04	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ04	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ04	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ04	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ04	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ04	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ04	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ04	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ04	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ04	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ04	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ04	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ04	ROB	2_WH_StorageHE	2	1	0	0.28

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	SMOCZ04	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ04	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ04	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ04	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ04	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ04	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ04	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ04	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ04	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ04	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ04	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ04	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ04	ROB	1_WH_GasComm	1	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	RETCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ04	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ04	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ04	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ04	ROB	2_WH_GasHorzAxis	2	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	COLCZ05	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ05	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ05	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ05	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ05	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ05	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ05	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ05	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ05	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ05	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ05	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ05	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ05	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ05	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ05	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ05	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ05	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ05	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ05	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ05	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ05	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ05	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ05	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ05	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ05	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ05	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ05	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ05	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ05	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ05	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ05	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ05	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ05	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ05	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ05	ROB	1_CK_Oven	1	1	0.09	0.07

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	MSCCZ05	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ05	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ05	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ05	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ05	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ05	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ05	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ05	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ05	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ05	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ05	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ05	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ05	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ05	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ05	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ05	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ05	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ05	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOZ05	ROB	1_CK_PzOven	1	1	0	0
COOK2	LGOZ05	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ05	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ05	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ05	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ05	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ05	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ05	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ05	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ05	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ05	ROB	2_CK_CnveyrOven	2	1	0	0



SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	WRHCZ05	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ05	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ05	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ05	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ05	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ05	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ05	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ05	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ05	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ05	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ05	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ05	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ05	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	SMOCZ05	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ05	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ05	ROB	2_CK_GasFryerIF	2	1	0	0
WATER3	COLCZ05	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ05	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ05	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ05	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ05	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ05	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ05	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ05	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ05	RET	2_WH_CircTimer	1	0.09	0	0.18

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER3	SCHCZ05	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ05	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ05	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ05	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ05	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ05	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ05	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ05	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ05	ROB	3_WH_Instant	3	1	0	0.27
WATER2	HLTCZ05	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ05	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ05	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ05	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ05	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ05	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ05	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ05	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ05	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ05	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ05	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ05	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ05	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ05	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ05	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ05	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ05	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ05	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ05	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ05	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ05	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ05	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ05	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ05	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ05	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ05	ROB	2_WH_StorageHE	2	1	0	0.28

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	SMOCZ05	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ05	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ05	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ05	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ05	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ05	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ05	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ05	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ05	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ05	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ05	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ05	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ05	ROB	1_WH_GasComm	1	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	RETCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ05	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ05	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ05	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ05	ROB	2_WH_GasHorzAxis	2	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	COLCZ06	ROB	1_CK_Griddle	1	1	0.22	0.01
COOK4	COLCZ06	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ06	ROB	1_CK_Griddle	1	1	0.1	0.11
COOK4	GRCCZ06	ROB	2_CK_GriddleHE	2	1	0	0.11
COOK4	HLTCZ06	ROB	1_CK_Griddle	1	1	0.46	0.01
COOK4	HLTCZ06	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LDGCZ06	ROB	1_CK_Griddle	1	1	0.29	0.02
COOK4	LDGCZ06	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LGOCZ06	ROB	1_CK_Griddle	1	1	0.07	0.01
COOK4	LGOCZ06	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ06	ROB	1_CK_Griddle	1	1	0.02	0.03
COOK4	MSCCZ06	ROB	2_CK_GriddleHE	2	1	0	0.03
COOK4	REFCZ06	ROB	1_CK_Griddle	1	1	0.03	0
COOK4	REFCZ06	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RETCZ06	ROB	1_CK_Griddle	1	1	0.02	0.01
COOK4	RETCZ06	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RSTCZ06	ROB	1_CK_Griddle	1	1	0.55	0.39
COOK4	RSTCZ06	ROB	2_CK_GriddleHE	2	1	0	0.39
COOK4	SCHCZ06	ROB	1_CK_Griddle	1	1	0.05	0.02
COOK4	SCHCZ06	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	SMOCZ06	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ06	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ06	ROB	1_CK_Griddle	1	1	0.01	0
COOK4	WRHCZ06	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ06	ROB	1_CK_Oven	1	1	0.34	0.06
COOK3	COLCZ06	ROB	2_CK_CnvcOven	2	1	0.02	0.06
COOK3	GRCCZ06	ROB	1_CK_Oven	1	1	0.37	0.09
COOK3	GRCCZ06	ROB	2_CK_CnvcOven	2	1	0.03	0.09
COOK3	HLTCZ06	ROB	1_CK_Oven	1	1	0.44	0.02
COOK3	HLTCZ06	ROB	2_CK_CnvcOven	2	1	0.15	0.02
COOK3	LDGCZ06	ROB	1_CK_Oven	1	1	0.47	0.74
COOK3	LDGCZ06	ROB	2_CK_CnvcOven	2	1	0.01	0.74
COOK3	LGOCZ06	ROB	1_CK_Oven	1	1	0.02	0.01
COOK3	LGOCZ06	ROB	2_CK_CnvcOven	2	1	0.03	0.01
COOK3	MSCCZ06	ROB	1_CK_Oven	1	1	0.05	0.08

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	MSCCZ06	ROB	2_CK_CnvcOven	2	1	0	0.08
COOK3	REFCZ06	ROB	1_CK_Oven	1	1	0.03	0.02
COOK3	REFCZ06	ROB	2_CK_CnvcOven	2	1	0	0.02
COOK3	RETCZ06	ROB	1_CK_Oven	1	1	0.02	0.03
COOK3	RETCZ06	ROB	2_CK_CnvcOven	2	1	0.02	0.03
COOK3	RSTCZ06	ROB	1_CK_Oven	1	1	0.27	0.47
COOK3	RSTCZ06	ROB	2_CK_CnvcOven	2	1	0.12	0.47
COOK3	SCHCZ06	ROB	1_CK_Oven	1	1	0.3	0.05
COOK3	SCHCZ06	ROB	2_CK_CnvcOven	2	1	0.13	0.05
COOK3	SMOCZ06	ROB	1_CK_Oven	1	1	0.08	0.2
COOK3	SMOCZ06	ROB	2_CK_CnvcOven	2	1	0	0.2
COOK3	WRHCZ06	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ06	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ06	ROB	1_CK_PzOven	1	1	0.08	0.03
COOK2	COLCZ06	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	GRCCZ06	ROB	1_CK_PzOven	1	1	0.04	0.1
COOK2	GRCCZ06	ROB	2_CK_CnveyrOven	2	1	0	0.1
COOK2	HLTCZ06	ROB	1_CK_PzOven	1	1	0	0
COOK2	HLTCZ06	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LDGCZ06	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LDGCZ06	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	LGOZ06	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LGOZ06	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	MSCCZ06	ROB	1_CK_PzOven	1	1	0	0.03
COOK2	MSCCZ06	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	REFCZ06	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ06	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ06	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	RETCZ06	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	RSTCZ06	ROB	1_CK_PzOven	1	1	0.1	0.8
COOK2	RSTCZ06	ROB	2_CK_CnveyrOven	2	1	0	0.8
COOK2	SCHCZ06	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	SCHCZ06	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ06	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ06	ROB	2_CK_CnveyrOven	2	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	WRHCZ06	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ06	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ06	ROB	1_CK_GasFryer	1	1	0.12	0.05
COOK1	COLCZ06	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	GRCCZ06	ROB	1_CK_GasFryer	1	1	0.2	0.05
COOK1	GRCCZ06	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	HLTCZ06	ROB	1_CK_GasFryer	1	1	0.08	0.01
COOK1	HLTCZ06	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ06	ROB	1_CK_GasFryer	1	1	0.21	0.01
COOK1	LDGCZ06	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ06	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LGOCZ06	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	MSCCZ06	ROB	1_CK_GasFryer	1	1	0.01	0.05
COOK1	MSCCZ06	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	REFCZ06	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ06	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ06	ROB	1_CK_GasFryer	1	1	0.01	0.04
COOK1	RETCZ06	ROB	2_CK_GasFryerIF	2	1	0	0.04
COOK1	RSTCZ06	ROB	1_CK_GasFryer	1	1	0.29	0.49
COOK1	RSTCZ06	ROB	2_CK_GasFryerIF	2	1	0	0.49
COOK1	SCHCZ06	ROB	1_CK_GasFryer	1	1	0.19	0.03
COOK1	SCHCZ06	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	SMOCZ06	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ06	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ06	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ06	ROB	2_CK_GasFryerIF	2	1	0	0
WATER3	COLCZ06	RET	2_WH_CircTimer	1	0.29	0	0.02
WATER3	GRCCZ06	RET	2_WH_CircTimer	1	0.08	0	0.03
WATER3	HLTCZ06	RET	2_WH_CircTimer	1	0.21	0.01	0.05
WATER3	LDGCZ06	RET	2_WH_CircTimer	1	0.13	0	0.06
WATER3	LGOCZ06	RET	2_WH_CircTimer	1	0.26	0.01	0.01
WATER3	MSCCZ06	RET	2_WH_CircTimer	1	0.01	0	0.04
WATER3	REFCZ06	RET	2_WH_CircTimer	1	0	0	0
WATER3	RETCZ06	RET	2_WH_CircTimer	1	0.01	0	0.02
WATER3	RSTCZ06	RET	2_WH_CircTimer	1	0.09	0.01	0.21

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER3	SCHCZ06	RET	2_WH_CircTimer	1	0.16	0.09	0.04
WATER3	SMOCZ06	RET	2_WH_CircTimer	1	0	0	0.19
WATER3	WRHCZ06	RET	2_WH_CircTimer	1	0	0	0
WATER2	COLCZ06	ROB	1_WH_Storage	1	1	0.31	0.03
WATER2	COLCZ06	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	COLCZ06	ROB	3_WH_Instant	3	1	0.02	0.03
WATER2	GRCCZ06	ROB	1_WH_Storage	1	1	0.25	0.18
WATER2	GRCCZ06	ROB	2_WH_StorageHE	2	1	0	0.18
WATER2	GRCCZ06	ROB	3_WH_Instant	3	1	0	0.18
WATER2	HLTCZ06	ROB	1_WH_Storage	1	1	0.2	0.09
WATER2	HLTCZ06	ROB	2_WH_StorageHE	2	1	0.01	0.09
WATER2	HLTCZ06	ROB	3_WH_Instant	3	1	0.26	0.09
WATER2	LDGCZ06	ROB	1_WH_Storage	1	1	0.27	0.57
WATER2	LDGCZ06	ROB	2_WH_StorageHE	2	1	0	0.57
WATER2	LDGCZ06	ROB	3_WH_Instant	3	1	0	0.57
WATER2	LGOCZ06	ROB	1_WH_Storage	1	1	0.23	0.04
WATER2	LGOCZ06	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	LGOCZ06	ROB	3_WH_Instant	3	1	0	0.04
WATER2	MSCCZ06	ROB	1_WH_Storage	1	1	0.09	0.13
WATER2	MSCCZ06	ROB	2_WH_StorageHE	2	1	0	0.13
WATER2	MSCCZ06	ROB	3_WH_Instant	3	1	0	0.13
WATER2	REFCZ06	ROB	1_WH_Storage	1	1	0.15	0.03
WATER2	REFCZ06	ROB	2_WH_StorageHE	2	1	0.21	0.03
WATER2	REFCZ06	ROB	3_WH_Instant	3	1	0	0.03
WATER2	RETCZ06	ROB	1_WH_Storage	1	1	0.27	0.1
WATER2	RETCZ06	ROB	2_WH_StorageHE	2	1	0.02	0.1
WATER2	RETCZ06	ROB	3_WH_Instant	3	1	0	0.1
WATER2	RSTCZ06	ROB	1_WH_Storage	1	1	0.51	0.41
WATER2	RSTCZ06	ROB	2_WH_StorageHE	2	1	0	0.41
WATER2	RSTCZ06	ROB	3_WH_Instant	3	1	0	0.41
WATER2	SCHCZ06	ROB	1_WH_Storage	1	1	0.62	0.06
WATER2	SCHCZ06	ROB	2_WH_StorageHE	2	1	0.07	0.06
WATER2	SCHCZ06	ROB	3_WH_Instant	3	1	0	0.06
WATER2	SMOCZ06	ROB	1_WH_Storage	1	1	0.19	0.44
WATER2	SMOCZ06	ROB	2_WH_StorageHE	2	1	0	0.44



SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	SMOCZ06	ROB	3_WH_Instant	3	1	0	0.44
WATER2	WRHCZ06	ROB	1_WH_Storage	1	1	0.3	0.03
WATER2	WRHCZ06	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ06	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ06	NEW	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ06	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ06	ROB	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ06	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ06	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ06	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ06	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ06	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ06	NEW	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ06	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	HLTCZ06	ROB	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ06	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ06	NEW	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ06	NEW	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LDGCZ06	ROB	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ06	ROB	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LGOZ06	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ06	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ06	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ06	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ06	NEW	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ06	NEW	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	MSCCZ06	ROB	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ06	ROB	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	REFCZ06	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ06	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ06	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ06	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ06	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ06	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ06	ROB	1_WH_GasComm	1	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	RETCZ06	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ06	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ06	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ06	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ06	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ06	NEW	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ06	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ06	ROB	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ06	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ06	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ06	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ06	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ06	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ06	NEW	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ06	NEW	2_WH_GasHorzAxis	2	1	0	0.14
WATER1	WRHCZ06	ROB	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ06	ROB	2_WH_GasHorzAxis	2	1	0	0.14

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	COLCZ08	ROB	1_CK_Griddle	1	1	0.22	0.01
COOK4	COLCZ08	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ08	ROB	1_CK_Griddle	1	1	0.1	0.11
COOK4	GRCCZ08	ROB	2_CK_GriddleHE	2	1	0	0.11
COOK4	HLTCZ08	ROB	1_CK_Griddle	1	1	0.46	0.01
COOK4	HLTCZ08	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LDGCZ08	ROB	1_CK_Griddle	1	1	0.29	0.02
COOK4	LDGCZ08	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LGOCZ08	ROB	1_CK_Griddle	1	1	0.07	0.01
COOK4	LGOCZ08	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ08	ROB	1_CK_Griddle	1	1	0.02	0.03
COOK4	MSCCZ08	ROB	2_CK_GriddleHE	2	1	0	0.03
COOK4	REFCZ08	ROB	1_CK_Griddle	1	1	0.03	0
COOK4	REFCZ08	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RETCZ08	ROB	1_CK_Griddle	1	1	0.02	0.01
COOK4	RETCZ08	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RSTCZ08	ROB	1_CK_Griddle	1	1	0.55	0.39
COOK4	RSTCZ08	ROB	2_CK_GriddleHE	2	1	0	0.39
COOK4	SCHCZ08	ROB	1_CK_Griddle	1	1	0.05	0.02
COOK4	SCHCZ08	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	SMOCZ08	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ08	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ08	ROB	1_CK_Griddle	1	1	0.01	0
COOK4	WRHCZ08	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ08	ROB	1_CK_Oven	1	1	0.34	0.06
COOK3	COLCZ08	ROB	2_CK_CnvcOven	2	1	0.02	0.06
COOK3	GRCCZ08	ROB	1_CK_Oven	1	1	0.37	0.09
COOK3	GRCCZ08	ROB	2_CK_CnvcOven	2	1	0.03	0.09
COOK3	HLTCZ08	ROB	1_CK_Oven	1	1	0.44	0.02
COOK3	HLTCZ08	ROB	2_CK_CnvcOven	2	1	0.15	0.02
COOK3	LDGCZ08	ROB	1_CK_Oven	1	1	0.47	0.74
COOK3	LDGCZ08	ROB	2_CK_CnvcOven	2	1	0.01	0.74
COOK3	LGOCZ08	ROB	1_CK_Oven	1	1	0.02	0.01
COOK3	LGOCZ08	ROB	2_CK_CnvcOven	2	1	0.03	0.01
COOK3	MSCCZ08	ROB	1_CK_Oven	1	1	0.05	0.08

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	MSCCZ08	ROB	2_CK_CnvcOven	2	1	0	0.08
COOK3	REFCZ08	ROB	1_CK_Oven	1	1	0.03	0.02
COOK3	REFCZ08	ROB	2_CK_CnvcOven	2	1	0	0.02
COOK3	RETCZ08	ROB	1_CK_Oven	1	1	0.02	0.03
COOK3	RETCZ08	ROB	2_CK_CnvcOven	2	1	0.02	0.03
COOK3	RSTCZ08	ROB	1_CK_Oven	1	1	0.27	0.47
COOK3	RSTCZ08	ROB	2_CK_CnvcOven	2	1	0.12	0.47
COOK3	SCHCZ08	ROB	1_CK_Oven	1	1	0.3	0.05
COOK3	SCHCZ08	ROB	2_CK_CnvcOven	2	1	0.13	0.05
COOK3	SMOCZ08	ROB	1_CK_Oven	1	1	0.08	0.2
COOK3	SMOCZ08	ROB	2_CK_CnvcOven	2	1	0	0.2
COOK3	WRHCZ08	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ08	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ08	ROB	1_CK_PzOven	1	1	0.08	0.03
COOK2	COLCZ08	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	GRCCZ08	ROB	1_CK_PzOven	1	1	0.04	0.1
COOK2	GRCCZ08	ROB	2_CK_CnveyrOven	2	1	0	0.1
COOK2	HLTCZ08	ROB	1_CK_PzOven	1	1	0	0
COOK2	HLTCZ08	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LDGCZ08	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LDGCZ08	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	LGOZ08	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LGOZ08	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	MSCCZ08	ROB	1_CK_PzOven	1	1	0	0.03
COOK2	MSCCZ08	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	REFCZ08	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ08	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ08	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	RETCZ08	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	RSTCZ08	ROB	1_CK_PzOven	1	1	0.1	0.8
COOK2	RSTCZ08	ROB	2_CK_CnveyrOven	2	1	0	0.8
COOK2	SCHCZ08	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	SCHCZ08	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ08	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ08	ROB	2_CK_CnveyrOven	2	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	WRHCZ08	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ08	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ08	ROB	1_CK_GasFryer	1	1	0.12	0.05
COOK1	COLCZ08	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	GRCCZ08	ROB	1_CK_GasFryer	1	1	0.2	0.05
COOK1	GRCCZ08	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	HLTCZ08	ROB	1_CK_GasFryer	1	1	0.08	0.01
COOK1	HLTCZ08	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ08	ROB	1_CK_GasFryer	1	1	0.21	0.01
COOK1	LDGCZ08	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ08	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LGOCZ08	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	MSCCZ08	ROB	1_CK_GasFryer	1	1	0.01	0.05
COOK1	MSCCZ08	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	REFCZ08	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ08	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ08	ROB	1_CK_GasFryer	1	1	0.01	0.04
COOK1	RETCZ08	ROB	2_CK_GasFryerIF	2	1	0	0.04
COOK1	RSTCZ08	ROB	1_CK_GasFryer	1	1	0.29	0.49
COOK1	RSTCZ08	ROB	2_CK_GasFryerIF	2	1	0	0.49
COOK1	SCHCZ08	ROB	1_CK_GasFryer	1	1	0.19	0.03
COOK1	SCHCZ08	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	SMOCZ08	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ08	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ08	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ08	ROB	2_CK_GasFryerIF	2	1	0	0
WATER3	COLCZ08	RET	2_WH_CircTimer	1	0.29	0	0.02
WATER3	GRCCZ08	RET	2_WH_CircTimer	1	0.08	0	0.03
WATER3	HLTCZ08	RET	2_WH_CircTimer	1	0.21	0.01	0.05
WATER3	LDGCZ08	RET	2_WH_CircTimer	1	0.13	0	0.06
WATER3	LGOCZ08	RET	2_WH_CircTimer	1	0.26	0.01	0.01
WATER3	MSCCZ08	RET	2_WH_CircTimer	1	0.01	0	0.04
WATER3	REFCZ08	RET	2_WH_CircTimer	1	0	0	0
WATER3	RETCZ08	RET	2_WH_CircTimer	1	0.01	0	0.02
WATER3	RSTCZ08	RET	2_WH_CircTimer	1	0.09	0.01	0.21

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER3	SCHCZ08	RET	2_WH_CircTimer	1	0.16	0.09	0.04
WATER3	SMOCZ08	RET	2_WH_CircTimer	1	0	0	0.19
WATER3	WRHCZ08	RET	2_WH_CircTimer	1	0	0	0
WATER2	COLCZ08	ROB	1_WH_Storage	1	1	0.31	0.03
WATER2	COLCZ08	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	COLCZ08	ROB	3_WH_Instant	3	1	0.02	0.03
WATER2	GRCCZ08	ROB	1_WH_Storage	1	1	0.25	0.18
WATER2	GRCCZ08	ROB	2_WH_StorageHE	2	1	0	0.18
WATER2	GRCCZ08	ROB	3_WH_Instant	3	1	0	0.18
WATER2	HLTCZ08	ROB	1_WH_Storage	1	1	0.2	0.09
WATER2	HLTCZ08	ROB	2_WH_StorageHE	2	1	0.01	0.09
WATER2	HLTCZ08	ROB	3_WH_Instant	3	1	0.26	0.09
WATER2	LDGCZ08	ROB	1_WH_Storage	1	1	0.27	0.57
WATER2	LDGCZ08	ROB	2_WH_StorageHE	2	1	0	0.57
WATER2	LDGCZ08	ROB	3_WH_Instant	3	1	0	0.57
WATER2	LGOCZ08	ROB	1_WH_Storage	1	1	0.23	0.04
WATER2	LGOCZ08	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	LGOCZ08	ROB	3_WH_Instant	3	1	0	0.04
WATER2	MSCCZ08	ROB	1_WH_Storage	1	1	0.09	0.13
WATER2	MSCCZ08	ROB	2_WH_StorageHE	2	1	0	0.13
WATER2	MSCCZ08	ROB	3_WH_Instant	3	1	0	0.13
WATER2	REFCZ08	ROB	1_WH_Storage	1	1	0.15	0.03
WATER2	REFCZ08	ROB	2_WH_StorageHE	2	1	0.21	0.03
WATER2	REFCZ08	ROB	3_WH_Instant	3	1	0	0.03
WATER2	RETCZ08	ROB	1_WH_Storage	1	1	0.27	0.1
WATER2	RETCZ08	ROB	2_WH_StorageHE	2	1	0.02	0.1
WATER2	RETCZ08	ROB	3_WH_Instant	3	1	0	0.1
WATER2	RSTCZ08	ROB	1_WH_Storage	1	1	0.51	0.41
WATER2	RSTCZ08	ROB	2_WH_StorageHE	2	1	0	0.41
WATER2	RSTCZ08	ROB	3_WH_Instant	3	1	0	0.41
WATER2	SCHCZ08	ROB	1_WH_Storage	1	1	0.62	0.06
WATER2	SCHCZ08	ROB	2_WH_StorageHE	2	1	0.07	0.06
WATER2	SCHCZ08	ROB	3_WH_Instant	3	1	0	0.06
WATER2	SMOCZ08	ROB	1_WH_Storage	1	1	0.19	0.44
WATER2	SMOCZ08	ROB	2_WH_StorageHE	2	1	0	0.44

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	SMOCZ08	ROB	3_WH_Instant	3	1	0	0.44
WATER2	WRHCZ08	ROB	1_WH_Storage	1	1	0.3	0.03
WATER2	WRHCZ08	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ08	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ08	NEW	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ08	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ08	ROB	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ08	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ08	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ08	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ08	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ08	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ08	NEW	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ08	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	HLTCZ08	ROB	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ08	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ08	NEW	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ08	NEW	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LDGCZ08	ROB	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ08	ROB	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LGOZ08	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ08	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ08	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ08	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ08	NEW	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ08	NEW	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	MSCCZ08	ROB	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ08	ROB	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	REFCZ08	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ08	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ08	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ08	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ08	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ08	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ08	ROB	1_WH_GasComm	1	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	RETCZ08	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ08	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ08	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ08	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ08	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ08	NEW	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ08	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ08	ROB	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ08	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ08	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ08	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ08	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ08	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ08	NEW	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ08	NEW	2_WH_GasHorzAxis	2	1	0	0.14
WATER1	WRHCZ08	ROB	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ08	ROB	2_WH_GasHorzAxis	2	1	0	0.14



SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	COLCZ09	ROB	1_CK_Griddle	1	1	0.22	0.01
COOK4	COLCZ09	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ09	ROB	1_CK_Griddle	1	1	0.1	0.11
COOK4	GRCCZ09	ROB	2_CK_GriddleHE	2	1	0	0.11
COOK4	HLTCZ09	ROB	1_CK_Griddle	1	1	0.46	0.01
COOK4	HLTCZ09	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LDGCZ09	ROB	1_CK_Griddle	1	1	0.29	0.02
COOK4	LDGCZ09	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LGOCZ09	ROB	1_CK_Griddle	1	1	0.07	0.01
COOK4	LGOCZ09	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ09	ROB	1_CK_Griddle	1	1	0.02	0.03
COOK4	MSCCZ09	ROB	2_CK_GriddleHE	2	1	0	0.03
COOK4	REFCZ09	ROB	1_CK_Griddle	1	1	0.03	0
COOK4	REFCZ09	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RETCZ09	ROB	1_CK_Griddle	1	1	0.02	0.01
COOK4	RETCZ09	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RSTCZ09	ROB	1_CK_Griddle	1	1	0.55	0.39
COOK4	RSTCZ09	ROB	2_CK_GriddleHE	2	1	0	0.39
COOK4	SCHCZ09	ROB	1_CK_Griddle	1	1	0.05	0.02
COOK4	SCHCZ09	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	SMOCZ09	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ09	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ09	ROB	1_CK_Griddle	1	1	0.01	0
COOK4	WRHCZ09	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ09	ROB	1_CK_Oven	1	1	0.34	0.06
COOK3	COLCZ09	ROB	2_CK_CnvcOven	2	1	0.02	0.06
COOK3	GRCCZ09	ROB	1_CK_Oven	1	1	0.37	0.09
COOK3	GRCCZ09	ROB	2_CK_CnvcOven	2	1	0.03	0.09
COOK3	HLTCZ09	ROB	1_CK_Oven	1	1	0.44	0.02
COOK3	HLTCZ09	ROB	2_CK_CnvcOven	2	1	0.15	0.02
COOK3	LDGCZ09	ROB	1_CK_Oven	1	1	0.47	0.74
COOK3	LDGCZ09	ROB	2_CK_CnvcOven	2	1	0.01	0.74
COOK3	LGOCZ09	ROB	1_CK_Oven	1	1	0.02	0.01
COOK3	LGOCZ09	ROB	2_CK_CnvcOven	2	1	0.03	0.01
COOK3	MSCCZ09	ROB	1_CK_Oven	1	1	0.05	0.08

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	MSCCZ09	ROB	2_CK_CnvcOven	2	1	0	0.08
COOK3	REFCZ09	ROB	1_CK_Oven	1	1	0.03	0.02
COOK3	REFCZ09	ROB	2_CK_CnvcOven	2	1	0	0.02
COOK3	RETCZ09	ROB	1_CK_Oven	1	1	0.02	0.03
COOK3	RETCZ09	ROB	2_CK_CnvcOven	2	1	0.02	0.03
COOK3	RSTCZ09	ROB	1_CK_Oven	1	1	0.27	0.47
COOK3	RSTCZ09	ROB	2_CK_CnvcOven	2	1	0.12	0.47
COOK3	SCHCZ09	ROB	1_CK_Oven	1	1	0.3	0.05
COOK3	SCHCZ09	ROB	2_CK_CnvcOven	2	1	0.13	0.05
COOK3	SMOCZ09	ROB	1_CK_Oven	1	1	0.08	0.2
COOK3	SMOCZ09	ROB	2_CK_CnvcOven	2	1	0	0.2
COOK3	WRHCZ09	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ09	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ09	ROB	1_CK_PzOven	1	1	0.08	0.03
COOK2	COLCZ09	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	GRCCZ09	ROB	1_CK_PzOven	1	1	0.04	0.1
COOK2	GRCCZ09	ROB	2_CK_CnveyrOven	2	1	0	0.1
COOK2	HLTCZ09	ROB	1_CK_PzOven	1	1	0	0
COOK2	HLTCZ09	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LDGCZ09	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LDGCZ09	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	LGOCZ09	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LGOCZ09	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	MSCCZ09	ROB	1_CK_PzOven	1	1	0	0.03
COOK2	MSCCZ09	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	REFCZ09	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ09	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ09	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	RETCZ09	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	RSTCZ09	ROB	1_CK_PzOven	1	1	0.1	0.8
COOK2	RSTCZ09	ROB	2_CK_CnveyrOven	2	1	0	0.8
COOK2	SCHCZ09	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	SCHCZ09	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ09	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ09	ROB	2_CK_CnveyrOven	2	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	WRHCZ09	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ09	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ09	ROB	1_CK_GasFryer	1	1	0.12	0.05
COOK1	COLCZ09	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	GRCCZ09	ROB	1_CK_GasFryer	1	1	0.2	0.05
COOK1	GRCCZ09	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	HLTCZ09	ROB	1_CK_GasFryer	1	1	0.08	0.01
COOK1	HLTCZ09	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ09	ROB	1_CK_GasFryer	1	1	0.21	0.01
COOK1	LDGCZ09	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ09	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LGOCZ09	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	MSCCZ09	ROB	1_CK_GasFryer	1	1	0.01	0.05
COOK1	MSCCZ09	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	REFCZ09	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ09	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ09	ROB	1_CK_GasFryer	1	1	0.01	0.04
COOK1	RETCZ09	ROB	2_CK_GasFryerIF	2	1	0	0.04
COOK1	RSTCZ09	ROB	1_CK_GasFryer	1	1	0.29	0.49
COOK1	RSTCZ09	ROB	2_CK_GasFryerIF	2	1	0	0.49
COOK1	SCHCZ09	ROB	1_CK_GasFryer	1	1	0.19	0.03
COOK1	SCHCZ09	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	SMOCZ09	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ09	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ09	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ09	ROB	2_CK_GasFryerIF	2	1	0	0
WATER3	COLCZ09	RET	2_WH_CircTimer	1	0.29	0	0.02
WATER3	GRCCZ09	RET	2_WH_CircTimer	1	0.08	0	0.03
WATER3	HLTCZ09	RET	2_WH_CircTimer	1	0.21	0.01	0.05
WATER3	LDGCZ09	RET	2_WH_CircTimer	1	0.13	0	0.06
WATER3	LGOCZ09	RET	2_WH_CircTimer	1	0.26	0.01	0.01
WATER3	MSCCZ09	RET	2_WH_CircTimer	1	0.01	0	0.04
WATER3	REFCZ09	RET	2_WH_CircTimer	1	0	0	0
WATER3	RETCZ09	RET	2_WH_CircTimer	1	0.01	0	0.02
WATER3	RSTCZ09	RET	2_WH_CircTimer	1	0.09	0.01	0.21

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER3	SCHCZ09	RET	2_WH_CircTimer	1	0.16	0.09	0.04
WATER3	SMOCZ09	RET	2_WH_CircTimer	1	0	0	0.19
WATER3	WRHCZ09	RET	2_WH_CircTimer	1	0	0	0
WATER2	COLCZ09	ROB	1_WH_Storage	1	1	0.31	0.03
WATER2	COLCZ09	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	COLCZ09	ROB	3_WH_Instant	3	1	0.02	0.03
WATER2	GRCCZ09	ROB	1_WH_Storage	1	1	0.25	0.18
WATER2	GRCCZ09	ROB	2_WH_StorageHE	2	1	0	0.18
WATER2	GRCCZ09	ROB	3_WH_Instant	3	1	0	0.18
WATER2	HLTCZ09	ROB	1_WH_Storage	1	1	0.2	0.09
WATER2	HLTCZ09	ROB	2_WH_StorageHE	2	1	0.01	0.09
WATER2	HLTCZ09	ROB	3_WH_Instant	3	1	0.26	0.09
WATER2	LDGCZ09	ROB	1_WH_Storage	1	1	0.27	0.57
WATER2	LDGCZ09	ROB	2_WH_StorageHE	2	1	0	0.57
WATER2	LDGCZ09	ROB	3_WH_Instant	3	1	0	0.57
WATER2	LGOCZ09	ROB	1_WH_Storage	1	1	0.23	0.04
WATER2	LGOCZ09	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	LGOCZ09	ROB	3_WH_Instant	3	1	0	0.04
WATER2	MSCCZ09	ROB	1_WH_Storage	1	1	0.09	0.13
WATER2	MSCCZ09	ROB	2_WH_StorageHE	2	1	0	0.13
WATER2	MSCCZ09	ROB	3_WH_Instant	3	1	0	0.13
WATER2	REFCZ09	ROB	1_WH_Storage	1	1	0.15	0.03
WATER2	REFCZ09	ROB	2_WH_StorageHE	2	1	0.21	0.03
WATER2	REFCZ09	ROB	3_WH_Instant	3	1	0	0.03
WATER2	RETCZ09	ROB	1_WH_Storage	1	1	0.27	0.1
WATER2	RETCZ09	ROB	2_WH_StorageHE	2	1	0.02	0.1
WATER2	RETCZ09	ROB	3_WH_Instant	3	1	0	0.1
WATER2	RSTCZ09	ROB	1_WH_Storage	1	1	0.51	0.41
WATER2	RSTCZ09	ROB	2_WH_StorageHE	2	1	0	0.41
WATER2	RSTCZ09	ROB	3_WH_Instant	3	1	0	0.41
WATER2	SCHCZ09	ROB	1_WH_Storage	1	1	0.62	0.06
WATER2	SCHCZ09	ROB	2_WH_StorageHE	2	1	0.07	0.06
WATER2	SCHCZ09	ROB	3_WH_Instant	3	1	0	0.06
WATER2	SMOCZ09	ROB	1_WH_Storage	1	1	0.19	0.44
WATER2	SMOCZ09	ROB	2_WH_StorageHE	2	1	0	0.44

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	SMOCZ09	ROB	3_WH_Instant	3	1	0	0.44
WATER2	WRHCZ09	ROB	1_WH_Storage	1	1	0.3	0.03
WATER2	WRHCZ09	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ09	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ09	NEW	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ09	ROB	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ09	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ09	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ09	NEW	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	HLTCZ09	ROB	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ09	NEW	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LDGCZ09	ROB	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LGOCZ09	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOCZ09	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ09	NEW	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	MSCCZ09	ROB	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	REFCZ09	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ09	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ09	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ09	ROB	1_WH_GasComm	1	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	RETCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ09	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ09	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ09	NEW	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ09	ROB	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ09	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ09	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ09	NEW	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ09	NEW	2_WH_GasHorzAxis	2	1	0	0.14
WATER1	WRHCZ09	ROB	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ09	ROB	2_WH_GasHorzAxis	2	1	0	0.14

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	COLCZ10	ROB	1_CK_Griddle	1	1	0.22	0.01
COOK4	COLCZ10	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ10	ROB	1_CK_Griddle	1	1	0.1	0.11
COOK4	GRCCZ10	ROB	2_CK_GriddleHE	2	1	0	0.11
COOK4	HLTCZ10	ROB	1_CK_Griddle	1	1	0.46	0.01
COOK4	HLTCZ10	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LDGCZ10	ROB	1_CK_Griddle	1	1	0.29	0.02
COOK4	LDGCZ10	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LGOCZ10	ROB	1_CK_Griddle	1	1	0.07	0.01
COOK4	LGOCZ10	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ10	ROB	1_CK_Griddle	1	1	0.02	0.03
COOK4	MSCCZ10	ROB	2_CK_GriddleHE	2	1	0	0.03
COOK4	REFCZ10	ROB	1_CK_Griddle	1	1	0.03	0
COOK4	REFCZ10	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RETCZ10	ROB	1_CK_Griddle	1	1	0.02	0.01
COOK4	RETCZ10	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RSTCZ10	ROB	1_CK_Griddle	1	1	0.55	0.39
COOK4	RSTCZ10	ROB	2_CK_GriddleHE	2	1	0	0.39
COOK4	SCHCZ10	ROB	1_CK_Griddle	1	1	0.05	0.02
COOK4	SCHCZ10	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	SMOCZ10	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ10	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ10	ROB	1_CK_Griddle	1	1	0.01	0
COOK4	WRHCZ10	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ10	ROB	1_CK_Oven	1	1	0.34	0.06
COOK3	COLCZ10	ROB	2_CK_CnvcOven	2	1	0.02	0.06
COOK3	GRCCZ10	ROB	1_CK_Oven	1	1	0.37	0.09
COOK3	GRCCZ10	ROB	2_CK_CnvcOven	2	1	0.03	0.09
COOK3	HLTCZ10	ROB	1_CK_Oven	1	1	0.44	0.02
COOK3	HLTCZ10	ROB	2_CK_CnvcOven	2	1	0.15	0.02
COOK3	LDGCZ10	ROB	1_CK_Oven	1	1	0.47	0.74
COOK3	LDGCZ10	ROB	2_CK_CnvcOven	2	1	0.01	0.74
COOK3	LGOCZ10	ROB	1_CK_Oven	1	1	0.02	0.01
COOK3	LGOCZ10	ROB	2_CK_CnvcOven	2	1	0.03	0.01
COOK3	MSCCZ10	ROB	1_CK_Oven	1	1	0.05	0.08

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	MSCCZ10	ROB	2_CK_CnvcOven	2	1	0	0.08
COOK3	REFCZ10	ROB	1_CK_Oven	1	1	0.03	0.02
COOK3	REFCZ10	ROB	2_CK_CnvcOven	2	1	0	0.02
COOK3	RETCZ10	ROB	1_CK_Oven	1	1	0.02	0.03
COOK3	RETCZ10	ROB	2_CK_CnvcOven	2	1	0.02	0.03
COOK3	RSTCZ10	ROB	1_CK_Oven	1	1	0.27	0.47
COOK3	RSTCZ10	ROB	2_CK_CnvcOven	2	1	0.12	0.47
COOK3	SCHCZ10	ROB	1_CK_Oven	1	1	0.3	0.05
COOK3	SCHCZ10	ROB	2_CK_CnvcOven	2	1	0.13	0.05
COOK3	SMOCZ10	ROB	1_CK_Oven	1	1	0.08	0.2
COOK3	SMOCZ10	ROB	2_CK_CnvcOven	2	1	0	0.2
COOK3	WRHCZ10	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ10	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ10	ROB	1_CK_PzOven	1	1	0.08	0.03
COOK2	COLCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	GRCCZ10	ROB	1_CK_PzOven	1	1	0.04	0.1
COOK2	GRCCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.1
COOK2	HLTCZ10	ROB	1_CK_PzOven	1	1	0	0
COOK2	HLTCZ10	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LDGCZ10	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LDGCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	LGOZ10	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LGOZ10	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	MSCCZ10	ROB	1_CK_PzOven	1	1	0	0.03
COOK2	MSCCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	REFCZ10	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ10	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ10	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	RETCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	RSTCZ10	ROB	1_CK_PzOven	1	1	0.1	0.8
COOK2	RSTCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.8
COOK2	SCHCZ10	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	SCHCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ10	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ10	ROB	2_CK_CnveyrOven	2	1	0	0



SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	WRHCZ10	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ10	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ10	ROB	1_CK_GasFryer	1	1	0.12	0.05
COOK1	COLCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	GRCCZ10	ROB	1_CK_GasFryer	1	1	0.2	0.05
COOK1	GRCCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	HLTCZ10	ROB	1_CK_GasFryer	1	1	0.08	0.01
COOK1	HLTCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ10	ROB	1_CK_GasFryer	1	1	0.21	0.01
COOK1	LDGCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ10	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LGOCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	MSCCZ10	ROB	1_CK_GasFryer	1	1	0.01	0.05
COOK1	MSCCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	REFCZ10	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ10	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ10	ROB	1_CK_GasFryer	1	1	0.01	0.04
COOK1	RETCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.04
COOK1	RSTCZ10	ROB	1_CK_GasFryer	1	1	0.29	0.49
COOK1	RSTCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.49
COOK1	SCHCZ10	ROB	1_CK_GasFryer	1	1	0.19	0.03
COOK1	SCHCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	SMOCZ10	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ10	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ10	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ10	ROB	2_CK_GasFryerIF	2	1	0	0
WATER3	COLCZ10	RET	2_WH_CircTimer	1	0.29	0	0.02
WATER3	GRCCZ10	RET	2_WH_CircTimer	1	0.08	0	0.03
WATER3	HLTCZ10	RET	2_WH_CircTimer	1	0.21	0.01	0.05
WATER3	LDGCZ10	RET	2_WH_CircTimer	1	0.13	0	0.06
WATER3	LGOCZ10	RET	2_WH_CircTimer	1	0.26	0.01	0.01
WATER3	MSCCZ10	RET	2_WH_CircTimer	1	0.01	0	0.04
WATER3	REFCZ10	RET	2_WH_CircTimer	1	0	0	0
WATER3	RETCZ10	RET	2_WH_CircTimer	1	0.01	0	0.02
WATER3	RSTCZ10	RET	2_WH_CircTimer	1	0.09	0.01	0.21

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER3	SCHCZ10	RET	2_WH_CircTimer	1	0.16	0.09	0.04
WATER3	SMOCZ10	RET	2_WH_CircTimer	1	0	0	0.19
WATER3	WRHCZ10	RET	2_WH_CircTimer	1	0	0	0
WATER2	COLCZ10	ROB	1_WH_Storage	1	1	0.31	0.03
WATER2	COLCZ10	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	COLCZ10	ROB	3_WH_Instant	3	1	0.02	0.03
WATER2	GRCCZ10	ROB	1_WH_Storage	1	1	0.25	0.18
WATER2	GRCCZ10	ROB	2_WH_StorageHE	2	1	0	0.18
WATER2	GRCCZ10	ROB	3_WH_Instant	3	1	0	0.18
WATER2	HLTCZ10	ROB	1_WH_Storage	1	1	0.2	0.09
WATER2	HLTCZ10	ROB	2_WH_StorageHE	2	1	0.01	0.09
WATER2	HLTCZ10	ROB	3_WH_Instant	3	1	0.26	0.09
WATER2	LDGCZ10	ROB	1_WH_Storage	1	1	0.27	0.57
WATER2	LDGCZ10	ROB	2_WH_StorageHE	2	1	0	0.57
WATER2	LDGCZ10	ROB	3_WH_Instant	3	1	0	0.57
WATER2	LGOCZ10	ROB	1_WH_Storage	1	1	0.23	0.04
WATER2	LGOCZ10	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	LGOCZ10	ROB	3_WH_Instant	3	1	0	0.04
WATER2	MSCCZ10	ROB	1_WH_Storage	1	1	0.09	0.13
WATER2	MSCCZ10	ROB	2_WH_StorageHE	2	1	0	0.13
WATER2	MSCCZ10	ROB	3_WH_Instant	3	1	0	0.13
WATER2	REFCZ10	ROB	1_WH_Storage	1	1	0.15	0.03
WATER2	REFCZ10	ROB	2_WH_StorageHE	2	1	0.21	0.03
WATER2	REFCZ10	ROB	3_WH_Instant	3	1	0	0.03
WATER2	RETCZ10	ROB	1_WH_Storage	1	1	0.27	0.1
WATER2	RETCZ10	ROB	2_WH_StorageHE	2	1	0.02	0.1
WATER2	RETCZ10	ROB	3_WH_Instant	3	1	0	0.1
WATER2	RSTCZ10	ROB	1_WH_Storage	1	1	0.51	0.41
WATER2	RSTCZ10	ROB	2_WH_StorageHE	2	1	0	0.41
WATER2	RSTCZ10	ROB	3_WH_Instant	3	1	0	0.41
WATER2	SCHCZ10	ROB	1_WH_Storage	1	1	0.62	0.06
WATER2	SCHCZ10	ROB	2_WH_StorageHE	2	1	0.07	0.06
WATER2	SCHCZ10	ROB	3_WH_Instant	3	1	0	0.06
WATER2	SMOCZ10	ROB	1_WH_Storage	1	1	0.19	0.44
WATER2	SMOCZ10	ROB	2_WH_StorageHE	2	1	0	0.44

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	SMOCZ10	ROB	3_WH_Instant	3	1	0	0.44
WATER2	WRHCZ10	ROB	1_WH_Storage	1	1	0.3	0.03
WATER2	WRHCZ10	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ10	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ10	NEW	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ10	ROB	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ10	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ10	NEW	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	HLTCZ10	ROB	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ10	NEW	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LDGCZ10	ROB	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LGOZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ10	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ10	NEW	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	MSCCZ10	ROB	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	REFCZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ10	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ10	ROB	1_WH_GasComm	1	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	RETCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ10	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ10	NEW	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ10	ROB	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ10	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ10	NEW	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0.14
WATER1	WRHCZ10	ROB	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0.14

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	COLCZ13	ROB	1_CK_Griddle	1	1	0.19	0.01
COOK4	COLCZ13	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ13	ROB	1_CK_Griddle	1	1	0.05	0.2
COOK4	GRCCZ13	ROB	2_CK_GriddleHE	2	1	0	0.2
COOK4	HLTCZ13	ROB	1_CK_Griddle	1	1	0.3	0.02
COOK4	HLTCZ13	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LDGCZ13	ROB	1_CK_Griddle	1	1	0.27	0.01
COOK4	LDGCZ13	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LGOCZ13	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	LGOCZ13	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ13	ROB	1_CK_Griddle	1	1	0.09	0.04
COOK4	MSCCZ13	ROB	2_CK_GriddleHE	2	1	0	0.04
COOK4	REFCZ13	ROB	1_CK_Griddle	1	1	0.06	0.01
COOK4	REFCZ13	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RETCZ13	ROB	1_CK_Griddle	1	1	0	0
COOK4	RETCZ13	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RSTCZ13	ROB	1_CK_Griddle	1	1	0.24	0.29
COOK4	RSTCZ13	ROB	2_CK_GriddleHE	2	1	0	0.29
COOK4	SCHCZ13	ROB	1_CK_Griddle	1	1	0.14	0.01
COOK4	SCHCZ13	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	SMOCZ13	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ13	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ13	ROB	1_CK_Griddle	1	1	0	0
COOK4	WRHCZ13	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ13	ROB	1_CK_Oven	1	1	0.2	0.04
COOK3	COLCZ13	ROB	2_CK_CnvcOven	2	1	0.07	0.04
COOK3	GRCCZ13	ROB	1_CK_Oven	1	1	0.12	0.1
COOK3	GRCCZ13	ROB	2_CK_CnvcOven	2	1	0.07	0.1
COOK3	HLTCZ13	ROB	1_CK_Oven	1	1	0.34	0.03
COOK3	HLTCZ13	ROB	2_CK_CnvcOven	2	1	0.09	0.03
COOK3	LDGCZ13	ROB	1_CK_Oven	1	1	0.4	0.07
COOK3	LDGCZ13	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	LGOCZ13	ROB	1_CK_Oven	1	1	0.05	0.01
COOK3	LGOCZ13	ROB	2_CK_CnvcOven	2	1	0	0.01
COOK3	MSCCZ13	ROB	1_CK_Oven	1	1	0.09	0.07

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	MSCCZ13	ROB	2_CK_CnvcOven	2	1	0.04	0.07
COOK3	REFCZ13	ROB	1_CK_Oven	1	1	0.11	0.06
COOK3	REFCZ13	ROB	2_CK_CnvcOven	2	1	0	0.06
COOK3	RETCZ13	ROB	1_CK_Oven	1	1	0.03	0.03
COOK3	RETCZ13	ROB	2_CK_CnvcOven	2	1	0.01	0.03
COOK3	RSTCZ13	ROB	1_CK_Oven	1	1	0.3	0.66
COOK3	RSTCZ13	ROB	2_CK_CnvcOven	2	1	0.05	0.66
COOK3	SCHCZ13	ROB	1_CK_Oven	1	1	0.3	0.04
COOK3	SCHCZ13	ROB	2_CK_CnvcOven	2	1	0.23	0.04
COOK3	SMOCZ13	ROB	1_CK_Oven	1	1	0	0
COOK3	SMOCZ13	ROB	2_CK_CnvcOven	2	1	0	0
COOK3	WRHCZ13	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ13	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ13	ROB	1_CK_PzOven	1	1	0.07	0.01
COOK2	COLCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	GRCCZ13	ROB	1_CK_PzOven	1	1	0.14	0.04
COOK2	GRCCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.04
COOK2	HLTCZ13	ROB	1_CK_PzOven	1	1	0.02	0.06
COOK2	HLTCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.06
COOK2	LDGCZ13	ROB	1_CK_PzOven	1	1	0.17	0
COOK2	LDGCZ13	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LGOZ13	ROB	1_CK_PzOven	1	1	0	0
COOK2	LGOZ13	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	MSCCZ13	ROB	1_CK_PzOven	1	1	0	0.09
COOK2	MSCCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.09
COOK2	REFCZ13	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ13	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ13	ROB	1_CK_PzOven	1	1	0.01	0.02
COOK2	RETCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.02
COOK2	RSTCZ13	ROB	1_CK_PzOven	1	1	0.21	0.46
COOK2	RSTCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.46
COOK2	SCHCZ13	ROB	1_CK_PzOven	1	1	0.12	0.01
COOK2	SCHCZ13	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ13	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ13	ROB	2_CK_CnveyrOven	2	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	WRHCZ13	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ13	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ13	ROB	1_CK_GasFryer	1	1	0	0
COOK1	COLCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	GRCCZ13	ROB	1_CK_GasFryer	1	1	0.02	0.12
COOK1	GRCCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.12
COOK1	HLTCZ13	ROB	1_CK_GasFryer	1	1	0.07	0.01
COOK1	HLTCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ13	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LDGCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ13	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	LGOCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	MSCCZ13	ROB	1_CK_GasFryer	1	1	0.01	0.03
COOK1	MSCCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	REFCZ13	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ13	ROB	1_CK_GasFryer	1	1	0.01	0
COOK1	RETCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RSTCZ13	ROB	1_CK_GasFryer	1	1	0.17	0.53
COOK1	RSTCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.53
COOK1	SCHCZ13	ROB	1_CK_GasFryer	1	1	0.01	0.01
COOK1	SCHCZ13	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	SMOCZ13	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ13	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ13	ROB	2_CK_GasFryerIF	2	1	0	0
WATER3	COLCZ13	RET	2_WH_CircTimer	1	0.16	0	0.03
WATER3	GRCCZ13	RET	2_WH_CircTimer	1	0	0	0
WATER3	HLTCZ13	RET	2_WH_CircTimer	1	0.04	0	0.03
WATER3	LDGCZ13	RET	2_WH_CircTimer	1	0.18	0	0.04
WATER3	LGOCZ13	RET	2_WH_CircTimer	1	0.09	0.04	0.01
WATER3	MSCCZ13	RET	2_WH_CircTimer	1	0.02	0	0.05
WATER3	REFCZ13	RET	2_WH_CircTimer	1	0.02	0	0.02
WATER3	RETCZ13	RET	2_WH_CircTimer	1	0.02	0.01	0.01
WATER3	RSTCZ13	RET	2_WH_CircTimer	1	0.09	0	0.18

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER3	SCHCZ13	RET	2_WH_CircTimer	1	0.2	0	0.04
WATER3	SMOCZ13	RET	2_WH_CircTimer	1	0.01	0	0.15
WATER3	WRHCZ13	RET	2_WH_CircTimer	1	0.01	0	0.07
WATER2	COLCZ13	ROB	1_WH_Storage	1	1	0.4	0.04
WATER2	COLCZ13	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	COLCZ13	ROB	3_WH_Instant	3	1	0	0.04
WATER2	GRCCZ13	ROB	1_WH_Storage	1	1	0.29	0.27
WATER2	GRCCZ13	ROB	2_WH_StorageHE	2	1	0	0.27
WATER2	GRCCZ13	ROB	3_WH_Instant	3	1	0	0.27
WATER2	HLTCZ13	ROB	1_WH_Storage	1	1	0.25	0.12
WATER2	HLTCZ13	ROB	2_WH_StorageHE	2	1	0	0.12
WATER2	HLTCZ13	ROB	3_WH_Instant	3	1	0	0.12
WATER2	LDGCZ13	ROB	1_WH_Storage	1	1	0.04	0.14
WATER2	LDGCZ13	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	LDGCZ13	ROB	3_WH_Instant	3	1	0	0.14
WATER2	LGOCZ13	ROB	1_WH_Storage	1	1	0.22	0.05
WATER2	LGOCZ13	ROB	2_WH_StorageHE	2	1	0	0.05
WATER2	LGOCZ13	ROB	3_WH_Instant	3	1	0	0.05
WATER2	MSCCZ13	ROB	1_WH_Storage	1	1	0.22	0.14
WATER2	MSCCZ13	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	MSCCZ13	ROB	3_WH_Instant	3	1	0.01	0.14
WATER2	REFCZ13	ROB	1_WH_Storage	1	1	0.21	0.02
WATER2	REFCZ13	ROB	2_WH_StorageHE	2	1	0	0.02
WATER2	REFCZ13	ROB	3_WH_Instant	3	1	0.04	0.02
WATER2	RETCZ13	ROB	1_WH_Storage	1	1	0.23	0.14
WATER2	RETCZ13	ROB	2_WH_StorageHE	2	1	0	0.14
WATER2	RETCZ13	ROB	3_WH_Instant	3	1	0	0.14
WATER2	RSTCZ13	ROB	1_WH_Storage	1	1	0.52	0.45
WATER2	RSTCZ13	ROB	2_WH_StorageHE	2	1	0	0.45
WATER2	RSTCZ13	ROB	3_WH_Instant	3	1	0.03	0.45
WATER2	SCHCZ13	ROB	1_WH_Storage	1	1	0.72	0.08
WATER2	SCHCZ13	ROB	2_WH_StorageHE	2	1	0	0.08
WATER2	SCHCZ13	ROB	3_WH_Instant	3	1	0.02	0.08
WATER2	SMOCZ13	ROB	1_WH_Storage	1	1	0.25	0.28
WATER2	SMOCZ13	ROB	2_WH_StorageHE	2	1	0	0.28



SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	SMOCZ13	ROB	3_WH_Instant	3	1	0	0.28
WATER2	WRHCZ13	ROB	1_WH_Storage	1	1	0.37	0.03
WATER2	WRHCZ13	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ13	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ13	NEW	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ13	ROB	1_WH_GasComm	1	1	0.03	0
WATER1	COLCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ13	NEW	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	HLTCZ13	ROB	1_WH_GasComm	1	1	0.16	0.05
WATER1	HLTCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0.05
WATER1	LDGCZ13	NEW	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ13	ROB	1_WH_GasComm	1	1	0.22	0.03
WATER1	LDGCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LGOZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ13	NEW	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	MSCCZ13	ROB	1_WH_GasComm	1	1	0.02	0.24
WATER1	MSCCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0.24
WATER1	REFCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ13	ROB	1_WH_GasComm	1	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	RETCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	SCHCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ13	NEW	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ13	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ13	ROB	1_WH_GasComm	1	1	0	0
WATER1	WRHCZ13	ROB	2_WH_GasHorzAxis	2	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	COLCZ14	ROB	1_CK_Griddle	1	1	0.22	0.01
COOK4	COLCZ14	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ14	ROB	1_CK_Griddle	1	1	0.1	0.11
COOK4	GRCCZ14	ROB	2_CK_GriddleHE	2	1	0	0.11
COOK4	HLTCZ14	ROB	1_CK_Griddle	1	1	0.46	0.01
COOK4	HLTCZ14	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LDGCZ14	ROB	1_CK_Griddle	1	1	0.29	0.02
COOK4	LDGCZ14	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LGOCZ14	ROB	1_CK_Griddle	1	1	0.07	0.01
COOK4	LGOCZ14	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ14	ROB	1_CK_Griddle	1	1	0.02	0.03
COOK4	MSCCZ14	ROB	2_CK_GriddleHE	2	1	0	0.03
COOK4	REFCZ14	ROB	1_CK_Griddle	1	1	0.03	0
COOK4	REFCZ14	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RETCZ14	ROB	1_CK_Griddle	1	1	0.02	0.01
COOK4	RETCZ14	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RSTCZ14	ROB	1_CK_Griddle	1	1	0.55	0.39
COOK4	RSTCZ14	ROB	2_CK_GriddleHE	2	1	0	0.39
COOK4	SCHCZ14	ROB	1_CK_Griddle	1	1	0.05	0.02
COOK4	SCHCZ14	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	SMOCZ14	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ14	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ14	ROB	1_CK_Griddle	1	1	0.01	0
COOK4	WRHCZ14	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ14	ROB	1_CK_Oven	1	1	0.34	0.06
COOK3	COLCZ14	ROB	2_CK_CnvcOven	2	1	0.02	0.06
COOK3	GRCCZ14	ROB	1_CK_Oven	1	1	0.37	0.09
COOK3	GRCCZ14	ROB	2_CK_CnvcOven	2	1	0.03	0.09
COOK3	HLTCZ14	ROB	1_CK_Oven	1	1	0.44	0.02
COOK3	HLTCZ14	ROB	2_CK_CnvcOven	2	1	0.15	0.02
COOK3	LDGCZ14	ROB	1_CK_Oven	1	1	0.47	0.74
COOK3	LDGCZ14	ROB	2_CK_CnvcOven	2	1	0.01	0.74
COOK3	LGOCZ14	ROB	1_CK_Oven	1	1	0.02	0.01
COOK3	LGOCZ14	ROB	2_CK_CnvcOven	2	1	0.03	0.01
COOK3	MSCCZ14	ROB	1_CK_Oven	1	1	0.05	0.08

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	MSCCZ14	ROB	2_CK_CnvcOven	2	1	0	0.08
COOK3	REFCZ14	ROB	1_CK_Oven	1	1	0.03	0.02
COOK3	REFCZ14	ROB	2_CK_CnvcOven	2	1	0	0.02
COOK3	RETCZ14	ROB	1_CK_Oven	1	1	0.02	0.03
COOK3	RETCZ14	ROB	2_CK_CnvcOven	2	1	0.02	0.03
COOK3	RSTCZ14	ROB	1_CK_Oven	1	1	0.27	0.47
COOK3	RSTCZ14	ROB	2_CK_CnvcOven	2	1	0.12	0.47
COOK3	SCHCZ14	ROB	1_CK_Oven	1	1	0.3	0.05
COOK3	SCHCZ14	ROB	2_CK_CnvcOven	2	1	0.13	0.05
COOK3	SMOCZ14	ROB	1_CK_Oven	1	1	0.08	0.2
COOK3	SMOCZ14	ROB	2_CK_CnvcOven	2	1	0	0.2
COOK3	WRHCZ14	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ14	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ14	ROB	1_CK_PzOven	1	1	0.08	0.03
COOK2	COLCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	GRCCZ14	ROB	1_CK_PzOven	1	1	0.04	0.1
COOK2	GRCCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.1
COOK2	HLTCZ14	ROB	1_CK_PzOven	1	1	0	0
COOK2	HLTCZ14	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LDGCZ14	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LDGCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	LGOZ14	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LGOZ14	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	MSCCZ14	ROB	1_CK_PzOven	1	1	0	0.03
COOK2	MSCCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	REFCZ14	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ14	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ14	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	RETCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	RSTCZ14	ROB	1_CK_PzOven	1	1	0.1	0.8
COOK2	RSTCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.8
COOK2	SCHCZ14	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	SCHCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ14	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ14	ROB	2_CK_CnveyrOven	2	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	WRHCZ14	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ14	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ14	ROB	1_CK_GasFryer	1	1	0.12	0.05
COOK1	COLCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	GRCCZ14	ROB	1_CK_GasFryer	1	1	0.2	0.05
COOK1	GRCCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	HLTCZ14	ROB	1_CK_GasFryer	1	1	0.08	0.01
COOK1	HLTCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ14	ROB	1_CK_GasFryer	1	1	0.21	0.01
COOK1	LDGCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ14	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LGOCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	MSCCZ14	ROB	1_CK_GasFryer	1	1	0.01	0.05
COOK1	MSCCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	REFCZ14	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ14	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ14	ROB	1_CK_GasFryer	1	1	0.01	0.04
COOK1	RETCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.04
COOK1	RSTCZ14	ROB	1_CK_GasFryer	1	1	0.29	0.49
COOK1	RSTCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.49
COOK1	SCHCZ14	ROB	1_CK_GasFryer	1	1	0.19	0.03
COOK1	SCHCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	SMOCZ14	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ14	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ14	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ14	ROB	2_CK_GasFryerIF	2	1	0	0
WATER3	COLCZ14	RET	2_WH_CircTimer	1	0.29	0	0.02
WATER3	GRCCZ14	RET	2_WH_CircTimer	1	0.08	0	0.03
WATER3	HLTCZ14	RET	2_WH_CircTimer	1	0.21	0.01	0.05
WATER3	LDGCZ14	RET	2_WH_CircTimer	1	0.13	0	0.06
WATER3	LGOCZ14	RET	2_WH_CircTimer	1	0.26	0.01	0.01
WATER3	MSCCZ14	RET	2_WH_CircTimer	1	0.01	0	0.04
WATER3	REFCZ14	RET	2_WH_CircTimer	1	0	0	0
WATER3	RETCZ14	RET	2_WH_CircTimer	1	0.01	0	0.02
WATER3	RSTCZ14	RET	2_WH_CircTimer	1	0.09	0.01	0.21

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER3	SCHCZ14	RET	2_WH_CircTimer	1	0.16	0.09	0.04
WATER3	SMOCZ14	RET	2_WH_CircTimer	1	0	0	0.19
WATER3	WRHCZ14	RET	2_WH_CircTimer	1	0	0	0
WATER2	COLCZ14	ROB	1_WH_Storage	1	1	0.31	0.03
WATER2	COLCZ14	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	COLCZ14	ROB	3_WH_Instant	3	1	0.02	0.03
WATER2	GRCCZ14	ROB	1_WH_Storage	1	1	0.25	0.18
WATER2	GRCCZ14	ROB	2_WH_StorageHE	2	1	0	0.18
WATER2	GRCCZ14	ROB	3_WH_Instant	3	1	0	0.18
WATER2	HLTCZ14	ROB	1_WH_Storage	1	1	0.2	0.09
WATER2	HLTCZ14	ROB	2_WH_StorageHE	2	1	0.01	0.09
WATER2	HLTCZ14	ROB	3_WH_Instant	3	1	0.26	0.09
WATER2	LDGCZ14	ROB	1_WH_Storage	1	1	0.27	0.57
WATER2	LDGCZ14	ROB	2_WH_StorageHE	2	1	0	0.57
WATER2	LDGCZ14	ROB	3_WH_Instant	3	1	0	0.57
WATER2	LGOCZ14	ROB	1_WH_Storage	1	1	0.23	0.04
WATER2	LGOCZ14	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	LGOCZ14	ROB	3_WH_Instant	3	1	0	0.04
WATER2	MSCCZ14	ROB	1_WH_Storage	1	1	0.09	0.13
WATER2	MSCCZ14	ROB	2_WH_StorageHE	2	1	0	0.13
WATER2	MSCCZ14	ROB	3_WH_Instant	3	1	0	0.13
WATER2	REFCZ14	ROB	1_WH_Storage	1	1	0.15	0.03
WATER2	REFCZ14	ROB	2_WH_StorageHE	2	1	0.21	0.03
WATER2	REFCZ14	ROB	3_WH_Instant	3	1	0	0.03
WATER2	RETCZ14	ROB	1_WH_Storage	1	1	0.27	0.1
WATER2	RETCZ14	ROB	2_WH_StorageHE	2	1	0.02	0.1
WATER2	RETCZ14	ROB	3_WH_Instant	3	1	0	0.1
WATER2	RSTCZ14	ROB	1_WH_Storage	1	1	0.51	0.41
WATER2	RSTCZ14	ROB	2_WH_StorageHE	2	1	0	0.41
WATER2	RSTCZ14	ROB	3_WH_Instant	3	1	0	0.41
WATER2	SCHCZ14	ROB	1_WH_Storage	1	1	0.62	0.06
WATER2	SCHCZ14	ROB	2_WH_StorageHE	2	1	0.07	0.06
WATER2	SCHCZ14	ROB	3_WH_Instant	3	1	0	0.06
WATER2	SMOCZ14	ROB	1_WH_Storage	1	1	0.19	0.44
WATER2	SMOCZ14	ROB	2_WH_StorageHE	2	1	0	0.44

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	SMOCZ14	ROB	3_WH_Instant	3	1	0	0.44
WATER2	WRHCZ14	ROB	1_WH_Storage	1	1	0.3	0.03
WATER2	WRHCZ14	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ14	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ14	NEW	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ14	ROB	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ14	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ14	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ14	NEW	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	HLTCZ14	ROB	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ14	NEW	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LDGCZ14	ROB	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LGOZ14	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ14	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ14	NEW	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	MSCCZ14	ROB	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	REFCZ14	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ14	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ14	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ14	ROB	1_WH_GasComm	1	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	RETCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ14	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ14	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ14	NEW	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ14	ROB	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ14	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ14	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ14	NEW	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0.14
WATER1	WRHCZ14	ROB	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0.14



SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	COLCZ15	ROB	1_CK_Griddle	1	1	0.22	0.01
COOK4	COLCZ15	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ15	ROB	1_CK_Griddle	1	1	0.1	0.11
COOK4	GRCCZ15	ROB	2_CK_GriddleHE	2	1	0	0.11
COOK4	HLTCZ15	ROB	1_CK_Griddle	1	1	0.46	0.01
COOK4	HLTCZ15	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LDGCZ15	ROB	1_CK_Griddle	1	1	0.29	0.02
COOK4	LDGCZ15	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LGOCZ15	ROB	1_CK_Griddle	1	1	0.07	0.01
COOK4	LGOCZ15	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ15	ROB	1_CK_Griddle	1	1	0.02	0.03
COOK4	MSCCZ15	ROB	2_CK_GriddleHE	2	1	0	0.03
COOK4	REFCZ15	ROB	1_CK_Griddle	1	1	0.03	0
COOK4	REFCZ15	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RETCZ15	ROB	1_CK_Griddle	1	1	0.02	0.01
COOK4	RETCZ15	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RSTCZ15	ROB	1_CK_Griddle	1	1	0.55	0.39
COOK4	RSTCZ15	ROB	2_CK_GriddleHE	2	1	0	0.39
COOK4	SCHCZ15	ROB	1_CK_Griddle	1	1	0.05	0.02
COOK4	SCHCZ15	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	SMOCZ15	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ15	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ15	ROB	1_CK_Griddle	1	1	0.01	0
COOK4	WRHCZ15	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ15	ROB	1_CK_Oven	1	1	0.34	0.06
COOK3	COLCZ15	ROB	2_CK_CnvcOven	2	1	0.02	0.06
COOK3	GRCCZ15	ROB	1_CK_Oven	1	1	0.37	0.09
COOK3	GRCCZ15	ROB	2_CK_CnvcOven	2	1	0.03	0.09
COOK3	HLTCZ15	ROB	1_CK_Oven	1	1	0.44	0.02
COOK3	HLTCZ15	ROB	2_CK_CnvcOven	2	1	0.15	0.02
COOK3	LDGCZ15	ROB	1_CK_Oven	1	1	0.47	0.74
COOK3	LDGCZ15	ROB	2_CK_CnvcOven	2	1	0.01	0.74
COOK3	LGOCZ15	ROB	1_CK_Oven	1	1	0.02	0.01
COOK3	LGOCZ15	ROB	2_CK_CnvcOven	2	1	0.03	0.01
COOK3	MSCCZ15	ROB	1_CK_Oven	1	1	0.05	0.08

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	MSCCZ15	ROB	2_CK_CnvcOven	2	1	0	0.08
COOK3	REFCZ15	ROB	1_CK_Oven	1	1	0.03	0.02
COOK3	REFCZ15	ROB	2_CK_CnvcOven	2	1	0	0.02
COOK3	RETCZ15	ROB	1_CK_Oven	1	1	0.02	0.03
COOK3	RETCZ15	ROB	2_CK_CnvcOven	2	1	0.02	0.03
COOK3	RSTCZ15	ROB	1_CK_Oven	1	1	0.27	0.47
COOK3	RSTCZ15	ROB	2_CK_CnvcOven	2	1	0.12	0.47
COOK3	SCHCZ15	ROB	1_CK_Oven	1	1	0.3	0.05
COOK3	SCHCZ15	ROB	2_CK_CnvcOven	2	1	0.13	0.05
COOK3	SMOCZ15	ROB	1_CK_Oven	1	1	0.08	0.2
COOK3	SMOCZ15	ROB	2_CK_CnvcOven	2	1	0	0.2
COOK3	WRHCZ15	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ15	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ15	ROB	1_CK_PzOven	1	1	0.08	0.03
COOK2	COLCZ15	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	GRCCZ15	ROB	1_CK_PzOven	1	1	0.04	0.1
COOK2	GRCCZ15	ROB	2_CK_CnveyrOven	2	1	0	0.1
COOK2	HLTCZ15	ROB	1_CK_PzOven	1	1	0	0
COOK2	HLTCZ15	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LDGCZ15	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LDGCZ15	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	LGOCZ15	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LGOCZ15	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	MSCCZ15	ROB	1_CK_PzOven	1	1	0	0.03
COOK2	MSCCZ15	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	REFCZ15	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ15	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ15	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	RETCZ15	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	RSTCZ15	ROB	1_CK_PzOven	1	1	0.1	0.8
COOK2	RSTCZ15	ROB	2_CK_CnveyrOven	2	1	0	0.8
COOK2	SCHCZ15	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	SCHCZ15	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ15	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ15	ROB	2_CK_CnveyrOven	2	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	WRHCZ15	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ15	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ15	ROB	1_CK_GasFryer	1	1	0.12	0.05
COOK1	COLCZ15	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	GRCCZ15	ROB	1_CK_GasFryer	1	1	0.2	0.05
COOK1	GRCCZ15	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	HLTCZ15	ROB	1_CK_GasFryer	1	1	0.08	0.01
COOK1	HLTCZ15	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ15	ROB	1_CK_GasFryer	1	1	0.21	0.01
COOK1	LDGCZ15	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ15	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LGOCZ15	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	MSCCZ15	ROB	1_CK_GasFryer	1	1	0.01	0.05
COOK1	MSCCZ15	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	REFCZ15	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ15	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ15	ROB	1_CK_GasFryer	1	1	0.01	0.04
COOK1	RETCZ15	ROB	2_CK_GasFryerIF	2	1	0	0.04
COOK1	RSTCZ15	ROB	1_CK_GasFryer	1	1	0.29	0.49
COOK1	RSTCZ15	ROB	2_CK_GasFryerIF	2	1	0	0.49
COOK1	SCHCZ15	ROB	1_CK_GasFryer	1	1	0.19	0.03
COOK1	SCHCZ15	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	SMOCZ15	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ15	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ15	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ15	ROB	2_CK_GasFryerIF	2	1	0	0
WATER3	COLCZ15	RET	2_WH_CircTimer	1	0.29	0	0.02
WATER3	GRCCZ15	RET	2_WH_CircTimer	1	0.08	0	0.03
WATER3	HLTCZ15	RET	2_WH_CircTimer	1	0.21	0.01	0.05
WATER3	LDGCZ15	RET	2_WH_CircTimer	1	0.13	0	0.06
WATER3	LGOCZ15	RET	2_WH_CircTimer	1	0.26	0.01	0.01
WATER3	MSCCZ15	RET	2_WH_CircTimer	1	0.01	0	0.04
WATER3	REFCZ15	RET	2_WH_CircTimer	1	0	0	0
WATER3	RETCZ15	RET	2_WH_CircTimer	1	0.01	0	0.02
WATER3	RSTCZ15	RET	2_WH_CircTimer	1	0.09	0.01	0.21

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER3	SCHCZ15	RET	2_WH_CircTimer	1	0.16	0.09	0.04
WATER3	SMOCZ15	RET	2_WH_CircTimer	1	0	0	0.19
WATER3	WRHCZ15	RET	2_WH_CircTimer	1	0	0	0
WATER2	COLCZ15	ROB	1_WH_Storage	1	1	0.31	0.03
WATER2	COLCZ15	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	COLCZ15	ROB	3_WH_Instant	3	1	0.02	0.03
WATER2	GRCCZ15	ROB	1_WH_Storage	1	1	0.25	0.18
WATER2	GRCCZ15	ROB	2_WH_StorageHE	2	1	0	0.18
WATER2	GRCCZ15	ROB	3_WH_Instant	3	1	0	0.18
WATER2	HLTCZ15	ROB	1_WH_Storage	1	1	0.2	0.09
WATER2	HLTCZ15	ROB	2_WH_StorageHE	2	1	0.01	0.09
WATER2	HLTCZ15	ROB	3_WH_Instant	3	1	0.26	0.09
WATER2	LDGCZ15	ROB	1_WH_Storage	1	1	0.27	0.57
WATER2	LDGCZ15	ROB	2_WH_StorageHE	2	1	0	0.57
WATER2	LDGCZ15	ROB	3_WH_Instant	3	1	0	0.57
WATER2	LGOCZ15	ROB	1_WH_Storage	1	1	0.23	0.04
WATER2	LGOCZ15	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	LGOCZ15	ROB	3_WH_Instant	3	1	0	0.04
WATER2	MSCCZ15	ROB	1_WH_Storage	1	1	0.09	0.13
WATER2	MSCCZ15	ROB	2_WH_StorageHE	2	1	0	0.13
WATER2	MSCCZ15	ROB	3_WH_Instant	3	1	0	0.13
WATER2	REFCZ15	ROB	1_WH_Storage	1	1	0.15	0.03
WATER2	REFCZ15	ROB	2_WH_StorageHE	2	1	0.21	0.03
WATER2	REFCZ15	ROB	3_WH_Instant	3	1	0	0.03
WATER2	RETCZ15	ROB	1_WH_Storage	1	1	0.27	0.1
WATER2	RETCZ15	ROB	2_WH_StorageHE	2	1	0.02	0.1
WATER2	RETCZ15	ROB	3_WH_Instant	3	1	0	0.1
WATER2	RSTCZ15	ROB	1_WH_Storage	1	1	0.51	0.41
WATER2	RSTCZ15	ROB	2_WH_StorageHE	2	1	0	0.41
WATER2	RSTCZ15	ROB	3_WH_Instant	3	1	0	0.41
WATER2	SCHCZ15	ROB	1_WH_Storage	1	1	0.62	0.06
WATER2	SCHCZ15	ROB	2_WH_StorageHE	2	1	0.07	0.06
WATER2	SCHCZ15	ROB	3_WH_Instant	3	1	0	0.06
WATER2	SMOCZ15	ROB	1_WH_Storage	1	1	0.19	0.44
WATER2	SMOCZ15	ROB	2_WH_StorageHE	2	1	0	0.44

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	SMOCZ15	ROB	3_WH_Instan	3	1	0	0.44
WATER2	WRHCZ15	ROB	1_WH_Storage	1	1	0.3	0.03
WATER2	WRHCZ15	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ15	ROB	3_WH_Instan	3	1	0	0.03
WATER1	COLCZ15	NEW	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ15	ROB	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ15	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ15	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ15	NEW	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	HLTCZ15	ROB	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ15	NEW	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LDGCZ15	ROB	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LGOCZ15	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOCZ15	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ15	NEW	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	MSCCZ15	ROB	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	REFCZ15	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ15	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ15	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ15	ROB	1_WH_GasComm	1	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	RETCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ15	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ15	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ15	NEW	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ15	ROB	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ15	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ15	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ15	NEW	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ15	NEW	2_WH_GasHorzAxis	2	1	0	0.14
WATER1	WRHCZ15	ROB	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ15	ROB	2_WH_GasHorzAxis	2	1	0	0.14

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	COLCZ16	ROB	1_CK_Griddle	1	1	0.22	0.01
COOK4	COLCZ16	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ16	ROB	1_CK_Griddle	1	1	0.1	0.11
COOK4	GRCCZ16	ROB	2_CK_GriddleHE	2	1	0	0.11
COOK4	HLTCZ16	ROB	1_CK_Griddle	1	1	0.46	0.01
COOK4	HLTCZ16	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LDGCZ16	ROB	1_CK_Griddle	1	1	0.29	0.02
COOK4	LDGCZ16	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LGOCZ16	ROB	1_CK_Griddle	1	1	0.07	0.01
COOK4	LGOCZ16	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ16	ROB	1_CK_Griddle	1	1	0.02	0.03
COOK4	MSCCZ16	ROB	2_CK_GriddleHE	2	1	0	0.03
COOK4	REFCZ16	ROB	1_CK_Griddle	1	1	0.03	0
COOK4	REFCZ16	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RETCZ16	ROB	1_CK_Griddle	1	1	0.02	0.01
COOK4	RETCZ16	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RSTCZ16	ROB	1_CK_Griddle	1	1	0.55	0.39
COOK4	RSTCZ16	ROB	2_CK_GriddleHE	2	1	0	0.39
COOK4	SCHCZ16	ROB	1_CK_Griddle	1	1	0.05	0.02
COOK4	SCHCZ16	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	SMOCZ16	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ16	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ16	ROB	1_CK_Griddle	1	1	0.01	0
COOK4	WRHCZ16	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ16	ROB	1_CK_Oven	1	1	0.34	0.06
COOK3	COLCZ16	ROB	2_CK_CnvcOven	2	1	0.02	0.06
COOK3	GRCCZ16	ROB	1_CK_Oven	1	1	0.37	0.09
COOK3	GRCCZ16	ROB	2_CK_CnvcOven	2	1	0.03	0.09
COOK3	HLTCZ16	ROB	1_CK_Oven	1	1	0.44	0.02
COOK3	HLTCZ16	ROB	2_CK_CnvcOven	2	1	0.15	0.02
COOK3	LDGCZ16	ROB	1_CK_Oven	1	1	0.47	0.74
COOK3	LDGCZ16	ROB	2_CK_CnvcOven	2	1	0.01	0.74
COOK3	LGOCZ16	ROB	1_CK_Oven	1	1	0.02	0.01
COOK3	LGOCZ16	ROB	2_CK_CnvcOven	2	1	0.03	0.01
COOK3	MSCCZ16	ROB	1_CK_Oven	1	1	0.05	0.08

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	MSCCZ16	ROB	2_CK_CnvcOven	2	1	0	0.08
COOK3	REFCZ16	ROB	1_CK_Oven	1	1	0.03	0.02
COOK3	REFCZ16	ROB	2_CK_CnvcOven	2	1	0	0.02
COOK3	RETCZ16	ROB	1_CK_Oven	1	1	0.02	0.03
COOK3	RETCZ16	ROB	2_CK_CnvcOven	2	1	0.02	0.03
COOK3	RSTCZ16	ROB	1_CK_Oven	1	1	0.27	0.47
COOK3	RSTCZ16	ROB	2_CK_CnvcOven	2	1	0.12	0.47
COOK3	SCHCZ16	ROB	1_CK_Oven	1	1	0.3	0.05
COOK3	SCHCZ16	ROB	2_CK_CnvcOven	2	1	0.13	0.05
COOK3	SMOCZ16	ROB	1_CK_Oven	1	1	0.08	0.2
COOK3	SMOCZ16	ROB	2_CK_CnvcOven	2	1	0	0.2
COOK3	WRHCZ16	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ16	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ16	ROB	1_CK_PzOven	1	1	0.08	0.03
COOK2	COLCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	GRCCZ16	ROB	1_CK_PzOven	1	1	0.04	0.1
COOK2	GRCCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.1
COOK2	HLTCZ16	ROB	1_CK_PzOven	1	1	0	0
COOK2	HLTCZ16	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LDGCZ16	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LDGCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	LGOZ16	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LGOZ16	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	MSCCZ16	ROB	1_CK_PzOven	1	1	0	0.03
COOK2	MSCCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	REFCZ16	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ16	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ16	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	RETCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	RSTCZ16	ROB	1_CK_PzOven	1	1	0.1	0.8
COOK2	RSTCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.8
COOK2	SCHCZ16	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	SCHCZ16	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ16	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ16	ROB	2_CK_CnveyrOven	2	1	0	0



SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	WRHCZ16	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ16	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ16	ROB	1_CK_GasFryer	1	1	0.12	0.05
COOK1	COLCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	GRCCZ16	ROB	1_CK_GasFryer	1	1	0.2	0.05
COOK1	GRCCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	HLTCZ16	ROB	1_CK_GasFryer	1	1	0.08	0.01
COOK1	HLTCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ16	ROB	1_CK_GasFryer	1	1	0.21	0.01
COOK1	LDGCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ16	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LGOCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	MSCCZ16	ROB	1_CK_GasFryer	1	1	0.01	0.05
COOK1	MSCCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	REFCZ16	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ16	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ16	ROB	1_CK_GasFryer	1	1	0.01	0.04
COOK1	RETCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.04
COOK1	RSTCZ16	ROB	1_CK_GasFryer	1	1	0.29	0.49
COOK1	RSTCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.49
COOK1	SCHCZ16	ROB	1_CK_GasFryer	1	1	0.19	0.03
COOK1	SCHCZ16	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	SMOCZ16	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ16	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ16	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ16	ROB	2_CK_GasFryerIF	2	1	0	0
WATER3	COLCZ16	RET	2_WH_CircTimer	1	0.29	0	0.02
WATER3	GRCCZ16	RET	2_WH_CircTimer	1	0.08	0	0.03
WATER3	HLTCZ16	RET	2_WH_CircTimer	1	0.21	0.01	0.05
WATER3	LDGCZ16	RET	2_WH_CircTimer	1	0.13	0	0.06
WATER3	LGOCZ16	RET	2_WH_CircTimer	1	0.26	0.01	0.01
WATER3	MSCCZ16	RET	2_WH_CircTimer	1	0.01	0	0.04
WATER3	REFCZ16	RET	2_WH_CircTimer	1	0	0	0
WATER3	RETCZ16	RET	2_WH_CircTimer	1	0.01	0	0.02
WATER3	RSTCZ16	RET	2_WH_CircTimer	1	0.09	0.01	0.21

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER3	SCHCZ16	RET	2_WH_CircTimer	1	0.16	0.09	0.04
WATER3	SMOCZ16	RET	2_WH_CircTimer	1	0	0	0.19
WATER3	WRHCZ16	RET	2_WH_CircTimer	1	0	0	0
WATER2	COLCZ16	ROB	1_WH_Storage	1	1	0.31	0.03
WATER2	COLCZ16	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	COLCZ16	ROB	3_WH_Instant	3	1	0.02	0.03
WATER2	GRCCZ16	ROB	1_WH_Storage	1	1	0.25	0.18
WATER2	GRCCZ16	ROB	2_WH_StorageHE	2	1	0	0.18
WATER2	GRCCZ16	ROB	3_WH_Instant	3	1	0	0.18
WATER2	HLTCZ16	ROB	1_WH_Storage	1	1	0.2	0.09
WATER2	HLTCZ16	ROB	2_WH_StorageHE	2	1	0.01	0.09
WATER2	HLTCZ16	ROB	3_WH_Instant	3	1	0.26	0.09
WATER2	LDGCZ16	ROB	1_WH_Storage	1	1	0.27	0.57
WATER2	LDGCZ16	ROB	2_WH_StorageHE	2	1	0	0.57
WATER2	LDGCZ16	ROB	3_WH_Instant	3	1	0	0.57
WATER2	LGOCZ16	ROB	1_WH_Storage	1	1	0.23	0.04
WATER2	LGOCZ16	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	LGOCZ16	ROB	3_WH_Instant	3	1	0	0.04
WATER2	MSCCZ16	ROB	1_WH_Storage	1	1	0.09	0.13
WATER2	MSCCZ16	ROB	2_WH_StorageHE	2	1	0	0.13
WATER2	MSCCZ16	ROB	3_WH_Instant	3	1	0	0.13
WATER2	REFCZ16	ROB	1_WH_Storage	1	1	0.15	0.03
WATER2	REFCZ16	ROB	2_WH_StorageHE	2	1	0.21	0.03
WATER2	REFCZ16	ROB	3_WH_Instant	3	1	0	0.03
WATER2	RETCZ16	ROB	1_WH_Storage	1	1	0.27	0.1
WATER2	RETCZ16	ROB	2_WH_StorageHE	2	1	0.02	0.1
WATER2	RETCZ16	ROB	3_WH_Instant	3	1	0	0.1
WATER2	RSTCZ16	ROB	1_WH_Storage	1	1	0.51	0.41
WATER2	RSTCZ16	ROB	2_WH_StorageHE	2	1	0	0.41
WATER2	RSTCZ16	ROB	3_WH_Instant	3	1	0	0.41
WATER2	SCHCZ16	ROB	1_WH_Storage	1	1	0.62	0.06
WATER2	SCHCZ16	ROB	2_WH_StorageHE	2	1	0.07	0.06
WATER2	SCHCZ16	ROB	3_WH_Instant	3	1	0	0.06
WATER2	SMOCZ16	ROB	1_WH_Storage	1	1	0.19	0.44
WATER2	SMOCZ16	ROB	2_WH_StorageHE	2	1	0	0.44

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	SMOCZ16	ROB	3_WH_Instant	3	1	0	0.44
WATER2	WRHCZ16	ROB	1_WH_Storage	1	1	0.3	0.03
WATER2	WRHCZ16	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ16	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ16	NEW	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ16	ROB	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ16	NEW	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	HLTCZ16	ROB	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ16	NEW	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LDGCZ16	ROB	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LGOZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ16	NEW	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	MSCCZ16	ROB	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	REFCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ16	ROB	1_WH_GasComm	1	1	0	0

SCG Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	RETCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ16	NEW	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ16	ROB	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ16	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ16	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ16	NEW	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ16	NEW	2_WH_GasHorzAxis	2	1	0	0.14
WATER1	WRHCZ16	ROB	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ16	ROB	2_WH_GasHorzAxis	2	1	0	0.14

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ07	ROB	1_CK_FdStmr	1	1	0.43	0
COOK6	COLCZ07	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ07	ROB	1_CK_FdStmr	1	1	0.04	0.2
COOK6	GRCCZ07	ROB	2_CK_Pressureles	2	1	0	0.2
COOK6	HLTCZ07	ROB	1_CK_FdStmr	1	1	0.07	0.01
COOK6	HLTCZ07	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LDGCZ07	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LDGCZ07	ROB	2_CK_Pressureles	2	1	0	0
COOK6	LGOCZ07	ROB	1_CK_FdStmr	1	1	0.02	0.01
COOK6	LGOCZ07	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	MSCCZ07	ROB	1_CK_FdStmr	1	1	0	0.04
COOK6	MSCCZ07	ROB	2_CK_Pressureles	2	1	0	0.04
COOK6	REFCZ07	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ07	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ07	ROB	1_CK_FdStmr	1	1	0.02	0.02
COOK6	RETCZ07	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	RSTCZ07	ROB	1_CK_FdStmr	1	1	0.07	0.37
COOK6	RSTCZ07	ROB	2_CK_Pressureles	2	1	0	0.37
COOK6	SCHCZ07	ROB	1_CK_FdStmr	1	1	0.08	0.02
COOK6	SCHCZ07	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	SMOCZ07	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ07	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ07	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ07	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ07	ROB	1_CK_HoldCbnt	1	1	0.1	0
COOK5	COLCZ07	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ07	ROB	1_CK_HoldCbnt	1	1	0.15	0.08
COOK5	GRCCZ07	ROB	2_CK_HoldCbntHE	2	1	0	0.08
COOK5	HLTCZ07	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	HLTCZ07	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LDGCZ07	ROB	1_CK_HoldCbnt	1	1	0.08	0
COOK5	LDGCZ07	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LGOCZ07	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ07	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ07	ROB	1_CK_HoldCbnt	1	1	0.01	0.06

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ07	ROB	2_CK_HoldCbntHE	2	1	0	0.06
COOK5	REFCZ07	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ07	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ07	ROB	1_CK_HoldCbnt	1	1	0.01	0.01
COOK5	RETCZ07	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	RSTCZ07	ROB	1_CK_HoldCbnt	1	1	0.04	1.17
COOK5	RSTCZ07	ROB	2_CK_HoldCbntHE	2	1	0	1.17
COOK5	SCHCZ07	ROB	1_CK_HoldCbnt	1	1	0.22	0.03
COOK5	SCHCZ07	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	SMOCZ07	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ07	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ07	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ07	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ07	ROB	1_CK_Griddle	1	1	0.22	0.01
COOK4	COLCZ07	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ07	ROB	1_CK_Griddle	1	1	0.1	0.11
COOK4	GRCCZ07	ROB	2_CK_GriddleHE	2	1	0	0.11
COOK4	HLTCZ07	ROB	1_CK_Griddle	1	1	0.46	0.01
COOK4	HLTCZ07	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LDGCZ07	ROB	1_CK_Griddle	1	1	0.29	0.02
COOK4	LDGCZ07	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LGOZ07	ROB	1_CK_Griddle	1	1	0.07	0.01
COOK4	LGOZ07	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ07	ROB	1_CK_Griddle	1	1	0.02	0.03
COOK4	MSCCZ07	ROB	2_CK_GriddleHE	2	1	0	0.03
COOK4	REFCZ07	ROB	1_CK_Griddle	1	1	0.03	0
COOK4	REFCZ07	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RETCZ07	ROB	1_CK_Griddle	1	1	0.02	0.01
COOK4	RETCZ07	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RSTCZ07	ROB	1_CK_Griddle	1	1	0.55	0.39
COOK4	RSTCZ07	ROB	2_CK_GriddleHE	2	1	0	0.39
COOK4	SCHCZ07	ROB	1_CK_Griddle	1	1	0.05	0.02
COOK4	SCHCZ07	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	SMOCZ07	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ07	ROB	2_CK_GriddleHE	2	1	0	0

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	WRHCZ07	ROB	1_CK_Griddle	1	1	0.01	0
COOK4	WRHCZ07	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ07	ROB	1_CK_Oven	1	1	0.34	0.06
COOK3	COLCZ07	ROB	2_CK_CnvcOven	2	1	0.02	0.06
COOK3	GRCCZ07	ROB	1_CK_Oven	1	1	0.37	0.09
COOK3	GRCCZ07	ROB	2_CK_CnvcOven	2	1	0.03	0.09
COOK3	HLTCZ07	ROB	1_CK_Oven	1	1	0.44	0.02
COOK3	HLTCZ07	ROB	2_CK_CnvcOven	2	1	0.15	0.02
COOK3	LDGCZ07	ROB	1_CK_Oven	1	1	0.47	0.74
COOK3	LDGCZ07	ROB	2_CK_CnvcOven	2	1	0.01	0.74
COOK3	LGOCZ07	ROB	1_CK_Oven	1	1	0.02	0.01
COOK3	LGOCZ07	ROB	2_CK_CnvcOven	2	1	0.03	0.01
COOK3	MSCCZ07	ROB	1_CK_Oven	1	1	0.05	0.08
COOK3	MSCCZ07	ROB	2_CK_CnvcOven	2	1	0	0.08
COOK3	REFCZ07	ROB	1_CK_Oven	1	1	0.03	0.02
COOK3	REFCZ07	ROB	2_CK_CnvcOven	2	1	0	0.02
COOK3	RETCZ07	ROB	1_CK_Oven	1	1	0.02	0.03
COOK3	RETCZ07	ROB	2_CK_CnvcOven	2	1	0.02	0.03
COOK3	RSTCZ07	ROB	1_CK_Oven	1	1	0.27	0.47
COOK3	RSTCZ07	ROB	2_CK_CnvcOven	2	1	0.12	0.47
COOK3	SCHCZ07	ROB	1_CK_Oven	1	1	0.3	0.05
COOK3	SCHCZ07	ROB	2_CK_CnvcOven	2	1	0.13	0.05
COOK3	SMOCZ07	ROB	1_CK_Oven	1	1	0.08	0.2
COOK3	SMOCZ07	ROB	2_CK_CnvcOven	2	1	0	0.2
COOK3	WRHCZ07	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ07	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ07	ROB	1_CK_PzOven	1	1	0.08	0.03
COOK2	COLCZ07	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	GRCCZ07	ROB	1_CK_PzOven	1	1	0.04	0.1
COOK2	GRCCZ07	ROB	2_CK_CnveyrOven	2	1	0	0.1
COOK2	HLTCZ07	ROB	1_CK_PzOven	1	1	0	0
COOK2	HLTCZ07	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LDGCZ07	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LDGCZ07	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	LGOCZ07	ROB	1_CK_PzOven	1	1	0.03	0.01

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	LGOCZ07	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	MSCCZ07	ROB	1_CK_PzOven	1	1	0	0.03
COOK2	MSCCZ07	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	REFCZ07	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ07	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ07	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	RETCZ07	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	RSTCZ07	ROB	1_CK_PzOven	1	1	0.1	0.8
COOK2	RSTCZ07	ROB	2_CK_CnveyrOven	2	1	0	0.8
COOK2	SCHCZ07	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	SCHCZ07	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ07	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ07	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ07	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ07	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ07	ROB	1_CK_GasFryer	1	1	0.12	0.05
COOK1	COLCZ07	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	GRCCZ07	ROB	1_CK_GasFryer	1	1	0.2	0.05
COOK1	GRCCZ07	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	HLTCZ07	ROB	1_CK_GasFryer	1	1	0.08	0.01
COOK1	HLTCZ07	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ07	ROB	1_CK_GasFryer	1	1	0.21	0.01
COOK1	LDGCZ07	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ07	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LGOCZ07	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	MSCCZ07	ROB	1_CK_GasFryer	1	1	0.01	0.05
COOK1	MSCCZ07	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	REFCZ07	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ07	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ07	ROB	1_CK_GasFryer	1	1	0.01	0.04
COOK1	RETCZ07	ROB	2_CK_GasFryerIF	2	1	0	0.04
COOK1	RSTCZ07	ROB	1_CK_GasFryer	1	1	0.29	0.49
COOK1	RSTCZ07	ROB	2_CK_GasFryerIF	2	1	0	0.49
COOK1	SCHCZ07	ROB	1_CK_GasFryer	1	1	0.19	0.03
COOK1	SCHCZ07	ROB	2_CK_GasFryerIF	2	1	0	0.03



SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SMOCZ07	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ07	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ07	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ07	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ07	RET	2_VN_CldDrnkHE	1	0.56	0	0.07
VEND2	GRCCZ07	RET	2_VN_CldDrnkHE	1	0.41	0	0.11
VEND2	HLTCZ07	RET	2_VN_CldDrnkHE	1	0.32	0	0.03
VEND2	LDGCZ07	RET	2_VN_CldDrnkHE	1	0.55	0	0.06
VEND2	LGOCZ07	RET	2_VN_CldDrnkHE	1	0.67	0	0.05
VEND2	MSCCZ07	RET	2_VN_CldDrnkHE	1	0.06	0	0.11
VEND2	REFCZ07	RET	2_VN_CldDrnkHE	1	0.76	0	0.02
VEND2	RETCZ07	RET	2_VN_CldDrnkHE	1	0.53	0	0.06
VEND2	RSTCZ07	RET	2_VN_CldDrnkHE	1	0.1	0	0.46
VEND2	SCHCZ07	RET	2_VN_CldDrnkHE	1	0.56	0	0.03
VEND2	SMOCZ07	RET	2_VN_CldDrnkHE	1	0.05	0	0.61
VEND2	WRHCZ07	RET	2_VN_CldDrnkHE	1	0.64	0	0.02
VEND1	COLCZ07	RET	2_VN_NonRefHE	1	0.29	0	0.01
VEND1	GRCCZ07	RET	2_VN_NonRefHE	1	0.1	0	0.06
VEND1	HLTCZ07	RET	2_VN_NonRefHE	1	0.18	0	0.03
VEND1	LDGCZ07	RET	2_VN_NonRefHE	1	0.17	0	0.05
VEND1	LGOCZ07	RET	2_VN_NonRefHE	1	0.38	0	0.03
VEND1	MSCCZ07	RET	2_VN_NonRefHE	1	0.03	0	0.05
VEND1	REFCZ07	RET	2_VN_NonRefHE	1	0.53	0	0.01
VEND1	RETCZ07	RET	2_VN_NonRefHE	1	0.23	0	0.03
VEND1	RSTCZ07	RET	2_VN_NonRefHE	1	0.1	0	0.16
VEND1	SCHCZ07	RET	2_VN_NonRefHE	1	0.14	0	0.03
VEND1	SMOCZ07	RET	2_VN_NonRefHE	1	0.02	0	0.15
VEND1	WRHCZ07	RET	2_VN_NonRefHE	1	0.3	0	0.01
OFFICE1	COLCZ07	ROB	1_OF_SmlCopy	1	1	0.32	0.14
OFFICE1	COLCZ07	ROB	2_OF_SmlCopyES	2	1	0	0.14
OFFICE1	GRCCZ07	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	GRCCZ07	ROB	2_OF_SmlCopyES	2	1	0.04	0.08
OFFICE1	HLTCZ07	ROB	1_OF_SmlCopy	1	1	0.31	0.24
OFFICE1	HLTCZ07	ROB	2_OF_SmlCopyES	2	1	0.01	0.24
OFFICE1	LDGCZ07	ROB	1_OF_SmlCopy	1	1	0.25	0.05

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	LDGCZ07	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ07	ROB	1_OF_SmlCopy	1	1	0.48	0.19
OFFICE1	LGOCZ07	ROB	2_OF_SmlCopyES	2	1	0	0.19
OFFICE1	MSCCZ07	ROB	1_OF_SmlCopy	1	1	0.08	0.09
OFFICE1	MSCCZ07	ROB	2_OF_SmlCopyES	2	1	0	0.09
OFFICE1	REFCZ07	ROB	1_OF_SmlCopy	1	1	0.21	0.03
OFFICE1	REFCZ07	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	RETCZ07	ROB	1_OF_SmlCopy	1	1	0.34	0.14
OFFICE1	RETCZ07	ROB	2_OF_SmlCopyES	2	1	0.01	0.14
OFFICE1	RSTCZ07	ROB	1_OF_SmlCopy	1	1	0.14	0.22
OFFICE1	RSTCZ07	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ07	ROB	1_OF_SmlCopy	1	1	0.52	0.06
OFFICE1	SCHCZ07	ROB	2_OF_SmlCopyES	2	1	0	0.06
OFFICE1	SMOCZ07	ROB	1_OF_SmlCopy	1	1	0.44	0.73
OFFICE1	SMOCZ07	ROB	2_OF_SmlCopyES	2	1	0.02	0.73
OFFICE1	WRHCZ07	ROB	1_OF_SmlCopy	1	1	0.58	0.06
OFFICE1	WRHCZ07	ROB	2_OF_SmlCopyES	2	1	0.02	0.06
WATER3	COLCZ07	RET	2_WH_CircTimer	1	0.29	0	0.02
WATER3	GRCCZ07	RET	2_WH_CircTimer	1	0.08	0	0.03
WATER3	HLTCZ07	RET	2_WH_CircTimer	1	0.21	0.01	0.05
WATER3	LDGCZ07	RET	2_WH_CircTimer	1	0.13	0	0.06
WATER3	LGOCZ07	RET	2_WH_CircTimer	1	0.26	0.01	0.01
WATER3	MSCCZ07	RET	2_WH_CircTimer	1	0.01	0	0.04
WATER3	REFCZ07	RET	2_WH_CircTimer	1	0	0	0
WATER3	RETCZ07	RET	2_WH_CircTimer	1	0.01	0	0.02
WATER3	RSTCZ07	RET	2_WH_CircTimer	1	0.09	0.01	0.21
WATER3	SCHCZ07	RET	2_WH_CircTimer	1	0.16	0.09	0.04
WATER3	SMOCZ07	RET	2_WH_CircTimer	1	0	0	0.19
WATER3	WRHCZ07	RET	2_WH_CircTimer	1	0	0	0
WATER2	COLCZ07	ROB	1_WH_Storage	1	1	0.31	0.03
WATER2	COLCZ07	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	COLCZ07	ROB	3_WH_Instant	3	1	0.02	0.03
WATER2	GRCCZ07	ROB	1_WH_Storage	1	1	0.25	0.18
WATER2	GRCCZ07	ROB	2_WH_StorageHE	2	1	0	0.18
WATER2	GRCCZ07	ROB	3_WH_Instant	3	1	0	0.18

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	HLTCZ07	ROB	1_WH_Storage	1	1	0.2	0.09
WATER2	HLTCZ07	ROB	2_WH_StorageHE	2	1	0.01	0.09
WATER2	HLTCZ07	ROB	3_WH_Instant	3	1	0.26	0.09
WATER2	LDGCZ07	ROB	1_WH_Storage	1	1	0.27	0.57
WATER2	LDGCZ07	ROB	2_WH_StorageHE	2	1	0	0.57
WATER2	LDGCZ07	ROB	3_WH_Instant	3	1	0	0.57
WATER2	LGOCZ07	ROB	1_WH_Storage	1	1	0.23	0.04
WATER2	LGOCZ07	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	LGOCZ07	ROB	3_WH_Instant	3	1	0	0.04
WATER2	MSCCZ07	ROB	1_WH_Storage	1	1	0.09	0.13
WATER2	MSCCZ07	ROB	2_WH_StorageHE	2	1	0	0.13
WATER2	MSCCZ07	ROB	3_WH_Instant	3	1	0	0.13
WATER2	REFCZ07	ROB	1_WH_Storage	1	1	0.15	0.03
WATER2	REFCZ07	ROB	2_WH_StorageHE	2	1	0.21	0.03
WATER2	REFCZ07	ROB	3_WH_Instant	3	1	0	0.03
WATER2	RETCZ07	ROB	1_WH_Storage	1	1	0.27	0.1
WATER2	RETCZ07	ROB	2_WH_StorageHE	2	1	0.02	0.1
WATER2	RETCZ07	ROB	3_WH_Instant	3	1	0	0.1
WATER2	RSTCZ07	ROB	1_WH_Storage	1	1	0.51	0.41
WATER2	RSTCZ07	ROB	2_WH_StorageHE	2	1	0	0.41
WATER2	RSTCZ07	ROB	3_WH_Instant	3	1	0	0.41
WATER2	SCHCZ07	ROB	1_WH_Storage	1	1	0.62	0.06
WATER2	SCHCZ07	ROB	2_WH_StorageHE	2	1	0.07	0.06
WATER2	SCHCZ07	ROB	3_WH_Instant	3	1	0	0.06
WATER2	SMOCZ07	ROB	1_WH_Storage	1	1	0.19	0.44
WATER2	SMOCZ07	ROB	2_WH_StorageHE	2	1	0	0.44
WATER2	SMOCZ07	ROB	3_WH_Instant	3	1	0	0.44
WATER2	WRHCZ07	ROB	1_WH_Storage	1	1	0.3	0.03
WATER2	WRHCZ07	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ07	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ07	NEW	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ07	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ07	ROB	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ07	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ07	NEW	1_WH_GasComm	1	1	0	0

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	GRCCZ07	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ07	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ07	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ07	NEW	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ07	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	HLTCZ07	ROB	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ07	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ07	NEW	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ07	NEW	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LDGCZ07	ROB	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ07	ROB	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LGOZ07	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ07	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ07	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ07	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ07	NEW	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ07	NEW	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	MSCCZ07	ROB	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ07	ROB	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	REFCZ07	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ07	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ07	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ07	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ07	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ07	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ07	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ07	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ07	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ07	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ07	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ07	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ07	NEW	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ07	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ07	ROB	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ07	ROB	2_WH_GasHorzAxis	2	1	0	0

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SMOCZ07	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ07	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ07	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ07	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ07	NEW	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ07	NEW	2_WH_GasHorzAxis	2	1	0	0.14
WATER1	WRHCZ07	ROB	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ07	ROB	2_WH_GasHorzAxis	2	1	0	0.14

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ10	ROB	1_CK_FdStmr	1	1	0.43	0
COOK6	COLCZ10	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ10	ROB	1_CK_FdStmr	1	1	0.04	0.2
COOK6	GRCCZ10	ROB	2_CK_Pressureles	2	1	0	0.2
COOK6	HLTCZ10	ROB	1_CK_FdStmr	1	1	0.07	0.01
COOK6	HLTCZ10	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LDGCZ10	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LDGCZ10	ROB	2_CK_Pressureles	2	1	0	0
COOK6	LGOCZ10	ROB	1_CK_FdStmr	1	1	0.02	0.01
COOK6	LGOCZ10	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	MSCCZ10	ROB	1_CK_FdStmr	1	1	0	0.04
COOK6	MSCCZ10	ROB	2_CK_Pressureles	2	1	0	0.04
COOK6	REFCZ10	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ10	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ10	ROB	1_CK_FdStmr	1	1	0.02	0.02
COOK6	RETCZ10	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	RSTCZ10	ROB	1_CK_FdStmr	1	1	0.07	0.37
COOK6	RSTCZ10	ROB	2_CK_Pressureles	2	1	0	0.37
COOK6	SCHCZ10	ROB	1_CK_FdStmr	1	1	0.08	0.02
COOK6	SCHCZ10	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	SMOCZ10	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ10	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ10	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ10	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ10	ROB	1_CK_HoldCbnt	1	1	0.1	0
COOK5	COLCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ10	ROB	1_CK_HoldCbnt	1	1	0.15	0.08
COOK5	GRCCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0.08
COOK5	HLTCZ10	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	HLTCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LDGCZ10	ROB	1_CK_HoldCbnt	1	1	0.08	0
COOK5	LDGCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LGOCZ10	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ10	ROB	1_CK_HoldCbnt	1	1	0.01	0.06
COOK5	MSCCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0.06
COOK5	REFCZ10	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ10	ROB	1_CK_HoldCbnt	1	1	0.01	0.01
COOK5	RETCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	RSTCZ10	ROB	1_CK_HoldCbnt	1	1	0.04	1.17
COOK5	RSTCZ10	ROB	2_CK_HoldCbntHE	2	1	0	1.17
COOK5	SCHCZ10	ROB	1_CK_HoldCbnt	1	1	0.22	0.03
COOK5	SCHCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	SMOCZ10	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	WRHCZ10	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ10	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ10	ROB	1_CK_Griddle	1	1	0.22	0.01
COOK4	COLCZ10	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ10	ROB	1_CK_Griddle	1	1	0.1	0.11
COOK4	GRCCZ10	ROB	2_CK_GriddleHE	2	1	0	0.11
COOK4	HLTCZ10	ROB	1_CK_Griddle	1	1	0.46	0.01
COOK4	HLTCZ10	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LDGCZ10	ROB	1_CK_Griddle	1	1	0.29	0.02
COOK4	LDGCZ10	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LGOCZ10	ROB	1_CK_Griddle	1	1	0.07	0.01
COOK4	LGOCZ10	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ10	ROB	1_CK_Griddle	1	1	0.02	0.03
COOK4	MSCCZ10	ROB	2_CK_GriddleHE	2	1	0	0.03
COOK4	REFCZ10	ROB	1_CK_Griddle	1	1	0.03	0
COOK4	REFCZ10	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RETCZ10	ROB	1_CK_Griddle	1	1	0.02	0.01
COOK4	RETCZ10	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RSTCZ10	ROB	1_CK_Griddle	1	1	0.55	0.39
COOK4	RSTCZ10	ROB	2_CK_GriddleHE	2	1	0	0.39
COOK4	SCHCZ10	ROB	1_CK_Griddle	1	1	0.05	0.02
COOK4	SCHCZ10	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	SMOCZ10	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ10	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	WRHCZ10	ROB	1_CK_Griddle	1	1	0.01	0
COOK4	WRHCZ10	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ10	ROB	1_CK_Oven	1	1	0.34	0.06
COOK3	COLCZ10	ROB	2_CK_CnvcOven	2	1	0.02	0.06
COOK3	GRCCZ10	ROB	1_CK_Oven	1	1	0.37	0.09
COOK3	GRCCZ10	ROB	2_CK_CnvcOven	2	1	0.03	0.09
COOK3	HLTCZ10	ROB	1_CK_Oven	1	1	0.44	0.02
COOK3	HLTCZ10	ROB	2_CK_CnvcOven	2	1	0.15	0.02
COOK3	LDGCZ10	ROB	1_CK_Oven	1	1	0.47	0.74
COOK3	LDGCZ10	ROB	2_CK_CnvcOven	2	1	0.01	0.74
COOK3	LGOCZ10	ROB	1_CK_Oven	1	1	0.02	0.01
COOK3	LGOCZ10	ROB	2_CK_CnvcOven	2	1	0.03	0.01
COOK3	MSCCZ10	ROB	1_CK_Oven	1	1	0.05	0.08
COOK3	MSCCZ10	ROB	2_CK_CnvcOven	2	1	0	0.08
COOK3	REFCZ10	ROB	1_CK_Oven	1	1	0.03	0.02
COOK3	REFCZ10	ROB	2_CK_CnvcOven	2	1	0	0.02
COOK3	RETCZ10	ROB	1_CK_Oven	1	1	0.02	0.03
COOK3	RETCZ10	ROB	2_CK_CnvcOven	2	1	0.02	0.03
COOK3	RSTCZ10	ROB	1_CK_Oven	1	1	0.27	0.47
COOK3	RSTCZ10	ROB	2_CK_CnvcOven	2	1	0.12	0.47
COOK3	SCHCZ10	ROB	1_CK_Oven	1	1	0.3	0.05
COOK3	SCHCZ10	ROB	2_CK_CnvcOven	2	1	0.13	0.05

SDG&E Commercial Miscellaneous  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK3	SMOCZ10	ROB	1_CK_Oven	1	1	0.08	0.2
COOK3	SMOCZ10	ROB	2_CK_CnvcOven	2	1	0	0.2
COOK3	WRHCZ10	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ10	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ10	ROB	1_CK_PzOven	1	1	0.08	0.03
COOK2	COLCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	GRCCZ10	ROB	1_CK_PzOven	1	1	0.04	0.1
COOK2	GRCCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.1
COOK2	HLTCZ10	ROB	1_CK_PzOven	1	1	0	0
COOK2	HLTCZ10	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LDGCZ10	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LDGCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	LGOCZ10	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LGOCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	MSCCZ10	ROB	1_CK_PzOven	1	1	0	0.03
COOK2	MSCCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	REFCZ10	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ10	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ10	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	RETCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	RSTCZ10	ROB	1_CK_PzOven	1	1	0.1	0.8
COOK2	RSTCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.8
COOK2	SCHCZ10	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	SCHCZ10	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ10	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ10	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ10	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ10	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ10	ROB	1_CK_GasFryer	1	1	0.12	0.05
COOK1	COLCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	GRCCZ10	ROB	1_CK_GasFryer	1	1	0.2	0.05
COOK1	GRCCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	HLTCZ10	ROB	1_CK_GasFryer	1	1	0.08	0.01
COOK1	HLTCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ10	ROB	1_CK_GasFryer	1	1	0.21	0.01
COOK1	LDGCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ10	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LGOCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	MSCCZ10	ROB	1_CK_GasFryer	1	1	0.01	0.05
COOK1	MSCCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	REFCZ10	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ10	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ10	ROB	1_CK_GasFryer	1	1	0.01	0.04
COOK1	RETCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.04
COOK1	RSTCZ10	ROB	1_CK_GasFryer	1	1	0.29	0.49
COOK1	RSTCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.49



SDG&E Commercial Miscellaneous  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SCHCZ10	ROB	1_CK_GasFryer	1	1	0.19	0.03
COOK1	SCHCZ10	ROB	2_CK_GasFryerIF	2	1	0	0.03
COOK1	SMOCZ10	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ10	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ10	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ10	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ10	RET	2_VN_CldDrnkHE	1	0.56	0	0.07
VEND2	GRCCZ10	RET	2_VN_CldDrnkHE	1	0.41	0	0.11
VEND2	HLTCZ10	RET	2_VN_CldDrnkHE	1	0.32	0	0.03
VEND2	LDGCZ10	RET	2_VN_CldDrnkHE	1	0.55	0	0.06
VEND2	LGOCZ10	RET	2_VN_CldDrnkHE	1	0.67	0	0.05
VEND2	MSCCZ10	RET	2_VN_CldDrnkHE	1	0.06	0	0.11
VEND2	REFCZ10	RET	2_VN_CldDrnkHE	1	0.76	0	0.02
VEND2	RETCZ10	RET	2_VN_CldDrnkHE	1	0.53	0	0.06
VEND2	RSTCZ10	RET	2_VN_CldDrnkHE	1	0.1	0	0.46
VEND2	SCHCZ10	RET	2_VN_CldDrnkHE	1	0.56	0	0.03
VEND2	SMOCZ10	RET	2_VN_CldDrnkHE	1	0.05	0	0.61
VEND2	WRHCZ10	RET	2_VN_CldDrnkHE	1	0.64	0	0.02
VEND1	COLCZ10	RET	2_VN_NonRefHE	1	0.29	0	0.01
VEND1	GRCCZ10	RET	2_VN_NonRefHE	1	0.1	0	0.06
VEND1	HLTCZ10	RET	2_VN_NonRefHE	1	0.18	0	0.03
VEND1	LDGCZ10	RET	2_VN_NonRefHE	1	0.17	0	0.05
VEND1	LGOCZ10	RET	2_VN_NonRefHE	1	0.38	0	0.03
VEND1	MSCCZ10	RET	2_VN_NonRefHE	1	0.03	0	0.05
VEND1	REFCZ10	RET	2_VN_NonRefHE	1	0.53	0	0.01
VEND1	RETCZ10	RET	2_VN_NonRefHE	1	0.23	0	0.03
VEND1	RSTCZ10	RET	2_VN_NonRefHE	1	0.1	0	0.16
VEND1	SCHCZ10	RET	2_VN_NonRefHE	1	0.14	0	0.03
VEND1	SMOCZ10	RET	2_VN_NonRefHE	1	0.02	0	0.15
VEND1	WRHCZ10	RET	2_VN_NonRefHE	1	0.3	0	0.01
OFFICE1	COLCZ10	ROB	1_OF_SmlCopy	1	1	0.32	0.14
OFFICE1	COLCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.14
OFFICE1	GRCCZ10	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	GRCCZ10	ROB	2_OF_SmlCopyES	2	1	0.04	0.08
OFFICE1	HLTCZ10	ROB	1_OF_SmlCopy	1	1	0.31	0.24
OFFICE1	HLTCZ10	ROB	2_OF_SmlCopyES	2	1	0.01	0.24
OFFICE1	LDGCZ10	ROB	1_OF_SmlCopy	1	1	0.25	0.05
OFFICE1	LDGCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ10	ROB	1_OF_SmlCopy	1	1	0.48	0.19
OFFICE1	LGOCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.19
OFFICE1	MSCCZ10	ROB	1_OF_SmlCopy	1	1	0.08	0.09
OFFICE1	MSCCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.09
OFFICE1	REFCZ10	ROB	1_OF_SmlCopy	1	1	0.21	0.03
OFFICE1	REFCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	RETCZ10	ROB	1_OF_SmlCopy	1	1	0.34	0.14
OFFICE1	RETCZ10	ROB	2_OF_SmlCopyES	2	1	0.01	0.14

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	RSTCZ10	ROB	1_OF_SmlCopy	1	1	0.14	0.22
OFFICE1	RSTCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ10	ROB	1_OF_SmlCopy	1	1	0.52	0.06
OFFICE1	SCHCZ10	ROB	2_OF_SmlCopyES	2	1	0	0.06
OFFICE1	SMOCZ10	ROB	1_OF_SmlCopy	1	1	0.44	0.73
OFFICE1	SMOCZ10	ROB	2_OF_SmlCopyES	2	1	0.02	0.73
OFFICE1	WRHCZ10	ROB	1_OF_SmlCopy	1	1	0.58	0.06
OFFICE1	WRHCZ10	ROB	2_OF_SmlCopyES	2	1	0.02	0.06
WATER3	COLCZ10	RET	2_WH_CircTimer	1	0.29	0	0.02
WATER3	GRCCZ10	RET	2_WH_CircTimer	1	0.08	0	0.03
WATER3	HLTCZ10	RET	2_WH_CircTimer	1	0.21	0.01	0.05
WATER3	LDGCZ10	RET	2_WH_CircTimer	1	0.13	0	0.06
WATER3	LGOCZ10	RET	2_WH_CircTimer	1	0.26	0.01	0.01
WATER3	MSCCZ10	RET	2_WH_CircTimer	1	0.01	0	0.04
WATER3	REFCZ10	RET	2_WH_CircTimer	1	0	0	0
WATER3	RETCZ10	RET	2_WH_CircTimer	1	0.01	0	0.02
WATER3	RSTCZ10	RET	2_WH_CircTimer	1	0.09	0.01	0.21
WATER3	SCHCZ10	RET	2_WH_CircTimer	1	0.16	0.09	0.04
WATER3	SMOCZ10	RET	2_WH_CircTimer	1	0	0	0.19
WATER3	WRHCZ10	RET	2_WH_CircTimer	1	0	0	0
WATER2	COLCZ10	ROB	1_WH_Storage	1	1	0.31	0.03
WATER2	COLCZ10	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	COLCZ10	ROB	3_WH_Instant	3	1	0.02	0.03
WATER2	GRCCZ10	ROB	1_WH_Storage	1	1	0.25	0.18
WATER2	GRCCZ10	ROB	2_WH_StorageHE	2	1	0	0.18
WATER2	GRCCZ10	ROB	3_WH_Instant	3	1	0	0.18
WATER2	HLTCZ10	ROB	1_WH_Storage	1	1	0.2	0.09
WATER2	HLTCZ10	ROB	2_WH_StorageHE	2	1	0.01	0.09
WATER2	HLTCZ10	ROB	3_WH_Instant	3	1	0.26	0.09
WATER2	LDGCZ10	ROB	1_WH_Storage	1	1	0.27	0.57
WATER2	LDGCZ10	ROB	2_WH_StorageHE	2	1	0	0.57
WATER2	LDGCZ10	ROB	3_WH_Instant	3	1	0	0.57
WATER2	LGOCZ10	ROB	1_WH_Storage	1	1	0.23	0.04
WATER2	LGOCZ10	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	LGOCZ10	ROB	3_WH_Instant	3	1	0	0.04
WATER2	MSCCZ10	ROB	1_WH_Storage	1	1	0.09	0.13
WATER2	MSCCZ10	ROB	2_WH_StorageHE	2	1	0	0.13
WATER2	MSCCZ10	ROB	3_WH_Instant	3	1	0	0.13
WATER2	REFCZ10	ROB	1_WH_Storage	1	1	0.15	0.03
WATER2	REFCZ10	ROB	2_WH_StorageHE	2	1	0.21	0.03
WATER2	REFCZ10	ROB	3_WH_Instant	3	1	0	0.03
WATER2	RETCZ10	ROB	1_WH_Storage	1	1	0.27	0.1
WATER2	RETCZ10	ROB	2_WH_StorageHE	2	1	0.02	0.1
WATER2	RETCZ10	ROB	3_WH_Instant	3	1	0	0.1
WATER2	RSTCZ10	ROB	1_WH_Storage	1	1	0.51	0.41
WATER2	RSTCZ10	ROB	2_WH_StorageHE	2	1	0	0.41

SDG&E Commercial Miscellaneous  
Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	RSTCZ10	ROB	3_WH_Instant	3	1	0	0.41
WATER2	SCHCZ10	ROB	1_WH_Storage	1	1	0.62	0.06
WATER2	SCHCZ10	ROB	2_WH_StorageHE	2	1	0.07	0.06
WATER2	SCHCZ10	ROB	3_WH_Instant	3	1	0	0.06
WATER2	SMOCZ10	ROB	1_WH_Storage	1	1	0.19	0.44
WATER2	SMOCZ10	ROB	2_WH_StorageHE	2	1	0	0.44
WATER2	SMOCZ10	ROB	3_WH_Instant	3	1	0	0.44
WATER2	WRHCZ10	ROB	1_WH_Storage	1	1	0.3	0.03
WATER2	WRHCZ10	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ10	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ10	NEW	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ10	ROB	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ10	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ10	NEW	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	HLTCZ10	ROB	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ10	NEW	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LDGCZ10	ROB	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LGOCZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOCZ10	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ10	NEW	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	MSCCZ10	ROB	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	REFCZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ10	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ10	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ10	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SCHCZ10	NEW	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ10	ROB	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ10	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ10	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ10	NEW	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ10	NEW	2_WH_GasHorzAxis	2	1	0	0.14
WATER1	WRHCZ10	ROB	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ10	ROB	2_WH_GasHorzAxis	2	1	0	0.14

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK6	COLCZ14	ROB	1_CK_FdStmr	1	1	0.43	0
COOK6	COLCZ14	ROB	2_CK_Pressureles	2	1	0	0
COOK6	GRCCZ14	ROB	1_CK_FdStmr	1	1	0.04	0.2
COOK6	GRCCZ14	ROB	2_CK_Pressureles	2	1	0	0.2
COOK6	HLTCZ14	ROB	1_CK_FdStmr	1	1	0.07	0.01
COOK6	HLTCZ14	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	LDGCZ14	ROB	1_CK_FdStmr	1	1	0.02	0
COOK6	LDGCZ14	ROB	2_CK_Pressureles	2	1	0	0
COOK6	LGOCZ14	ROB	1_CK_FdStmr	1	1	0.02	0.01
COOK6	LGOCZ14	ROB	2_CK_Pressureles	2	1	0	0.01
COOK6	MSCCZ14	ROB	1_CK_FdStmr	1	1	0	0.04
COOK6	MSCCZ14	ROB	2_CK_Pressureles	2	1	0	0.04
COOK6	REFCZ14	ROB	1_CK_FdStmr	1	1	0	0
COOK6	REFCZ14	ROB	2_CK_Pressureles	2	1	0	0
COOK6	RETCZ14	ROB	1_CK_FdStmr	1	1	0.02	0.02
COOK6	RETCZ14	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	RSTCZ14	ROB	1_CK_FdStmr	1	1	0.07	0.37
COOK6	RSTCZ14	ROB	2_CK_Pressureles	2	1	0	0.37
COOK6	SCHCZ14	ROB	1_CK_FdStmr	1	1	0.08	0.02
COOK6	SCHCZ14	ROB	2_CK_Pressureles	2	1	0	0.02
COOK6	SMOCZ14	ROB	1_CK_FdStmr	1	1	0	0
COOK6	SMOCZ14	ROB	2_CK_Pressureles	2	1	0	0
COOK6	WRHCZ14	ROB	1_CK_FdStmr	1	1	0	0
COOK6	WRHCZ14	ROB	2_CK_Pressureles	2	1	0	0
COOK5	COLCZ14	ROB	1_CK_HoldCbnt	1	1	0.1	0
COOK5	COLCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	GRCCZ14	ROB	1_CK_HoldCbnt	1	1	0.15	0.08
COOK5	GRCCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0.08
COOK5	HLTCZ14	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	HLTCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LDGCZ14	ROB	1_CK_HoldCbnt	1	1	0.08	0
COOK5	LDGCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	LGOCZ14	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	LGOCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	MSCCZ14	ROB	1_CK_HoldCbnt	1	1	0.01	0.06

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK5	MSCCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0.06
COOK5	REFCZ14	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	REFCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	RETCZ14	ROB	1_CK_HoldCbnt	1	1	0.01	0.01
COOK5	RETCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0.01
COOK5	RSTCZ14	ROB	1_CK_HoldCbnt	1	1	0.04	1.17
COOK5	RSTCZ14	ROB	2_CK_HoldCbntHE	2	1	0	1.17
COOK5	SCHCZ14	ROB	1_CK_HoldCbnt	1	1	0.22	0.03
COOK5	SCHCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0.03
COOK5	SMOCZ14	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	SMOCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK5	WRHCZ14	ROB	1_CK_HoldCbnt	1	1	0	0
COOK5	WRHCZ14	ROB	2_CK_HoldCbntHE	2	1	0	0
COOK4	COLCZ14	ROB	1_CK_Griddle	1	1	0.22	0.01
COOK4	COLCZ14	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	GRCCZ14	ROB	1_CK_Griddle	1	1	0.1	0.11
COOK4	GRCCZ14	ROB	2_CK_GriddleHE	2	1	0	0.11
COOK4	HLTCZ14	ROB	1_CK_Griddle	1	1	0.46	0.01
COOK4	HLTCZ14	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	LDGCZ14	ROB	1_CK_Griddle	1	1	0.29	0.02
COOK4	LDGCZ14	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	LGOZ14	ROB	1_CK_Griddle	1	1	0.07	0.01
COOK4	LGOZ14	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	MSCCZ14	ROB	1_CK_Griddle	1	1	0.02	0.03
COOK4	MSCCZ14	ROB	2_CK_GriddleHE	2	1	0	0.03
COOK4	REFCZ14	ROB	1_CK_Griddle	1	1	0.03	0
COOK4	REFCZ14	ROB	2_CK_GriddleHE	2	1	0	0
COOK4	RETCZ14	ROB	1_CK_Griddle	1	1	0.02	0.01
COOK4	RETCZ14	ROB	2_CK_GriddleHE	2	1	0	0.01
COOK4	RSTCZ14	ROB	1_CK_Griddle	1	1	0.55	0.39
COOK4	RSTCZ14	ROB	2_CK_GriddleHE	2	1	0	0.39
COOK4	SCHCZ14	ROB	1_CK_Griddle	1	1	0.05	0.02
COOK4	SCHCZ14	ROB	2_CK_GriddleHE	2	1	0	0.02
COOK4	SMOCZ14	ROB	1_CK_Griddle	1	1	0	0
COOK4	SMOCZ14	ROB	2_CK_GriddleHE	2	1	0	0

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK4	WRHCZ14	ROB	1_CK_Griddle	1	1	0.01	0
COOK4	WRHCZ14	ROB	2_CK_GriddleHE	2	1	0	0
COOK3	COLCZ14	ROB	1_CK_Oven	1	1	0.34	0.06
COOK3	COLCZ14	ROB	2_CK_CnvcOven	2	1	0.02	0.06
COOK3	GRCCZ14	ROB	1_CK_Oven	1	1	0.37	0.09
COOK3	GRCCZ14	ROB	2_CK_CnvcOven	2	1	0.03	0.09
COOK3	HLTCZ14	ROB	1_CK_Oven	1	1	0.44	0.02
COOK3	HLTCZ14	ROB	2_CK_CnvcOven	2	1	0.15	0.02
COOK3	LDGCZ14	ROB	1_CK_Oven	1	1	0.47	0.74
COOK3	LDGCZ14	ROB	2_CK_CnvcOven	2	1	0.01	0.74
COOK3	LGOCZ14	ROB	1_CK_Oven	1	1	0.02	0.01
COOK3	LGOCZ14	ROB	2_CK_CnvcOven	2	1	0.03	0.01
COOK3	MSCCZ14	ROB	1_CK_Oven	1	1	0.05	0.08
COOK3	MSCCZ14	ROB	2_CK_CnvcOven	2	1	0	0.08
COOK3	REFCZ14	ROB	1_CK_Oven	1	1	0.03	0.02
COOK3	REFCZ14	ROB	2_CK_CnvcOven	2	1	0	0.02
COOK3	RETCZ14	ROB	1_CK_Oven	1	1	0.02	0.03
COOK3	RETCZ14	ROB	2_CK_CnvcOven	2	1	0.02	0.03
COOK3	RSTCZ14	ROB	1_CK_Oven	1	1	0.27	0.47
COOK3	RSTCZ14	ROB	2_CK_CnvcOven	2	1	0.12	0.47
COOK3	SCHCZ14	ROB	1_CK_Oven	1	1	0.3	0.05
COOK3	SCHCZ14	ROB	2_CK_CnvcOven	2	1	0.13	0.05
COOK3	SMOCZ14	ROB	1_CK_Oven	1	1	0.08	0.2
COOK3	SMOCZ14	ROB	2_CK_CnvcOven	2	1	0	0.2
COOK3	WRHCZ14	ROB	1_CK_Oven	1	1	0	0
COOK3	WRHCZ14	ROB	2_CK_CnvcOven	2	1	0	0
COOK2	COLCZ14	ROB	1_CK_PzOven	1	1	0.08	0.03
COOK2	COLCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	GRCCZ14	ROB	1_CK_PzOven	1	1	0.04	0.1
COOK2	GRCCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.1
COOK2	HLTCZ14	ROB	1_CK_PzOven	1	1	0	0
COOK2	HLTCZ14	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	LDGCZ14	ROB	1_CK_PzOven	1	1	0.03	0.01
COOK2	LDGCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	LGOCZ14	ROB	1_CK_PzOven	1	1	0.03	0.01

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK2	LGOCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	MSCCZ14	ROB	1_CK_PzOven	1	1	0	0.03
COOK2	MSCCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.03
COOK2	REFCZ14	ROB	1_CK_PzOven	1	1	0	0
COOK2	REFCZ14	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	RETCZ14	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	RETCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	RSTCZ14	ROB	1_CK_PzOven	1	1	0.1	0.8
COOK2	RSTCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.8
COOK2	SCHCZ14	ROB	1_CK_PzOven	1	1	0.01	0.01
COOK2	SCHCZ14	ROB	2_CK_CnveyrOven	2	1	0	0.01
COOK2	SMOCZ14	ROB	1_CK_PzOven	1	1	0	0
COOK2	SMOCZ14	ROB	2_CK_CnveyrOven	2	1	0	0
COOK2	WRHCZ14	ROB	1_CK_PzOven	1	1	0	0
COOK2	WRHCZ14	ROB	2_CK_CnveyrOven	2	1	0	0
COOK1	COLCZ14	ROB	1_CK_GasFryer	1	1	0.12	0.05
COOK1	COLCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	GRCCZ14	ROB	1_CK_GasFryer	1	1	0.2	0.05
COOK1	GRCCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	HLTCZ14	ROB	1_CK_GasFryer	1	1	0.08	0.01
COOK1	HLTCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LDGCZ14	ROB	1_CK_GasFryer	1	1	0.21	0.01
COOK1	LDGCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	LGOCZ14	ROB	1_CK_GasFryer	1	1	0.05	0.01
COOK1	LGOCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.01
COOK1	MSCCZ14	ROB	1_CK_GasFryer	1	1	0.01	0.05
COOK1	MSCCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.05
COOK1	REFCZ14	ROB	1_CK_GasFryer	1	1	0	0
COOK1	REFCZ14	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	RETCZ14	ROB	1_CK_GasFryer	1	1	0.01	0.04
COOK1	RETCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.04
COOK1	RSTCZ14	ROB	1_CK_GasFryer	1	1	0.29	0.49
COOK1	RSTCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.49
COOK1	SCHCZ14	ROB	1_CK_GasFryer	1	1	0.19	0.03
COOK1	SCHCZ14	ROB	2_CK_GasFryerIF	2	1	0	0.03



SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
COOK1	SMOCZ14	ROB	1_CK_GasFryer	1	1	0	0
COOK1	SMOCZ14	ROB	2_CK_GasFryerIF	2	1	0	0
COOK1	WRHCZ14	ROB	1_CK_GasFryer	1	1	0	0
COOK1	WRHCZ14	ROB	2_CK_GasFryerIF	2	1	0	0
VEND2	COLCZ14	RET	2_VN_CldDrnkHE	1	0.56	0	0.07
VEND2	GRCCZ14	RET	2_VN_CldDrnkHE	1	0.41	0	0.11
VEND2	HLTCZ14	RET	2_VN_CldDrnkHE	1	0.32	0	0.03
VEND2	LDGCZ14	RET	2_VN_CldDrnkHE	1	0.55	0	0.06
VEND2	LGOCZ14	RET	2_VN_CldDrnkHE	1	0.67	0	0.05
VEND2	MSCCZ14	RET	2_VN_CldDrnkHE	1	0.06	0	0.11
VEND2	REFCZ14	RET	2_VN_CldDrnkHE	1	0.76	0	0.02
VEND2	RETCZ14	RET	2_VN_CldDrnkHE	1	0.53	0	0.06
VEND2	RSTCZ14	RET	2_VN_CldDrnkHE	1	0.1	0	0.46
VEND2	SCHCZ14	RET	2_VN_CldDrnkHE	1	0.56	0	0.03
VEND2	SMOCZ14	RET	2_VN_CldDrnkHE	1	0.05	0	0.61
VEND2	WRHCZ14	RET	2_VN_CldDrnkHE	1	0.64	0	0.02
VEND1	COLCZ14	RET	2_VN_NonRefHE	1	0.29	0	0.01
VEND1	GRCCZ14	RET	2_VN_NonRefHE	1	0.1	0	0.06
VEND1	HLTCZ14	RET	2_VN_NonRefHE	1	0.18	0	0.03
VEND1	LDGCZ14	RET	2_VN_NonRefHE	1	0.17	0	0.05
VEND1	LGOCZ14	RET	2_VN_NonRefHE	1	0.38	0	0.03
VEND1	MSCCZ14	RET	2_VN_NonRefHE	1	0.03	0	0.05
VEND1	REFCZ14	RET	2_VN_NonRefHE	1	0.53	0	0.01
VEND1	RETCZ14	RET	2_VN_NonRefHE	1	0.23	0	0.03
VEND1	RSTCZ14	RET	2_VN_NonRefHE	1	0.1	0	0.16
VEND1	SCHCZ14	RET	2_VN_NonRefHE	1	0.14	0	0.03
VEND1	SMOCZ14	RET	2_VN_NonRefHE	1	0.02	0	0.15
VEND1	WRHCZ14	RET	2_VN_NonRefHE	1	0.3	0	0.01
OFFICE1	COLCZ14	ROB	1_OF_SmlCopy	1	1	0.32	0.14
OFFICE1	COLCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.14
OFFICE1	GRCCZ14	ROB	1_OF_SmlCopy	1	1	0.29	0.08
OFFICE1	GRCCZ14	ROB	2_OF_SmlCopyES	2	1	0.04	0.08
OFFICE1	HLTCZ14	ROB	1_OF_SmlCopy	1	1	0.31	0.24
OFFICE1	HLTCZ14	ROB	2_OF_SmlCopyES	2	1	0.01	0.24
OFFICE1	LDGCZ14	ROB	1_OF_SmlCopy	1	1	0.25	0.05

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
OFFICE1	LDGCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.05
OFFICE1	LGOCZ14	ROB	1_OF_SmlCopy	1	1	0.48	0.19
OFFICE1	LGOCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.19
OFFICE1	MSCCZ14	ROB	1_OF_SmlCopy	1	1	0.08	0.09
OFFICE1	MSCCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.09
OFFICE1	REFCZ14	ROB	1_OF_SmlCopy	1	1	0.21	0.03
OFFICE1	REFCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.03
OFFICE1	RETCZ14	ROB	1_OF_SmlCopy	1	1	0.34	0.14
OFFICE1	RETCZ14	ROB	2_OF_SmlCopyES	2	1	0.01	0.14
OFFICE1	RSTCZ14	ROB	1_OF_SmlCopy	1	1	0.14	0.22
OFFICE1	RSTCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.22
OFFICE1	SCHCZ14	ROB	1_OF_SmlCopy	1	1	0.52	0.06
OFFICE1	SCHCZ14	ROB	2_OF_SmlCopyES	2	1	0	0.06
OFFICE1	SMOCZ14	ROB	1_OF_SmlCopy	1	1	0.44	0.73
OFFICE1	SMOCZ14	ROB	2_OF_SmlCopyES	2	1	0.02	0.73
OFFICE1	WRHCZ14	ROB	1_OF_SmlCopy	1	1	0.58	0.06
OFFICE1	WRHCZ14	ROB	2_OF_SmlCopyES	2	1	0.02	0.06
WATER3	COLCZ14	RET	2_WH_CircTimer	1	0.29	0	0.02
WATER3	GRCCZ14	RET	2_WH_CircTimer	1	0.08	0	0.03
WATER3	HLTCZ14	RET	2_WH_CircTimer	1	0.21	0.01	0.05
WATER3	LDGCZ14	RET	2_WH_CircTimer	1	0.13	0	0.06
WATER3	LGOCZ14	RET	2_WH_CircTimer	1	0.26	0.01	0.01
WATER3	MSCCZ14	RET	2_WH_CircTimer	1	0.01	0	0.04
WATER3	REFCZ14	RET	2_WH_CircTimer	1	0	0	0
WATER3	RETCZ14	RET	2_WH_CircTimer	1	0.01	0	0.02
WATER3	RSTCZ14	RET	2_WH_CircTimer	1	0.09	0.01	0.21
WATER3	SCHCZ14	RET	2_WH_CircTimer	1	0.16	0.09	0.04
WATER3	SMOCZ14	RET	2_WH_CircTimer	1	0	0	0.19
WATER3	WRHCZ14	RET	2_WH_CircTimer	1	0	0	0
WATER2	COLCZ14	ROB	1_WH_Storage	1	1	0.31	0.03
WATER2	COLCZ14	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	COLCZ14	ROB	3_WH_Instnt	3	1	0.02	0.03
WATER2	GRCCZ14	ROB	1_WH_Storage	1	1	0.25	0.18
WATER2	GRCCZ14	ROB	2_WH_StorageHE	2	1	0	0.18
WATER2	GRCCZ14	ROB	3_WH_Instnt	3	1	0	0.18

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER2	HLTCZ14	ROB	1_WH_Storage	1	1	0.2	0.09
WATER2	HLTCZ14	ROB	2_WH_StorageHE	2	1	0.01	0.09
WATER2	HLTCZ14	ROB	3_WH_Instant	3	1	0.26	0.09
WATER2	LDGCZ14	ROB	1_WH_Storage	1	1	0.27	0.57
WATER2	LDGCZ14	ROB	2_WH_StorageHE	2	1	0	0.57
WATER2	LDGCZ14	ROB	3_WH_Instant	3	1	0	0.57
WATER2	LGOCZ14	ROB	1_WH_Storage	1	1	0.23	0.04
WATER2	LGOCZ14	ROB	2_WH_StorageHE	2	1	0	0.04
WATER2	LGOCZ14	ROB	3_WH_Instant	3	1	0	0.04
WATER2	MSCCZ14	ROB	1_WH_Storage	1	1	0.09	0.13
WATER2	MSCCZ14	ROB	2_WH_StorageHE	2	1	0	0.13
WATER2	MSCCZ14	ROB	3_WH_Instant	3	1	0	0.13
WATER2	REFCZ14	ROB	1_WH_Storage	1	1	0.15	0.03
WATER2	REFCZ14	ROB	2_WH_StorageHE	2	1	0.21	0.03
WATER2	REFCZ14	ROB	3_WH_Instant	3	1	0	0.03
WATER2	RETCZ14	ROB	1_WH_Storage	1	1	0.27	0.1
WATER2	RETCZ14	ROB	2_WH_StorageHE	2	1	0.02	0.1
WATER2	RETCZ14	ROB	3_WH_Instant	3	1	0	0.1
WATER2	RSTCZ14	ROB	1_WH_Storage	1	1	0.51	0.41
WATER2	RSTCZ14	ROB	2_WH_StorageHE	2	1	0	0.41
WATER2	RSTCZ14	ROB	3_WH_Instant	3	1	0	0.41
WATER2	SCHCZ14	ROB	1_WH_Storage	1	1	0.62	0.06
WATER2	SCHCZ14	ROB	2_WH_StorageHE	2	1	0.07	0.06
WATER2	SCHCZ14	ROB	3_WH_Instant	3	1	0	0.06
WATER2	SMOCZ14	ROB	1_WH_Storage	1	1	0.19	0.44
WATER2	SMOCZ14	ROB	2_WH_StorageHE	2	1	0	0.44
WATER2	SMOCZ14	ROB	3_WH_Instant	3	1	0	0.44
WATER2	WRHCZ14	ROB	1_WH_Storage	1	1	0.3	0.03
WATER2	WRHCZ14	ROB	2_WH_StorageHE	2	1	0	0.03
WATER2	WRHCZ14	ROB	3_WH_Instant	3	1	0	0.03
WATER1	COLCZ14	NEW	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	COLCZ14	ROB	1_WH_GasComm	1	1	0.06	0
WATER1	COLCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ14	NEW	1_WH_GasComm	1	1	0	0

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	GRCCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	GRCCZ14	ROB	1_WH_GasComm	1	1	0	0
WATER1	GRCCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	HLTCZ14	NEW	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	HLTCZ14	ROB	1_WH_GasComm	1	1	0.16	0.03
WATER1	HLTCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0.03
WATER1	LDGCZ14	NEW	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LDGCZ14	ROB	1_WH_GasComm	1	1	0.5	0.04
WATER1	LDGCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0.04
WATER1	LGOZ14	NEW	1_WH_GasComm	1	1	0	0
WATER1	LGOZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	LGOZ14	ROB	1_WH_GasComm	1	1	0	0
WATER1	LGOZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	MSCCZ14	NEW	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	MSCCZ14	ROB	1_WH_GasComm	1	1	0.01	0.07
WATER1	MSCCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0.07
WATER1	REFCZ14	NEW	1_WH_GasComm	1	1	0	0
WATER1	REFCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	REFCZ14	ROB	1_WH_GasComm	1	1	0	0
WATER1	REFCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ14	NEW	1_WH_GasComm	1	1	0	0
WATER1	RETCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RETCZ14	ROB	1_WH_GasComm	1	1	0	0
WATER1	RETCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ14	NEW	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	RSTCZ14	ROB	1_WH_GasComm	1	1	0	0
WATER1	RSTCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ14	NEW	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SCHCZ14	ROB	1_WH_GasComm	1	1	0.08	0
WATER1	SCHCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0

SDG&E Commercial Miscellaneous  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
WATER1	SMOCZ14	NEW	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0
WATER1	SMOCZ14	ROB	1_WH_GasComm	1	1	0	0
WATER1	SMOCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0
WATER1	WRHCZ14	NEW	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ14	NEW	2_WH_GasHorzAxis	2	1	0	0.14
WATER1	WRHCZ14	ROB	1_WH_GasComm	1	1	0	0.14
WATER1	WRHCZ14	ROB	2_WH_GasHorzAxis	2	1	0	0.14

PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 1

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ01	ROB	1_REF_WIFanStd	1	1	0.61	1.32
REF_WIEVAPMTR	GRCCZ01	ROB	2_REF_WIFanECM	2	1	0.4	1.32
REF_WIEVAPMTR	REFCZ01	ROB	1_REF_WIFanStd	1	1	0.66	12.91
REF_WIEVAPMTR	REFCZ01	ROB	2_REF_WIFanECM	2	1	0.37	12.91
REF_WIEVAP	GRCCZ01	RET	2_REF_WIFnCtlHE	2	0.42	0	0.19
REF_WIEVAP	REFCZ01	RET	2_REF_WIFnCtlHE	2	0.02	0	0.16
REF_WI	GRCCZ01	RET	2_REF_WICrtnHE	2	0.94	0.28	4.13
REF_WI	REFCZ01	RET	2_REF_WICrtnHE	2	1	0.24	2.5
REF_NITECVRMLT	GRCCZ01	RET	2_REF_NtCvMdHE	2	0.32	0	2.78
REF_NITECVRMLT	REFCZ01	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ01	RET	2_REF_NtCvCfHE	2	0.31	0	3.93
REF_NITECVRCOF	REFCZ01	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ01	RET	2_REF_MPXFHP	2	0.29	0.12	5.79
REF_MPXFHP	REFCZ01	RET	2_REF_MPXFHP	2	0.61	0.1	5.13
REF_MPXEFFCOND	GRCCZ01	ROB	1_REF_MPXStdCnd	1	1	0.29	5.79
REF_MPXEFFCOND	GRCCZ01	ROB	2_REF_MPXOvrCnd	2	1	0	5.79
REF_MPXEFFCOND	REFCZ01	ROB	1_REF_MPXStdCnd	1	1	0.61	5.13
REF_MPXEFFCOND	REFCZ01	ROB	2_REF_MPXOvrCnd	2	1	0	5.13
REF_LTCONVCOMP	GRCCZ01	ROB	1_REF_StdLTComp	1	1	0.17	2.03
REF_LTCONVCOMP	GRCCZ01	ROB	2_REF_HELTComp	2	1	0	2.03
REF_LTCONVCOMP	REFCZ01	ROB	1_REF_StdLTComp	1	1	0.11	1.44
REF_LTCONVCOMP	REFCZ01	ROB	2_REF_HELTComp	2	1	0.11	1.44
REF_GLASSDRMED	GRCCZ01	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRMED	REFCZ01	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ01	RET	2_REF_GIDrLowHE	2	0	0	0
REF_GLASSDRLOW	REFCZ01	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ01	ROB	1_REF_DCFanStd	1	1	0.73	8.98
REF_DCEVAPMTR	GRCCZ01	ROB	2_REF_DCFanPSC	2	1	0.15	8.98
REF_DCEVAPMTR	GRCCZ01	ROB	3_REF_DCFanECM	3	1	0	8.98
REF_DCEVAPMTR	REFCZ01	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ01	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ01	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ01	CON	1_REF_Conv2MPX	1	1	0.24	1.75
REF_CONVSL2MPX	GRCCZ01	CON	2_REF_HEMPX	2	1	0	1.75
REF_CONVSL2MPX	REFCZ01	CON	1_REF_Conv2MPX	1	1	0.19	1.46
REF_CONVSL2MPX	REFCZ01	CON	2_REF_HEMPX	2	1	0	1.46
REF_ASH	GRCCZ01	RET	2_REF_ASHCtrl	2	0.53	0.52	4.12
REF_ASH	REFCZ01	RET	2_REF_ASHCtrl	2	0	0	0

PG&E Commercial Refrigeration  
Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ02	ROB	1_REF_WIFanStd	1	1	0.61	1.32
REF_WIEVAPMTR	GRCCZ02	ROB	2_REF_WIFanECM	2	1	0.4	1.32
REF_WIEVAPMTR	REFCZ02	ROB	1_REF_WIFanStd	1	1	0.66	12.91
REF_WIEVAPMTR	REFCZ02	ROB	2_REF_WIFanECM	2	1	0.37	12.91
REF_WIEVAP	GRCCZ02	RET	2_REF_WIFnCtlHE	2	0.42	0	0.19
REF_WIEVAP	REFCZ02	RET	2_REF_WIFnCtlHE	2	0.02	0	0.16
REF_WI	GRCCZ02	RET	2_REF_WICrtnHE	2	0.94	0.28	4.13
REF_WI	REFCZ02	RET	2_REF_WICrtnHE	2	1	0.24	2.5
REF_NITECVRMLT	GRCCZ02	RET	2_REF_NtCvMdHE	2	0.32	0	2.78
REF_NITECVRMLT	REFCZ02	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ02	RET	2_REF_NtCvCfHE	2	0.31	0	3.93
REF_NITECVRCOF	REFCZ02	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ02	RET	2_REF_MPXFHP	2	0.29	0.12	5.79
REF_MPXFHP	REFCZ02	RET	2_REF_MPXFHP	2	0.61	0.1	5.13
REF_MPXEFFCOND	GRCCZ02	ROB	1_REF_MPXStdCnd	1	1	0.29	5.79
REF_MPXEFFCOND	GRCCZ02	ROB	2_REF_MPXOvrCnd	2	1	0	5.79
REF_MPXEFFCOND	REFCZ02	ROB	1_REF_MPXStdCnd	1	1	0.61	5.13
REF_MPXEFFCOND	REFCZ02	ROB	2_REF_MPXOvrCnd	2	1	0	5.13
REF_LTCONVCOMP	GRCCZ02	ROB	1_REF_StdLTComp	1	1	0.17	2.03
REF_LTCONVCOMP	GRCCZ02	ROB	2_REF_HELTComp	2	1	0	2.03
REF_LTCONVCOMP	REFCZ02	ROB	1_REF_StdLTComp	1	1	0.11	1.44
REF_LTCONVCOMP	REFCZ02	ROB	2_REF_HELTComp	2	1	0.11	1.44
REF_GLASSDRMED	GRCCZ02	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRMED	REFCZ02	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ02	RET	2_REF_GIDrLowHE	2	0	0	0
REF_GLASSDRLOW	REFCZ02	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ02	ROB	1_REF_DCFanStd	1	1	0.73	8.98
REF_DCEVAPMTR	GRCCZ02	ROB	2_REF_DCFanPSC	2	1	0.15	8.98
REF_DCEVAPMTR	GRCCZ02	ROB	3_REF_DCFanECM	3	1	0	8.98
REF_DCEVAPMTR	REFCZ02	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ02	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ02	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ02	CON	1_REF_Conv2MPX	1	1	0.24	1.75
REF_CONVSL2MPX	GRCCZ02	CON	2_REF_HEMPX	2	1	0	1.75
REF_CONVSL2MPX	REFCZ02	CON	1_REF_Conv2MPX	1	1	0.19	1.46
REF_CONVSL2MPX	REFCZ02	CON	2_REF_HEMPX	2	1	0	1.46

PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 2

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ02	RET	2_REF_ASHCtrl	2	0.53	0.52	4.12
REF_ASH	REFCZ02	RET	2_REF_ASHCtrl	2	0	0	0



PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ03	ROB	1_REF_WIFanStd	1	1	0.61	1.32
REF_WIEVAPMTR	GRCCZ03	ROB	2_REF_WIFanECM	2	1	0.4	1.32
REF_WIEVAPMTR	REFCZ03	ROB	1_REF_WIFanStd	1	1	0.66	12.91
REF_WIEVAPMTR	REFCZ03	ROB	2_REF_WIFanECM	2	1	0.37	12.91
REF_WIEVAP	GRCCZ03	RET	2_REF_WIFnCtlHE	2	0.42	0	0.19
REF_WIEVAP	REFCZ03	RET	2_REF_WIFnCtlHE	2	0.02	0	0.16
REF_WI	GRCCZ03	RET	2_REF_WICrtnHE	2	0.94	0.28	4.13
REF_WI	REFCZ03	RET	2_REF_WICrtnHE	2	1	0.24	2.5
REF_NITECVRMLT	GRCCZ03	RET	2_REF_NtCvMdHE	2	0.32	0	2.78
REF_NITECVRMLT	REFCZ03	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ03	RET	2_REF_NtCvCfHE	2	0.31	0	3.93
REF_NITECVRCOF	REFCZ03	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ03	RET	2_REF_MPXFHP	2	0.29	0.12	5.79
REF_MPXFHP	REFCZ03	RET	2_REF_MPXFHP	2	0.61	0.1	5.13
REF_MPXEFFCOND	GRCCZ03	ROB	1_REF_MPXStdCnd	1	1	0.29	5.79
REF_MPXEFFCOND	GRCCZ03	ROB	2_REF_MPXOvrCnd	2	1	0	5.79
REF_MPXEFFCOND	REFCZ03	ROB	1_REF_MPXStdCnd	1	1	0.61	5.13
REF_MPXEFFCOND	REFCZ03	ROB	2_REF_MPXOvrCnd	2	1	0	5.13
REF_LTCONVCOMP	GRCCZ03	ROB	1_REF_StdLTComp	1	1	0.17	2.03
REF_LTCONVCOMP	GRCCZ03	ROB	2_REF_HELTComp	2	1	0	2.03
REF_LTCONVCOMP	REFCZ03	ROB	1_REF_StdLTComp	1	1	0.11	1.44
REF_LTCONVCOMP	REFCZ03	ROB	2_REF_HELTComp	2	1	0.11	1.44
REF_GLASSDRMED	GRCCZ03	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRMED	REFCZ03	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ03	RET	2_REF_GIDrLowHE	2	0	0	0
REF_GLASSDRLOW	REFCZ03	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ03	ROB	1_REF_DCFanStd	1	1	0.73	8.98
REF_DCEVAPMTR	GRCCZ03	ROB	2_REF_DCFanPSC	2	1	0.15	8.98
REF_DCEVAPMTR	GRCCZ03	ROB	3_REF_DCFanECM	3	1	0	8.98
REF_DCEVAPMTR	REFCZ03	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ03	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ03	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ03	CON	1_REF_Conv2MPX	1	1	0.24	1.75
REF_CONVSL2MPX	GRCCZ03	CON	2_REF_HEMPX	2	1	0	1.75
REF_CONVSL2MPX	REFCZ03	CON	1_REF_Conv2MPX	1	1	0.19	1.46

PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 3A

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_CONVSL2MPX	REFCZ03	CON	2_REF_HEMPX	2	1	0	1.46
REF_ASH	GRCCZ03	RET	2_REF_ASHCtrl	2	0.53	0.52	4.12
REF_ASH	REFCZ03	RET	2_REF_ASHCtrl	2	0	0	0

PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ03	ROB	1_REF_WIFanStd	1	1	0.61	1.32
REF_WIEVAPMTR	GRCCZ03	ROB	2_REF_WIFanECM	2	1	0.4	1.32
REF_WIEVAPMTR	REFCZ03	ROB	1_REF_WIFanStd	1	1	0.66	12.91
REF_WIEVAPMTR	REFCZ03	ROB	2_REF_WIFanECM	2	1	0.37	12.91
REF_WIEVAP	GRCCZ03	RET	2_REF_WIFnCtlHE	2	0.42	0	0.19
REF_WIEVAP	REFCZ03	RET	2_REF_WIFnCtlHE	2	0.02	0	0.16
REF_WI	GRCCZ03	RET	2_REF_WICrtnHE	2	0.94	0.28	4.13
REF_WI	REFCZ03	RET	2_REF_WICrtnHE	2	1	0.24	2.5
REF_NITECVRMLT	GRCCZ03	RET	2_REF_NtCvMdHE	2	0.32	0	2.78
REF_NITECVRMLT	REFCZ03	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ03	RET	2_REF_NtCvCfHE	2	0.31	0	3.93
REF_NITECVRCOF	REFCZ03	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ03	RET	2_REF_MPXFHP	2	0.29	0.12	5.79
REF_MPXFHP	REFCZ03	RET	2_REF_MPXFHP	2	0.61	0.1	5.13
REF_MPXEFFCOND	GRCCZ03	ROB	1_REF_MPXStdCnd	1	1	0.29	5.79
REF_MPXEFFCOND	GRCCZ03	ROB	2_REF_MPXOvrCnd	2	1	0	5.79
REF_MPXEFFCOND	REFCZ03	ROB	1_REF_MPXStdCnd	1	1	0.61	5.13
REF_MPXEFFCOND	REFCZ03	ROB	2_REF_MPXOvrCnd	2	1	0	5.13
REF_LTCONVCOMP	GRCCZ03	ROB	1_REF_StdLTComp	1	1	0.17	2.03
REF_LTCONVCOMP	GRCCZ03	ROB	2_REF_HELTComp	2	1	0	2.03
REF_LTCONVCOMP	REFCZ03	ROB	1_REF_StdLTComp	1	1	0.11	1.44
REF_LTCONVCOMP	REFCZ03	ROB	2_REF_HELTComp	2	1	0.11	1.44
REF_GLASSDRMED	GRCCZ03	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRMED	REFCZ03	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ03	RET	2_REF_GIDrLowHE	2	0	0	0
REF_GLASSDRLOW	REFCZ03	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ03	ROB	1_REF_DCFanStd	1	1	0.73	8.98
REF_DCEVAPMTR	GRCCZ03	ROB	2_REF_DCFanPSC	2	1	0.15	8.98
REF_DCEVAPMTR	GRCCZ03	ROB	3_REF_DCFanECM	3	1	0	8.98
REF_DCEVAPMTR	REFCZ03	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ03	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ03	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ03	CON	1_REF_Conv2MPX	1	1	0.24	1.75
REF_CONVSL2MPX	GRCCZ03	CON	2_REF_HEMPX	2	1	0	1.75
REF_CONVSL2MPX	REFCZ03	CON	1_REF_Conv2MPX	1	1	0.19	1.46
REF_CONVSL2MPX	REFCZ03	CON	2_REF_HEMPX	2	1	0	1.46

PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 3B

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ03	RET	2_REF_ASHCtrl	2	0.53	0.52	4.12
REF_ASH	REFCZ03	RET	2_REF_ASHCtrl	2	0	0	0

PG&E Commercial Refrigeration  
Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ04	ROB	1_REF_WIFanStd	1	1	0.61	1.32
REF_WIEVAPMTR	GRCCZ04	ROB	2_REF_WIFanECM	2	1	0.4	1.32
REF_WIEVAPMTR	REFCZ04	ROB	1_REF_WIFanStd	1	1	0.66	12.91
REF_WIEVAPMTR	REFCZ04	ROB	2_REF_WIFanECM	2	1	0.37	12.91
REF_WIEVAP	GRCCZ04	RET	2_REF_WIFnCtlHE	2	0.42	0	0.19
REF_WIEVAP	REFCZ04	RET	2_REF_WIFnCtlHE	2	0.02	0	0.16
REF_WI	GRCCZ04	RET	2_REF_WICrtnHE	2	0.94	0.28	4.13
REF_WI	REFCZ04	RET	2_REF_WICrtnHE	2	1	0.24	2.5
REF_NITECVRMLT	GRCCZ04	RET	2_REF_NtCvMdHE	2	0.32	0	2.78
REF_NITECVRMLT	REFCZ04	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ04	RET	2_REF_NtCvCfHE	2	0.31	0	3.93
REF_NITECVRCOF	REFCZ04	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ04	RET	2_REF_MPXFHP	2	0.29	0.12	5.79
REF_MPXFHP	REFCZ04	RET	2_REF_MPXFHP	2	0.61	0.1	5.13
REF_MPXEFFCOND	GRCCZ04	ROB	1_REF_MPXStdCnd	1	1	0.29	5.79
REF_MPXEFFCOND	GRCCZ04	ROB	2_REF_MPXOvrCnd	2	1	0	5.79
REF_MPXEFFCOND	REFCZ04	ROB	1_REF_MPXStdCnd	1	1	0.61	5.13
REF_MPXEFFCOND	REFCZ04	ROB	2_REF_MPXOvrCnd	2	1	0	5.13
REF_LTCONVCOMP	GRCCZ04	ROB	1_REF_StdLTComp	1	1	0.17	2.03
REF_LTCONVCOMP	GRCCZ04	ROB	2_REF_HELTComp	2	1	0	2.03
REF_LTCONVCOMP	REFCZ04	ROB	1_REF_StdLTComp	1	1	0.11	1.44
REF_LTCONVCOMP	REFCZ04	ROB	2_REF_HELTComp	2	1	0.11	1.44
REF_GLASSDRMED	GRCCZ04	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRMED	REFCZ04	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ04	RET	2_REF_GIDrLowHE	2	0	0	0
REF_GLASSDRLOW	REFCZ04	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ04	ROB	1_REF_DCFanStd	1	1	0.73	8.98
REF_DCEVAPMTR	GRCCZ04	ROB	2_REF_DCFanPSC	2	1	0.15	8.98
REF_DCEVAPMTR	GRCCZ04	ROB	3_REF_DCFanECM	3	1	0	8.98
REF_DCEVAPMTR	REFCZ04	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ04	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ04	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ04	CON	1_REF_Conv2MPX	1	1	0.24	1.75
REF_CONVSL2MPX	GRCCZ04	CON	2_REF_HEMPX	2	1	0	1.75
REF_CONVSL2MPX	REFCZ04	CON	1_REF_Conv2MPX	1	1	0.19	1.46
REF_CONVSL2MPX	REFCZ04	CON	2_REF_HEMPX	2	1	0	1.46

PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 4

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ04	RET	2_REF_ASHCtrl	2	0.53	0.52	4.12
REF_ASH	REFCZ04	RET	2_REF_ASHCtrl	2	0	0	0

PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 5

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ05	ROB	1_REF_WIFanStd	1	1	0.61	1.32
REF_WIEVAPMTR	GRCCZ05	ROB	2_REF_WIFanECM	2	1	0.4	1.32
REF_WIEVAPMTR	REFCZ05	ROB	1_REF_WIFanStd	1	1	0.66	12.91
REF_WIEVAPMTR	REFCZ05	ROB	2_REF_WIFanECM	2	1	0.37	12.91
REF_WIEVAP	GRCCZ05	RET	2_REF_WIFnCtlHE	2	0.42	0	0.19
REF_WIEVAP	REFCZ05	RET	2_REF_WIFnCtlHE	2	0.02	0	0.16
REF_WI	GRCCZ05	RET	2_REF_WICrtnHE	2	0.94	0.28	4.13
REF_WI	REFCZ05	RET	2_REF_WICrtnHE	2	1	0.24	2.5
REF_NITECVRMLT	GRCCZ05	RET	2_REF_NtCvMdHE	2	0.32	0	2.78
REF_NITECVRMLT	REFCZ05	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ05	RET	2_REF_NtCvCfHE	2	0.31	0	3.93
REF_NITECVRCOF	REFCZ05	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ05	RET	2_REF_MPXFHP	2	0.29	0.12	5.79
REF_MPXFHP	REFCZ05	RET	2_REF_MPXFHP	2	0.61	0.1	5.13
REF_MPXEFFCOND	GRCCZ05	ROB	1_REF_MPXStdCnd	1	1	0.29	5.79
REF_MPXEFFCOND	GRCCZ05	ROB	2_REF_MPXOvrCnd	2	1	0	5.79
REF_MPXEFFCOND	REFCZ05	ROB	1_REF_MPXStdCnd	1	1	0.61	5.13
REF_MPXEFFCOND	REFCZ05	ROB	2_REF_MPXOvrCnd	2	1	0	5.13
REF_LTCONVCOMP	GRCCZ05	ROB	1_REF_StdLTComp	1	1	0.17	2.03
REF_LTCONVCOMP	GRCCZ05	ROB	2_REF_HELTComp	2	1	0	2.03
REF_LTCONVCOMP	REFCZ05	ROB	1_REF_StdLTComp	1	1	0.11	1.44
REF_LTCONVCOMP	REFCZ05	ROB	2_REF_HELTComp	2	1	0.11	1.44
REF_GLASSDRMED	GRCCZ05	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRMED	REFCZ05	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ05	RET	2_REF_GIDrLowHE	2	0	0	0
REF_GLASSDRLOW	REFCZ05	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ05	ROB	1_REF_DCFanStd	1	1	0.73	8.98
REF_DCEVAPMTR	GRCCZ05	ROB	2_REF_DCFanPSC	2	1	0.15	8.98
REF_DCEVAPMTR	GRCCZ05	ROB	3_REF_DCFanECM	3	1	0	8.98
REF_DCEVAPMTR	REFCZ05	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ05	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ05	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ05	CON	1_REF_Conv2MPX	1	1	0.24	1.75
REF_CONVSL2MPX	GRCCZ05	CON	2_REF_HEMPX	2	1	0	1.75
REF_CONVSL2MPX	REFCZ05	CON	1_REF_Conv2MPX	1	1	0.19	1.46
REF_CONVSL2MPX	REFCZ05	CON	2_REF_HEMPX	2	1	0	1.46
REF_ASH	GRCCZ05	RET	2_REF_ASHCtrl	2	0.53	0.52	4.12
REF_ASH	REFCZ05	RET	2_REF_ASHCtrl	2	0	0	0

PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ11	ROB	1_REF_WIFanStd	1	1	0.66	1.8
REF_WIEVAPMTR	GRCCZ11	ROB	2_REF_WIFanECM	2	1	0.36	1.8
REF_WIEVAPMTR	REFCZ11	ROB	1_REF_WIFanStd	1	1	0.41	9.45
REF_WIEVAPMTR	REFCZ11	ROB	2_REF_WIFanECM	2	1	0.59	9.45
REF_WIEVAP	GRCCZ11	RET	2_REF_WIFnCtlHE	2	0.55	0	0.22
REF_WIEVAP	REFCZ11	RET	2_REF_WIFnCtlHE	2	0.25	0	0.29
REF_WI	GRCCZ11	RET	2_REF_WICrtnHE	2	0.95	0.38	4.96
REF_WI	REFCZ11	RET	2_REF_WICrtnHE	2	1	0.28	1.9
REF_NITECVRMLT	GRCCZ11	RET	2_REF_NtCvMdHE	2	0.47	0	5.8
REF_NITECVRMLT	REFCZ11	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ11	RET	2_REF_NtCvCfHE	2	0.4	0	1.65
REF_NITECVRCOF	REFCZ11	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ11	RET	2_REF_MPXFHP	2	0.34	0	2.31
REF_MPXFHP	REFCZ11	RET	2_REF_MPXFHP	2	0.1	0	12.81
REF_MPXEFFCOND	GRCCZ11	ROB	1_REF_MPXStdCnd	1	1	0.34	2.31
REF_MPXEFFCOND	GRCCZ11	ROB	2_REF_MPXOvrCnd	2	1	0	2.31
REF_MPXEFFCOND	REFCZ11	ROB	1_REF_MPXStdCnd	1	1	0.1	12.81
REF_MPXEFFCOND	REFCZ11	ROB	2_REF_MPXOvrCnd	2	1	0	12.81
REF_LTCONVCOMP	GRCCZ11	ROB	1_REF_StdLTComp	1	1	0.29	1.27
REF_LTCONVCOMP	GRCCZ11	ROB	2_REF_HELTComp	2	1	0.02	1.27
REF_LTCONVCOMP	REFCZ11	ROB	1_REF_StdLTComp	1	1	0.22	2.95
REF_LTCONVCOMP	REFCZ11	ROB	2_REF_HELTComp	2	1	0.1	2.95
REF_GLASSDRMED	GRCCZ11	RET	2_REF_GIDrMedHE	2	0.06	0	7.76
REF_GLASSDRMED	REFCZ11	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ11	RET	2_REF_GIDrLowHE	2	0.11	0	1.92
REF_GLASSDRLOW	REFCZ11	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ11	ROB	1_REF_DCFanStd	1	1	0.58	9.27
REF_DCEVAPMTR	GRCCZ11	ROB	2_REF_DCFanPSC	2	1	0.34	9.27
REF_DCEVAPMTR	GRCCZ11	ROB	3_REF_DCFanECM	3	1	0	9.27
REF_DCEVAPMTR	REFCZ11	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ11	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ11	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ11	CON	1_REF_Conv2MPX	1	1	0.22	2.49
REF_CONVSL2MPX	GRCCZ11	CON	2_REF_HEMPX	2	1	0	2.49
REF_CONVSL2MPX	REFCZ11	CON	1_REF_Conv2MPX	1	1	0.18	2.01
REF_CONVSL2MPX	REFCZ11	CON	2_REF_HEMPX	2	1	0	2.01



PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 11

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ11	RET	2_REF_ASHCtrl	2	0.7	0.51	4.05
REF_ASH	REFCZ11	RET	2_REF_ASHCtrl	2	0	0	0

PG&E Commercial Refrigeration  
Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ12	ROB	1_REF_WIFanStd	1	1	0.66	1.8
REF_WIEVAPMTR	GRCCZ12	ROB	2_REF_WIFanECM	2	1	0.36	1.8
REF_WIEVAPMTR	REFCZ12	ROB	1_REF_WIFanStd	1	1	0.41	9.45
REF_WIEVAPMTR	REFCZ12	ROB	2_REF_WIFanECM	2	1	0.59	9.45
REF_WIEVAP	GRCCZ12	RET	2_REF_WIFnCtlHE	2	0.55	0	0.22
REF_WIEVAP	REFCZ12	RET	2_REF_WIFnCtlHE	2	0.25	0	0.29
REF_WI	GRCCZ12	RET	2_REF_WICrtnHE	2	0.95	0.38	4.96
REF_WI	REFCZ12	RET	2_REF_WICrtnHE	2	1	0.28	1.9
REF_NITECVRMLT	GRCCZ12	RET	2_REF_NtCvMdHE	2	0.47	0	5.8
REF_NITECVRMLT	REFCZ12	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ12	RET	2_REF_NtCvCfHE	2	0.4	0	1.65
REF_NITECVRCOF	REFCZ12	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ12	RET	2_REF_MPXFHP	2	0.34	0	2.31
REF_MPXFHP	REFCZ12	RET	2_REF_MPXFHP	2	0.1	0	12.81
REF_MPXEFFCOND	GRCCZ12	ROB	1_REF_MPXStdCnd	1	1	0.34	2.31
REF_MPXEFFCOND	GRCCZ12	ROB	2_REF_MPXOvrCnd	2	1	0	2.31
REF_MPXEFFCOND	REFCZ12	ROB	1_REF_MPXStdCnd	1	1	0.1	12.81
REF_MPXEFFCOND	REFCZ12	ROB	2_REF_MPXOvrCnd	2	1	0	12.81
REF_LTCONVCOMP	GRCCZ12	ROB	1_REF_StdLTComp	1	1	0.29	1.27
REF_LTCONVCOMP	GRCCZ12	ROB	2_REF_HELTComp	2	1	0.02	1.27
REF_LTCONVCOMP	REFCZ12	ROB	1_REF_StdLTComp	1	1	0.22	2.95
REF_LTCONVCOMP	REFCZ12	ROB	2_REF_HELTComp	2	1	0.1	2.95
REF_GLASSDRMED	GRCCZ12	RET	2_REF_GIDrMedHE	2	0.06	0	7.76
REF_GLASSDRMED	REFCZ12	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ12	RET	2_REF_GIDrLowHE	2	0.11	0	1.92
REF_GLASSDRLOW	REFCZ12	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ12	ROB	1_REF_DCFanStd	1	1	0.58	9.27
REF_DCEVAPMTR	GRCCZ12	ROB	2_REF_DCFanPSC	2	1	0.34	9.27
REF_DCEVAPMTR	GRCCZ12	ROB	3_REF_DCFanECM	3	1	0	9.27
REF_DCEVAPMTR	REFCZ12	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ12	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ12	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ12	CON	1_REF_Conv2MPX	1	1	0.22	2.49
REF_CONVSL2MPX	GRCCZ12	CON	2_REF_HEMPX	2	1	0	2.49
REF_CONVSL2MPX	REFCZ12	CON	1_REF_Conv2MPX	1	1	0.18	2.01
REF_CONVSL2MPX	REFCZ12	CON	2_REF_HEMPX	2	1	0	2.01

PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 12

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ12	RET	2_REF_ASHCtrl	2	0.7	0.51	4.05
REF_ASH	REFCZ12	RET	2_REF_ASHCtrl	2	0	0	0

PG&E Commercial Refrigeration  
Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ13	ROB	1_REF_WIFanStd	1	1	0.66	1.8
REF_WIEVAPMTR	GRCCZ13	ROB	2_REF_WIFanECM	2	1	0.36	1.8
REF_WIEVAPMTR	REFCZ13	ROB	1_REF_WIFanStd	1	1	0.41	9.45
REF_WIEVAPMTR	REFCZ13	ROB	2_REF_WIFanECM	2	1	0.59	9.45
REF_WIEVAP	GRCCZ13	RET	2_REF_WIFnCtlHE	2	0.55	0	0.22
REF_WIEVAP	REFCZ13	RET	2_REF_WIFnCtlHE	2	0.25	0	0.29
REF_WI	GRCCZ13	RET	2_REF_WICrtnHE	2	0.95	0.38	4.96
REF_WI	REFCZ13	RET	2_REF_WICrtnHE	2	1	0.28	1.9
REF_NITECVRMLT	GRCCZ13	RET	2_REF_NtCvMdHE	2	0.47	0	5.8
REF_NITECVRMLT	REFCZ13	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ13	RET	2_REF_NtCvCfHE	2	0.4	0	1.65
REF_NITECVRCOF	REFCZ13	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ13	RET	2_REF_MPXFHP	2	0.34	0	2.31
REF_MPXFHP	REFCZ13	RET	2_REF_MPXFHP	2	0.1	0	12.81
REF_MPXEFFCOND	GRCCZ13	ROB	1_REF_MPXStdCnd	1	1	0.34	2.31
REF_MPXEFFCOND	GRCCZ13	ROB	2_REF_MPXOvrCnd	2	1	0	2.31
REF_MPXEFFCOND	REFCZ13	ROB	1_REF_MPXStdCnd	1	1	0.1	12.81
REF_MPXEFFCOND	REFCZ13	ROB	2_REF_MPXOvrCnd	2	1	0	12.81
REF_LTCONVCOMP	GRCCZ13	ROB	1_REF_StdLTComp	1	1	0.29	1.27
REF_LTCONVCOMP	GRCCZ13	ROB	2_REF_HELTComp	2	1	0.02	1.27
REF_LTCONVCOMP	REFCZ13	ROB	1_REF_StdLTComp	1	1	0.22	2.95
REF_LTCONVCOMP	REFCZ13	ROB	2_REF_HELTComp	2	1	0.1	2.95
REF_GLASSDRMED	GRCCZ13	RET	2_REF_GIDrMedHE	2	0.06	0	7.76
REF_GLASSDRMED	REFCZ13	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ13	RET	2_REF_GIDrLowHE	2	0.11	0	1.92
REF_GLASSDRLOW	REFCZ13	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ13	ROB	1_REF_DCFanStd	1	1	0.58	9.27
REF_DCEVAPMTR	GRCCZ13	ROB	2_REF_DCFanPSC	2	1	0.34	9.27
REF_DCEVAPMTR	GRCCZ13	ROB	3_REF_DCFanECM	3	1	0	9.27
REF_DCEVAPMTR	REFCZ13	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ13	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ13	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ13	CON	1_REF_Conv2MPX	1	1	0.22	2.49
REF_CONVSL2MPX	GRCCZ13	CON	2_REF_HEMPX	2	1	0	2.49
REF_CONVSL2MPX	REFCZ13	CON	1_REF_Conv2MPX	1	1	0.18	2.01

PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_CONVSL2MPX	REFCZ13	CON	2_REF_HEMPX	2	1	0	2.01
REF_ASH	GRCCZ13	RET	2_REF_ASHCtrl	2	0.7	0.51	4.05
REF_ASH	REFCZ13	RET	2_REF_ASHCtrl	2	0	0	0

PG&E Commercial Refrigeration  
Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ16	ROB	1_REF_WIFanStd	1	1	0.66	1.8
REF_WIEVAPMTR	GRCCZ16	ROB	2_REF_WIFanECM	2	1	0.36	1.8
REF_WIEVAPMTR	REFCZ16	ROB	1_REF_WIFanStd	1	1	0.41	9.45
REF_WIEVAPMTR	REFCZ16	ROB	2_REF_WIFanECM	2	1	0.59	9.45
REF_WIEVAP	GRCCZ16	RET	2_REF_WIFnCtlHE	2	1	0	0.22
REF_WIEVAP	REFCZ16	RET	2_REF_WIFnCtlHE	2	1	0	0.29
REF_WI	GRCCZ16	RET	2_REF_WICrtnHE	2	1	0.38	4.96
REF_WI	REFCZ16	RET	2_REF_WICrtnHE	2	1	0.28	1.9
REF_NITECVRMLT	GRCCZ16	RET	2_REF_NtCvMdHE	2	1	0	5.8
REF_NITECVRMLT	REFCZ16	RET	2_REF_NtCvMdHE	2	1	0	0
REF_NITECVRCOF	GRCCZ16	RET	2_REF_NtCvCfHE	2	1	0	1.65
REF_NITECVRCOF	REFCZ16	RET	2_REF_NtCvCfHE	2	1	0	0
REF_MPXFHP	GRCCZ16	RET	2_REF_MPXFHP	2	1	0	2.31
REF_MPXFHP	REFCZ16	RET	2_REF_MPXFHP	2	1	0	12.81
REF_MPXEFFCOND	GRCCZ16	ROB	1_REF_MPXStdCnd	1	1	0.34	2.31
REF_MPXEFFCOND	GRCCZ16	ROB	2_REF_MPXOvrCnd	2	1	0	2.31
REF_MPXEFFCOND	REFCZ16	ROB	1_REF_MPXStdCnd	1	1	0.1	12.81
REF_MPXEFFCOND	REFCZ16	ROB	2_REF_MPXOvrCnd	2	1	0	12.81
REF_LTCONVCOMP	GRCCZ16	ROB	1_REF_StdLTComp	1	1	0.29	1.27
REF_LTCONVCOMP	GRCCZ16	ROB	2_REF_HELTComp	2	1	0.02	1.27
REF_LTCONVCOMP	REFCZ16	ROB	1_REF_StdLTComp	1	1	0.22	2.95
REF_LTCONVCOMP	REFCZ16	ROB	2_REF_HELTComp	2	1	0.1	2.95
REF_GLASSDRMED	GRCCZ16	RET	2_REF_GIDrMedHE	2	1	0	7.76
REF_GLASSDRMED	REFCZ16	RET	2_REF_GIDrMedHE	2	1	0	0
REF_GLASSDRLOW	GRCCZ16	RET	2_REF_GIDrLowHE	2	1	0	1.92
REF_GLASSDRLOW	REFCZ16	RET	2_REF_GIDrLowHE	2	1	0	0
REF_DCEVAPMTR	GRCCZ16	ROB	1_REF_DCFanStd	1	1	0.58	9.27
REF_DCEVAPMTR	GRCCZ16	ROB	2_REF_DCFanPSC	2	1	0.34	9.27
REF_DCEVAPMTR	GRCCZ16	ROB	3_REF_DCFanECM	3	1	0	9.27
REF_DCEVAPMTR	REFCZ16	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ16	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ16	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ16	CON	1_REF_Conv2MPX	1	1	0.22	2.49
REF_CONVSL2MPX	GRCCZ16	CON	2_REF_HEMPX	2	1	0	2.49
REF_CONVSL2MPX	REFCZ16	CON	1_REF_Conv2MPX	1	1	0.18	2.01
REF_CONVSL2MPX	REFCZ16	CON	2_REF_HEMPX	2	1	0	2.01

PG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ16	RET	2_REF_ASHCtrl	2	1	0.51	4.05
REF_ASH	REFCZ16	RET	2_REF_ASHCtrl	2	1	0	0

SCE Commercial Refrigeration  
Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ06	ROB	1_REF_WIFanStd	1	1	0.5	1.57
REF_WIEVAPMTR	GRCCZ06	ROB	2_REF_WIFanECM	2	1	0.57	1.57
REF_WIEVAPMTR	REFCZ06	ROB	1_REF_WIFanStd	1	1	0.78	10.94
REF_WIEVAPMTR	REFCZ06	ROB	2_REF_WIFanECM	2	1	0.22	10.94
REF_WIEVAP	GRCCZ06	RET	2_REF_WIFnCtlHE	2	0.46	0	0.26
REF_WIEVAP	REFCZ06	RET	2_REF_WIFnCtlHE	2	0	0	0
REF_WI	GRCCZ06	RET	2_REF_WICrtnHE	2	1	0.29	4.85
REF_WI	REFCZ06	RET	2_REF_WICrtnHE	2	1	0.39	2.06
REF_NITECVRMLT	GRCCZ06	RET	2_REF_NtCvMdHE	2	0.06	0	3.73
REF_NITECVRMLT	REFCZ06	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ06	RET	2_REF_NtCvCfHE	2	0.21	0	3.35
REF_NITECVRCOF	REFCZ06	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ06	RET	2_REF_MPXFHP	2	0.49	0.49	4.1
REF_MPXFHP	REFCZ06	RET	2_REF_MPXFHP	2	0.22	0	4.18
REF_MPXEFFCOND	GRCCZ06	ROB	1_REF_MPXStdCnd	1	1	0.49	4.1
REF_MPXEFFCOND	GRCCZ06	ROB	2_REF_MPXOvrCnd	2	1	0	4.1
REF_MPXEFFCOND	REFCZ06	ROB	1_REF_MPXStdCnd	1	1	0.22	4.18
REF_MPXEFFCOND	REFCZ06	ROB	2_REF_MPXOvrCnd	2	1	0	4.18
REF_LTCONVCOMP	GRCCZ06	ROB	1_REF_StdLTComp	1	1	0.17	1.27
REF_LTCONVCOMP	GRCCZ06	ROB	2_REF_HELTComp	2	1	0.06	1.27
REF_LTCONVCOMP	REFCZ06	ROB	1_REF_StdLTComp	1	1	0	0
REF_LTCONVCOMP	REFCZ06	ROB	2_REF_HELTComp	2	1	0	0
REF_GLASSDRMED	GRCCZ06	RET	2_REF_GIDrMedHE	2	0.36	0	1.46
REF_GLASSDRMED	REFCZ06	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ06	RET	2_REF_GIDrLowHE	2	0.1	0	3.84
REF_GLASSDRLOW	REFCZ06	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ06	ROB	1_REF_DCFanStd	1	1	0.35	8.96
REF_DCEVAPMTR	GRCCZ06	ROB	2_REF_DCFanPSC	2	1	0.49	8.96
REF_DCEVAPMTR	GRCCZ06	ROB	3_REF_DCFanECM	3	1	0	8.96
REF_DCEVAPMTR	REFCZ06	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ06	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ06	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ06	CON	1_REF_Conv2MPX	1	1	0.14	2.65
REF_CONVSL2MPX	GRCCZ06	CON	2_REF_HEMPX	2	1	0	2.65
REF_CONVSL2MPX	REFCZ06	CON	1_REF_Conv2MPX	1	1	0	0
REF_CONVSL2MPX	REFCZ06	CON	2_REF_HEMPX	2	1	0	0



SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 6

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ06	RET	2_REF_ASHCtrl	2	0.62	0.52	4.32
REF_ASH	REFCZ06	RET	2_REF_ASHCtrl	2	0	0	0

SCE Commercial Refrigeration  
Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ08	ROB	1_REF_WIFanStd	1	1	0.78	1.75
REF_WIEVAPMTR	GRCCZ08	ROB	2_REF_WIFanECM	2	1	0.06	1.75
REF_WIEVAPMTR	REFCZ08	ROB	1_REF_WIFanStd	1	1	0.68	6.96
REF_WIEVAPMTR	REFCZ08	ROB	2_REF_WIFanECM	2	1	0.32	6.96
REF_WIEVAP	GRCCZ08	RET	2_REF_WIFnCtlHE	2	0.6	0	0.2
REF_WIEVAP	REFCZ08	RET	2_REF_WIFnCtlHE	2	0.28	0	0.11
REF_WI	GRCCZ08	RET	2_REF_WICrtnHE	2	0.84	0.17	5.28
REF_WI	REFCZ08	RET	2_REF_WICrtnHE	2	1	0.52	1.46
REF_NITECVRMLT	GRCCZ08	RET	2_REF_NtCvMdHE	2	0.29	0	3.9
REF_NITECVRMLT	REFCZ08	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ08	RET	2_REF_NtCvCfHE	2	0.21	0	5.46
REF_NITECVRCOF	REFCZ08	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ08	RET	2_REF_MPXFHP	2	0.11	0.08	3.68
REF_MPXFHP	REFCZ08	RET	2_REF_MPXFHP	2	0.33	0.08	3.95
REF_MPXEFFCOND	GRCCZ08	ROB	1_REF_MPXStdCnd	1	1	0.11	3.68
REF_MPXEFFCOND	GRCCZ08	ROB	2_REF_MPXOvrCnd	2	1	0	3.68
REF_MPXEFFCOND	REFCZ08	ROB	1_REF_MPXStdCnd	1	1	0.33	3.95
REF_MPXEFFCOND	REFCZ08	ROB	2_REF_MPXOvrCnd	2	1	0	3.95
REF_LTCONVCOMP	GRCCZ08	ROB	1_REF_StdLTComp	1	1	0.34	1.8
REF_LTCONVCOMP	GRCCZ08	ROB	2_REF_HELTComp	2	1	0	1.8
REF_LTCONVCOMP	REFCZ08	ROB	1_REF_StdLTComp	1	1	0.02	1.38
REF_LTCONVCOMP	REFCZ08	ROB	2_REF_HELTComp	2	1	0.07	1.38
REF_GLASSDRMED	GRCCZ08	RET	2_REF_GIDrMedHE	2	0.02	0	4.44
REF_GLASSDRMED	REFCZ08	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ08	RET	2_REF_GIDrLowHE	2	0	0	0
REF_GLASSDRLOW	REFCZ08	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ08	ROB	1_REF_DCFanStd	1	1	0.57	8.9
REF_DCEVAPMTR	GRCCZ08	ROB	2_REF_DCFanPSC	2	1	0.08	8.9
REF_DCEVAPMTR	GRCCZ08	ROB	3_REF_DCFanECM	3	1	0	8.9
REF_DCEVAPMTR	REFCZ08	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ08	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ08	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ08	CON	1_REF_Conv2MPX	1	1	0.15	2.7
REF_CONVSL2MPX	GRCCZ08	CON	2_REF_HEMPX	2	1	0	2.7
REF_CONVSL2MPX	REFCZ08	CON	1_REF_Conv2MPX	1	1	0.32	0.6
REF_CONVSL2MPX	REFCZ08	CON	2_REF_HEMPX	2	1	0	0.6

SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 8

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ08	RET	2_REF_ASHCtrl	2	0.31	0.22	4.85
REF_ASH	REFCZ08	RET	2_REF_ASHCtrl	2	0	0	0

SCE Commercial Refrigeration  
Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ09	ROB	1_REF_WIFanStd	1	1	0.78	1.75
REF_WIEVAPMTR	GRCCZ09	ROB	2_REF_WIFanECM	2	1	0.06	1.75
REF_WIEVAPMTR	REFCZ09	ROB	1_REF_WIFanStd	1	1	0.68	6.96
REF_WIEVAPMTR	REFCZ09	ROB	2_REF_WIFanECM	2	1	0.32	6.96
REF_WIEVAP	GRCCZ09	RET	2_REF_WIFnCtlHE	2	0.6	0	0.2
REF_WIEVAP	REFCZ09	RET	2_REF_WIFnCtlHE	2	0.28	0	0.11
REF_WI	GRCCZ09	RET	2_REF_WICrtnHE	2	0.84	0.17	5.28
REF_WI	REFCZ09	RET	2_REF_WICrtnHE	2	1	0.52	1.46
REF_NITECVRMLT	GRCCZ09	RET	2_REF_NtCvMdHE	2	0.29	0	3.9
REF_NITECVRMLT	REFCZ09	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ09	RET	2_REF_NtCvCfHE	2	0.21	0	5.46
REF_NITECVRCOF	REFCZ09	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ09	RET	2_REF_MPXFHP	2	0.11	0.08	3.68
REF_MPXFHP	REFCZ09	RET	2_REF_MPXFHP	2	0.33	0.08	3.95
REF_MPXEFFCOND	GRCCZ09	ROB	1_REF_MPXStdCnd	1	1	0.11	3.68
REF_MPXEFFCOND	GRCCZ09	ROB	2_REF_MPXOvrCnd	2	1	0	3.68
REF_MPXEFFCOND	REFCZ09	ROB	1_REF_MPXStdCnd	1	1	0.33	3.95
REF_MPXEFFCOND	REFCZ09	ROB	2_REF_MPXOvrCnd	2	1	0	3.95
REF_LTCONVCOMP	GRCCZ09	ROB	1_REF_StdLTComp	1	1	0.34	1.8
REF_LTCONVCOMP	GRCCZ09	ROB	2_REF_HELTComp	2	1	0	1.8
REF_LTCONVCOMP	REFCZ09	ROB	1_REF_StdLTComp	1	1	0.02	1.38
REF_LTCONVCOMP	REFCZ09	ROB	2_REF_HELTComp	2	1	0.07	1.38
REF_GLASSDRMED	GRCCZ09	RET	2_REF_GIDrMedHE	2	0.02	0	4.44
REF_GLASSDRMED	REFCZ09	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ09	RET	2_REF_GIDrLowHE	2	0	0	0
REF_GLASSDRLOW	REFCZ09	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ09	ROB	1_REF_DCFanStd	1	1	0.57	8.9
REF_DCEVAPMTR	GRCCZ09	ROB	2_REF_DCFanPSC	2	1	0.08	8.9
REF_DCEVAPMTR	GRCCZ09	ROB	3_REF_DCFanECM	3	1	0	8.9
REF_DCEVAPMTR	REFCZ09	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ09	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ09	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ09	CON	1_REF_Conv2MPX	1	1	0.15	2.7
REF_CONVSL2MPX	GRCCZ09	CON	2_REF_HEMPX	2	1	0	2.7
REF_CONVSL2MPX	REFCZ09	CON	1_REF_Conv2MPX	1	1	0.32	0.6
REF_CONVSL2MPX	REFCZ09	CON	2_REF_HEMPX	2	1	0	0.6

SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 9

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ09	RET	2_REF_ASHCtrl	2	0.31	0.22	4.85
REF_ASH	REFCZ09	RET	2_REF_ASHCtrl	2	0	0	0

SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ10	ROB	1_REF_WIFanStd	1	1	0.78	1.75
REF_WIEVAPMTR	GRCCZ10	ROB	2_REF_WIFanECM	2	1	0.06	1.75
REF_WIEVAPMTR	REFCZ10	ROB	1_REF_WIFanStd	1	1	0.68	6.96
REF_WIEVAPMTR	REFCZ10	ROB	2_REF_WIFanECM	2	1	0.32	6.96
REF_WIEVAP	GRCCZ10	RET	2_REF_WIFnCtlHE	2	0.6	0	0.2
REF_WIEVAP	REFCZ10	RET	2_REF_WIFnCtlHE	2	0.28	0	0.11
REF_WI	GRCCZ10	RET	2_REF_WICrtnHE	2	0.84	0.17	5.28
REF_WI	REFCZ10	RET	2_REF_WICrtnHE	2	1	0.52	1.46
REF_NITECVRMLT	GRCCZ10	RET	2_REF_NtCvMdHE	2	0.29	0	3.9
REF_NITECVRMLT	REFCZ10	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ10	RET	2_REF_NtCvCfHE	2	0.21	0	5.46
REF_NITECVRCOF	REFCZ10	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ10	RET	2_REF_MPXFHP	2	0.11	0.08	3.68
REF_MPXFHP	REFCZ10	RET	2_REF_MPXFHP	2	0.33	0.08	3.95
REF_MPXEFFCOND	GRCCZ10	ROB	1_REF_MPXStdCnd	1	1	0.11	3.68
REF_MPXEFFCOND	GRCCZ10	ROB	2_REF_MPXOvrCnd	2	1	0	3.68
REF_MPXEFFCOND	REFCZ10	ROB	1_REF_MPXStdCnd	1	1	0.33	3.95
REF_MPXEFFCOND	REFCZ10	ROB	2_REF_MPXOvrCnd	2	1	0	3.95
REF_LTCONVCOMP	GRCCZ10	ROB	1_REF_StdLTComp	1	1	0.34	1.8
REF_LTCONVCOMP	GRCCZ10	ROB	2_REF_HELTComp	2	1	0	1.8
REF_LTCONVCOMP	REFCZ10	ROB	1_REF_StdLTComp	1	1	0.02	1.38
REF_LTCONVCOMP	REFCZ10	ROB	2_REF_HELTComp	2	1	0.07	1.38
REF_GLASSDRMED	GRCCZ10	RET	2_REF_GIDrMedHE	2	0.02	0	4.44
REF_GLASSDRMED	REFCZ10	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ10	RET	2_REF_GIDrLowHE	2	0	0	0
REF_GLASSDRLOW	REFCZ10	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ10	ROB	1_REF_DCFanStd	1	1	0.57	8.9
REF_DCEVAPMTR	GRCCZ10	ROB	2_REF_DCFanPSC	2	1	0.08	8.9
REF_DCEVAPMTR	GRCCZ10	ROB	3_REF_DCFanECM	3	1	0	8.9
REF_DCEVAPMTR	REFCZ10	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ10	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ10	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ10	CON	1_REF_Conv2MPX	1	1	0.15	2.7
REF_CONVSL2MPX	GRCCZ10	CON	2_REF_HEMPX	2	1	0	2.7
REF_CONVSL2MPX	REFCZ10	CON	1_REF_Conv2MPX	1	1	0.32	0.6
REF_CONVSL2MPX	REFCZ10	CON	2_REF_HEMPX	2	1	0	0.6
REF_ASH	GRCCZ10	RET	2_REF_ASHCtrl	2	0.31	0.22	4.85
REF_ASH	REFCZ10	RET	2_REF_ASHCtrl	2	0	0	0

SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ13	ROB	1_REF_WIFanStd	1	1	0.66	1.8
REF_WIEVAPMTR	GRCCZ13	ROB	2_REF_WIFanECM	2	1	0.36	1.8
REF_WIEVAPMTR	REFCZ13	ROB	1_REF_WIFanStd	1	1	0.41	9.45
REF_WIEVAPMTR	REFCZ13	ROB	2_REF_WIFanECM	2	1	0.59	9.45
REF_WIEVAP	GRCCZ13	RET	2_REF_WIFnCtlHE	2	0.55	0	0.22
REF_WIEVAP	REFCZ13	RET	2_REF_WIFnCtlHE	2	0.25	0	0.29
REF_WI	GRCCZ13	RET	2_REF_WICrtnHE	2	0.95	0.38	4.96
REF_WI	REFCZ13	RET	2_REF_WICrtnHE	2	1	0.28	1.9
REF_NITECVRMLT	GRCCZ13	RET	2_REF_NtCvMdHE	2	0.47	0	5.8
REF_NITECVRMLT	REFCZ13	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ13	RET	2_REF_NtCvCfHE	2	0.4	0	1.65
REF_NITECVRCOF	REFCZ13	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ13	RET	2_REF_MPXFHP	2	0.34	0	2.31
REF_MPXFHP	REFCZ13	RET	2_REF_MPXFHP	2	0.1	0	12.81
REF_MPXEFFCOND	GRCCZ13	ROB	1_REF_MPXStdCnd	1	1	0.34	2.31
REF_MPXEFFCOND	GRCCZ13	ROB	2_REF_MPXOvrCnd	2	1	0	2.31
REF_MPXEFFCOND	REFCZ13	ROB	1_REF_MPXStdCnd	1	1	0.1	12.81
REF_MPXEFFCOND	REFCZ13	ROB	2_REF_MPXOvrCnd	2	1	0	12.81
REF_LTCONVCOMP	GRCCZ13	ROB	1_REF_StdLTComp	1	1	0.29	1.27
REF_LTCONVCOMP	GRCCZ13	ROB	2_REF_HELTComp	2	1	0.02	1.27
REF_LTCONVCOMP	REFCZ13	ROB	1_REF_StdLTComp	1	1	0.22	2.95
REF_LTCONVCOMP	REFCZ13	ROB	2_REF_HELTComp	2	1	0.1	2.95
REF_GLASSDRMED	GRCCZ13	RET	2_REF_GIDrMedHE	2	0.06	0	7.76
REF_GLASSDRMED	REFCZ13	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ13	RET	2_REF_GIDrLowHE	2	0.11	0	1.92
REF_GLASSDRLOW	REFCZ13	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ13	ROB	1_REF_DCFanStd	1	1	0.58	9.27
REF_DCEVAPMTR	GRCCZ13	ROB	2_REF_DCFanPSC	2	1	0.34	9.27
REF_DCEVAPMTR	GRCCZ13	ROB	3_REF_DCFanECM	3	1	0	9.27
REF_DCEVAPMTR	REFCZ13	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ13	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ13	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ13	CON	1_REF_Conv2MPX	1	1	0.22	2.49
REF_CONVSL2MPX	GRCCZ13	CON	2_REF_HEMPX	2	1	0	2.49
REF_CONVSL2MPX	REFCZ13	CON	1_REF_Conv2MPX	1	1	0.18	2.01
REF_CONVSL2MPX	REFCZ13	CON	2_REF_HEMPX	2	1	0	2.01

SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 13

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ13	RET	2_REF_ASHCtrl	2	0.7	0.51	4.05
REF_ASH	REFCZ13	RET	2_REF_ASHCtrl	2	0	0	0



SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ14	ROB	1_REF_WIFanStd	1	1	0.66	1.8
REF_WIEVAPMTR	GRCCZ14	ROB	2_REF_WIFanECM	2	1	0.36	1.8
REF_WIEVAPMTR	REFCZ14	ROB	1_REF_WIFanStd	1	1	0.41	9.45
REF_WIEVAPMTR	REFCZ14	ROB	2_REF_WIFanECM	2	1	0.59	9.45
REF_WIEVAP	GRCCZ14	RET	2_REF_WIFnCtlHE	2	1	0	0.22
REF_WIEVAP	REFCZ14	RET	2_REF_WIFnCtlHE	2	1	0	0.29
REF_WI	GRCCZ14	RET	2_REF_WICrtnHE	2	1	0.38	4.96
REF_WI	REFCZ14	RET	2_REF_WICrtnHE	2	1	0.28	1.9
REF_NITECVRMLT	GRCCZ14	RET	2_REF_NtCvMdHE	2	1	0	5.8
REF_NITECVRMLT	REFCZ14	RET	2_REF_NtCvMdHE	2	1	0	0
REF_NITECVRCOF	GRCCZ14	RET	2_REF_NtCvCfHE	2	1	0	1.65
REF_NITECVRCOF	REFCZ14	RET	2_REF_NtCvCfHE	2	1	0	0
REF_MPXFHP	GRCCZ14	RET	2_REF_MPXFHP	2	1	0	2.31
REF_MPXFHP	REFCZ14	RET	2_REF_MPXFHP	2	1	0	12.81
REF_MPXEFFCOND	GRCCZ14	ROB	1_REF_MPXStdCnd	1	1	0.34	2.31
REF_MPXEFFCOND	GRCCZ14	ROB	2_REF_MPXOvrCnd	2	1	0	2.31
REF_MPXEFFCOND	REFCZ14	ROB	1_REF_MPXStdCnd	1	1	0.1	12.81
REF_MPXEFFCOND	REFCZ14	ROB	2_REF_MPXOvrCnd	2	1	0	12.81
REF_LTCONVCOMP	GRCCZ14	ROB	1_REF_StdLTComp	1	1	0.29	1.27
REF_LTCONVCOMP	GRCCZ14	ROB	2_REF_HELTComp	2	1	0.02	1.27
REF_LTCONVCOMP	REFCZ14	ROB	1_REF_StdLTComp	1	1	0.22	2.95
REF_LTCONVCOMP	REFCZ14	ROB	2_REF_HELTComp	2	1	0.1	2.95
REF_GLASSDRMED	GRCCZ14	RET	2_REF_GIDrMedHE	2	1	0	7.76
REF_GLASSDRMED	REFCZ14	RET	2_REF_GIDrMedHE	2	1	0	0
REF_GLASSDRLOW	GRCCZ14	RET	2_REF_GIDrLowHE	2	1	0	1.92
REF_GLASSDRLOW	REFCZ14	RET	2_REF_GIDrLowHE	2	1	0	0
REF_DCEVAPMTR	GRCCZ14	ROB	1_REF_DCFanStd	1	1	0.58	9.27
REF_DCEVAPMTR	GRCCZ14	ROB	2_REF_DCFanPSC	2	1	0.34	9.27
REF_DCEVAPMTR	GRCCZ14	ROB	3_REF_DCFanECM	3	1	0	9.27
REF_DCEVAPMTR	REFCZ14	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ14	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ14	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ14	CON	1_REF_Conv2MPX	1	1	0.22	2.49
REF_CONVSL2MPX	GRCCZ14	CON	2_REF_HEMPX	2	1	0	2.49
REF_CONVSL2MPX	REFCZ14	CON	1_REF_Conv2MPX	1	1	0.18	2.01
REF_CONVSL2MPX	REFCZ14	CON	2_REF_HEMPX	2	1	0	2.01

SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ14	RET	2_REF_ASHCtrl	2	1	0.51	4.05
REF_ASH	REFCZ14	RET	2_REF_ASHCtrl	2	1	0	0

SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ15	ROB	1_REF_WIFanStd	1	1	0.66	1.8
REF_WIEVAPMTR	GRCCZ15	ROB	2_REF_WIFanECM	2	1	0.36	1.8
REF_WIEVAPMTR	REFCZ15	ROB	1_REF_WIFanStd	1	1	0.41	9.45
REF_WIEVAPMTR	REFCZ15	ROB	2_REF_WIFanECM	2	1	0.59	9.45
REF_WIEVAP	GRCCZ15	RET	2_REF_WIFnCtlHE	2	1	0	0.22
REF_WIEVAP	REFCZ15	RET	2_REF_WIFnCtlHE	2	1	0	0.29
REF_WI	GRCCZ15	RET	2_REF_WICrtnHE	2	1	0.38	4.96
REF_WI	REFCZ15	RET	2_REF_WICrtnHE	2	1	0.28	1.9
REF_NITECVRMLT	GRCCZ15	RET	2_REF_NtCvMdHE	2	1	0	5.8
REF_NITECVRMLT	REFCZ15	RET	2_REF_NtCvMdHE	2	1	0	0
REF_NITECVRCOF	GRCCZ15	RET	2_REF_NtCvCfHE	2	1	0	1.65
REF_NITECVRCOF	REFCZ15	RET	2_REF_NtCvCfHE	2	1	0	0
REF_MPXFHP	GRCCZ15	RET	2_REF_MPXFHP	2	1	0	2.31
REF_MPXFHP	REFCZ15	RET	2_REF_MPXFHP	2	1	0	12.81
REF_MPXEFFCOND	GRCCZ15	ROB	1_REF_MPXStdCnd	1	1	0.34	2.31
REF_MPXEFFCOND	GRCCZ15	ROB	2_REF_MPXOvrCnd	2	1	0	2.31
REF_MPXEFFCOND	REFCZ15	ROB	1_REF_MPXStdCnd	1	1	0.1	12.81
REF_MPXEFFCOND	REFCZ15	ROB	2_REF_MPXOvrCnd	2	1	0	12.81
REF_LTCONVCOMP	GRCCZ15	ROB	1_REF_StdLTComp	1	1	0.29	1.27
REF_LTCONVCOMP	GRCCZ15	ROB	2_REF_HELTComp	2	1	0.02	1.27
REF_LTCONVCOMP	REFCZ15	ROB	1_REF_StdLTComp	1	1	0.22	2.95
REF_LTCONVCOMP	REFCZ15	ROB	2_REF_HELTComp	2	1	0.1	2.95
REF_GLASSDRMED	GRCCZ15	RET	2_REF_GIDrMedHE	2	1	0	7.76
REF_GLASSDRMED	REFCZ15	RET	2_REF_GIDrMedHE	2	1	0	0
REF_GLASSDRLOW	GRCCZ15	RET	2_REF_GIDrLowHE	2	1	0	1.92
REF_GLASSDRLOW	REFCZ15	RET	2_REF_GIDrLowHE	2	1	0	0
REF_DCEVAPMTR	GRCCZ15	ROB	1_REF_DCFanStd	1	1	0.58	9.27
REF_DCEVAPMTR	GRCCZ15	ROB	2_REF_DCFanPSC	2	1	0.34	9.27
REF_DCEVAPMTR	GRCCZ15	ROB	3_REF_DCFanECM	3	1	0	9.27
REF_DCEVAPMTR	REFCZ15	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ15	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ15	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ15	CON	1_REF_Conv2MPX	1	1	0.22	2.49
REF_CONVSL2MPX	GRCCZ15	CON	2_REF_HEMPX	2	1	0	2.49
REF_CONVSL2MPX	REFCZ15	CON	1_REF_Conv2MPX	1	1	0.18	2.01
REF_CONVSL2MPX	REFCZ15	CON	2_REF_HEMPX	2	1	0	2.01

SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 15

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ15	RET	2_REF_ASHCtrl	2	1	0.51	4.05
REF_ASH	REFCZ15	RET	2_REF_ASHCtrl	2	1	0	0

SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ16	ROB	1_REF_WIFanStd	1	1	0.66	1.8
REF_WIEVAPMTR	GRCCZ16	ROB	2_REF_WIFanECM	2	1	0.36	1.8
REF_WIEVAPMTR	REFCZ16	ROB	1_REF_WIFanStd	1	1	0.41	9.45
REF_WIEVAPMTR	REFCZ16	ROB	2_REF_WIFanECM	2	1	0.59	9.45
REF_WIEVAP	GRCCZ16	RET	2_REF_WIFnCtlHE	2	1	0	0.22
REF_WIEVAP	REFCZ16	RET	2_REF_WIFnCtlHE	2	1	0	0.29
REF_WI	GRCCZ16	RET	2_REF_WICrtnHE	2	1	0.38	4.96
REF_WI	REFCZ16	RET	2_REF_WICrtnHE	2	1	0.28	1.9
REF_NITECVRMLT	GRCCZ16	RET	2_REF_NtCvMdHE	2	1	0	5.8
REF_NITECVRMLT	REFCZ16	RET	2_REF_NtCvMdHE	2	1	0	0
REF_NITECVRCOF	GRCCZ16	RET	2_REF_NtCvCfHE	2	1	0	1.65
REF_NITECVRCOF	REFCZ16	RET	2_REF_NtCvCfHE	2	1	0	0
REF_MPXFHP	GRCCZ16	RET	2_REF_MPXFHP	2	1	0	2.31
REF_MPXFHP	REFCZ16	RET	2_REF_MPXFHP	2	1	0	12.81
REF_MPXEFFCOND	GRCCZ16	ROB	1_REF_MPXStdCnd	1	1	0.34	2.31
REF_MPXEFFCOND	GRCCZ16	ROB	2_REF_MPXOvrCnd	2	1	0	2.31
REF_MPXEFFCOND	REFCZ16	ROB	1_REF_MPXStdCnd	1	1	0.1	12.81
REF_MPXEFFCOND	REFCZ16	ROB	2_REF_MPXOvrCnd	2	1	0	12.81
REF_LTCONVCOMP	GRCCZ16	ROB	1_REF_StdLTComp	1	1	0.29	1.27
REF_LTCONVCOMP	GRCCZ16	ROB	2_REF_HELTComp	2	1	0.02	1.27
REF_LTCONVCOMP	REFCZ16	ROB	1_REF_StdLTComp	1	1	0.22	2.95
REF_LTCONVCOMP	REFCZ16	ROB	2_REF_HELTComp	2	1	0.1	2.95
REF_GLASSDRMED	GRCCZ16	RET	2_REF_GIDrMedHE	2	1	0	7.76
REF_GLASSDRMED	REFCZ16	RET	2_REF_GIDrMedHE	2	1	0	0
REF_GLASSDRLOW	GRCCZ16	RET	2_REF_GIDrLowHE	2	1	0	1.92
REF_GLASSDRLOW	REFCZ16	RET	2_REF_GIDrLowHE	2	1	0	0
REF_DCEVAPMTR	GRCCZ16	ROB	1_REF_DCFanStd	1	1	0.58	9.27
REF_DCEVAPMTR	GRCCZ16	ROB	2_REF_DCFanPSC	2	1	0.34	9.27
REF_DCEVAPMTR	GRCCZ16	ROB	3_REF_DCFanECM	3	1	0	9.27
REF_DCEVAPMTR	REFCZ16	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ16	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ16	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ16	CON	1_REF_Conv2MPX	1	1	0.22	2.49
REF_CONVSL2MPX	GRCCZ16	CON	2_REF_HEMPX	2	1	0	2.49
REF_CONVSL2MPX	REFCZ16	CON	1_REF_Conv2MPX	1	1	0.18	2.01
REF_CONVSL2MPX	REFCZ16	CON	2_REF_HEMPX	2	1	0	2.01

SCE Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 16

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ16	RET	2_REF_ASHCtrl	2	1	0.51	4.05
REF_ASH	REFCZ16	RET	2_REF_ASHCtrl	2	1	0	0

SDG&E Commercial Refrigeration  
Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ07	ROB	1_REF_WIFanStd	1	1	0.5	1.57
REF_WIEVAPMTR	GRCCZ07	ROB	2_REF_WIFanECM	2	1	0.57	1.57
REF_WIEVAPMTR	REFCZ07	ROB	1_REF_WIFanStd	1	1	0.78	10.94
REF_WIEVAPMTR	REFCZ07	ROB	2_REF_WIFanECM	2	1	0.22	10.94
REF_WIEVAP	GRCCZ07	RET	2_REF_WIFnCtlHE	2	0.46	0	0.26
REF_WIEVAP	REFCZ07	RET	2_REF_WIFnCtlHE	2	0	0	0
REF_WI	GRCCZ07	RET	2_REF_WICrtnHE	2	1	0.29	4.85
REF_WI	REFCZ07	RET	2_REF_WICrtnHE	2	1	0.39	2.06
REF_NITECVRMLT	GRCCZ07	RET	2_REF_NtCvMdHE	2	0.06	0	3.73
REF_NITECVRMLT	REFCZ07	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ07	RET	2_REF_NtCvCfHE	2	0.21	0	3.35
REF_NITECVRCOF	REFCZ07	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ07	RET	2_REF_MPXFHP	2	0.49	0.49	4.1
REF_MPXFHP	REFCZ07	RET	2_REF_MPXFHP	2	0.22	0	4.18
REF_MPXEFFCOND	GRCCZ07	ROB	1_REF_MPXStdCnd	1	1	0.49	4.1
REF_MPXEFFCOND	GRCCZ07	ROB	2_REF_MPXOvrCnd	2	1	0	4.1
REF_MPXEFFCOND	REFCZ07	ROB	1_REF_MPXStdCnd	1	1	0.22	4.18
REF_MPXEFFCOND	REFCZ07	ROB	2_REF_MPXOvrCnd	2	1	0	4.18
REF_LTCONVCOMP	GRCCZ07	ROB	1_REF_StdLTComp	1	1	0.17	1.27
REF_LTCONVCOMP	GRCCZ07	ROB	2_REF_HELTComp	2	1	0.06	1.27
REF_LTCONVCOMP	REFCZ07	ROB	1_REF_StdLTComp	1	1	0	0
REF_LTCONVCOMP	REFCZ07	ROB	2_REF_HELTComp	2	1	0	0
REF_GLASSDRMED	GRCCZ07	RET	2_REF_GIDrMedHE	2	0.36	0	1.46
REF_GLASSDRMED	REFCZ07	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ07	RET	2_REF_GIDrLowHE	2	0.1	0	3.84
REF_GLASSDRLOW	REFCZ07	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ07	ROB	1_REF_DCFanStd	1	1	0.35	8.96
REF_DCEVAPMTR	GRCCZ07	ROB	2_REF_DCFanPSC	2	1	0.49	8.96
REF_DCEVAPMTR	GRCCZ07	ROB	3_REF_DCFanECM	3	1	0	8.96
REF_DCEVAPMTR	REFCZ07	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ07	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ07	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ07	CON	1_REF_Conv2MPX	1	1	0.14	2.65
REF_CONVSL2MPX	GRCCZ07	CON	2_REF_HEMPX	2	1	0	2.65
REF_CONVSL2MPX	REFCZ07	CON	1_REF_Conv2MPX	1	1	0	0
REF_CONVSL2MPX	REFCZ07	CON	2_REF_HEMPX	2	1	0	0

SDG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 7

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ07	RET	2_REF_ASHCtrl	2	0.62	0.52	4.32
REF_ASH	REFCZ07	RET	2_REF_ASHCtrl	2	0	0	0



SDG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ10	ROB	1_REF_WIFanStd	1	1	0.78	1.75
REF_WIEVAPMTR	GRCCZ10	ROB	2_REF_WIFanECM	2	1	0.06	1.75
REF_WIEVAPMTR	REFCZ10	ROB	1_REF_WIFanStd	1	1	0.68	6.96
REF_WIEVAPMTR	REFCZ10	ROB	2_REF_WIFanECM	2	1	0.32	6.96
REF_WIEVAP	GRCCZ10	RET	2_REF_WIFnCtlHE	2	0.6	0	0.2
REF_WIEVAP	REFCZ10	RET	2_REF_WIFnCtlHE	2	0.28	0	0.11
REF_WI	GRCCZ10	RET	2_REF_WICrtnHE	2	0.84	0.17	5.28
REF_WI	REFCZ10	RET	2_REF_WICrtnHE	2	1	0.52	1.46
REF_NITECVRMLT	GRCCZ10	RET	2_REF_NtCvMdHE	2	0.29	0	3.9
REF_NITECVRMLT	REFCZ10	RET	2_REF_NtCvMdHE	2	0	0	0
REF_NITECVRCOF	GRCCZ10	RET	2_REF_NtCvCfHE	2	0.21	0	5.46
REF_NITECVRCOF	REFCZ10	RET	2_REF_NtCvCfHE	2	0	0	0
REF_MPXFHP	GRCCZ10	RET	2_REF_MPXFHP	2	0.11	0.08	3.68
REF_MPXFHP	REFCZ10	RET	2_REF_MPXFHP	2	0.33	0.08	3.95
REF_MPXEFFCOND	GRCCZ10	ROB	1_REF_MPXStdCnd	1	1	0.11	3.68
REF_MPXEFFCOND	GRCCZ10	ROB	2_REF_MPXOvrCnd	2	1	0	3.68
REF_MPXEFFCOND	REFCZ10	ROB	1_REF_MPXStdCnd	1	1	0.33	3.95
REF_MPXEFFCOND	REFCZ10	ROB	2_REF_MPXOvrCnd	2	1	0	3.95
REF_LTCONVCOMP	GRCCZ10	ROB	1_REF_StdLTComp	1	1	0.34	1.8
REF_LTCONVCOMP	GRCCZ10	ROB	2_REF_HELTComp	2	1	0	1.8
REF_LTCONVCOMP	REFCZ10	ROB	1_REF_StdLTComp	1	1	0.02	1.38
REF_LTCONVCOMP	REFCZ10	ROB	2_REF_HELTComp	2	1	0.07	1.38
REF_GLASSDRMED	GRCCZ10	RET	2_REF_GIDrMedHE	2	0.02	0	4.44
REF_GLASSDRMED	REFCZ10	RET	2_REF_GIDrMedHE	2	0	0	0
REF_GLASSDRLOW	GRCCZ10	RET	2_REF_GIDrLowHE	2	0	0	0
REF_GLASSDRLOW	REFCZ10	RET	2_REF_GIDrLowHE	2	0	0	0
REF_DCEVAPMTR	GRCCZ10	ROB	1_REF_DCFanStd	1	1	0.57	8.9
REF_DCEVAPMTR	GRCCZ10	ROB	2_REF_DCFanPSC	2	1	0.08	8.9
REF_DCEVAPMTR	GRCCZ10	ROB	3_REF_DCFanECM	3	1	0	8.9
REF_DCEVAPMTR	REFCZ10	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ10	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ10	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ10	CON	1_REF_Conv2MPX	1	1	0.15	2.7
REF_CONVSL2MPX	GRCCZ10	CON	2_REF_HEMPX	2	1	0	2.7
REF_CONVSL2MPX	REFCZ10	CON	1_REF_Conv2MPX	1	1	0.32	0.6
REF_CONVSL2MPX	REFCZ10	CON	2_REF_HEMPX	2	1	0	0.6

SDG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 10

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ10	RET	2_REF_ASHCtrl	2	0.31	0.22	4.85
REF_ASH	REFCZ10	RET	2_REF_ASHCtrl	2	0	0	0

SDG&E Commercial Refrigeration  
Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_WIEVAPMTR	GRCCZ14	ROB	1_REF_WIFanStd	1	1	0.66	1.8
REF_WIEVAPMTR	GRCCZ14	ROB	2_REF_WIFanECM	2	1	0.36	1.8
REF_WIEVAPMTR	REFCZ14	ROB	1_REF_WIFanStd	1	1	0.41	9.45
REF_WIEVAPMTR	REFCZ14	ROB	2_REF_WIFanECM	2	1	0.59	9.45
REF_WIEVAP	GRCCZ14	RET	2_REF_WIFnCtlHE	2	1	0	0.22
REF_WIEVAP	REFCZ14	RET	2_REF_WIFnCtlHE	2	1	0	0.29
REF_WI	GRCCZ14	RET	2_REF_WICrtnHE	2	1	0.38	4.96
REF_WI	REFCZ14	RET	2_REF_WICrtnHE	2	1	0.28	1.9
REF_NITECVRMLT	GRCCZ14	RET	2_REF_NtCvMdHE	2	1	0	5.8
REF_NITECVRMLT	REFCZ14	RET	2_REF_NtCvMdHE	2	1	0	0
REF_NITECVRCOF	GRCCZ14	RET	2_REF_NtCvCfHE	2	1	0	1.65
REF_NITECVRCOF	REFCZ14	RET	2_REF_NtCvCfHE	2	1	0	0
REF_MPXFHP	GRCCZ14	RET	2_REF_MPXFHP	2	1	0	2.31
REF_MPXFHP	REFCZ14	RET	2_REF_MPXFHP	2	1	0	12.81
REF_MPXEFFCOND	GRCCZ14	ROB	1_REF_MPXStdCnd	1	1	0.34	2.31
REF_MPXEFFCOND	GRCCZ14	ROB	2_REF_MPXOvrCnd	2	1	0	2.31
REF_MPXEFFCOND	REFCZ14	ROB	1_REF_MPXStdCnd	1	1	0.1	12.81
REF_MPXEFFCOND	REFCZ14	ROB	2_REF_MPXOvrCnd	2	1	0	12.81
REF_LTCONVCOMP	GRCCZ14	ROB	1_REF_StdLTComp	1	1	0.29	1.27
REF_LTCONVCOMP	GRCCZ14	ROB	2_REF_HELTComp	2	1	0.02	1.27
REF_LTCONVCOMP	REFCZ14	ROB	1_REF_StdLTComp	1	1	0.22	2.95
REF_LTCONVCOMP	REFCZ14	ROB	2_REF_HELTComp	2	1	0.1	2.95
REF_GLASSDRMED	GRCCZ14	RET	2_REF_GIDrMedHE	2	1	0	7.76
REF_GLASSDRMED	REFCZ14	RET	2_REF_GIDrMedHE	2	1	0	0
REF_GLASSDRLOW	GRCCZ14	RET	2_REF_GIDrLowHE	2	1	0	1.92
REF_GLASSDRLOW	REFCZ14	RET	2_REF_GIDrLowHE	2	1	0	0
REF_DCEVAPMTR	GRCCZ14	ROB	1_REF_DCFanStd	1	1	0.58	9.27
REF_DCEVAPMTR	GRCCZ14	ROB	2_REF_DCFanPSC	2	1	0.34	9.27
REF_DCEVAPMTR	GRCCZ14	ROB	3_REF_DCFanECM	3	1	0	9.27
REF_DCEVAPMTR	REFCZ14	ROB	1_REF_DCFanStd	1	1	0	0
REF_DCEVAPMTR	REFCZ14	ROB	2_REF_DCFanPSC	2	1	0	0
REF_DCEVAPMTR	REFCZ14	ROB	3_REF_DCFanECM	3	1	0	0
REF_CONVSL2MPX	GRCCZ14	CON	1_REF_Conv2MPX	1	1	0.22	2.49
REF_CONVSL2MPX	GRCCZ14	CON	2_REF_HEMPX	2	1	0	2.49
REF_CONVSL2MPX	REFCZ14	CON	1_REF_Conv2MPX	1	1	0.18	2.01
REF_CONVSL2MPX	REFCZ14	CON	2_REF_HEMPX	2	1	0	2.01

SDG&E Commercial Refrigeration  
 Applicability, Base Share, and Technology Density for Climate Zone 14

Competition Group	Segment	Decision Type	Technology ID	Tech. Order	Applicability	Base Share	Technology Density
REF_ASH	GRCCZ14	RET	2_REF_ASHCtrl	2	1	0.51	4.05
REF_ASH	REFCZ14	RET	2_REF_ASHCtrl	2	1	0	0

### **D.3 Floorstock**

The following tables contain the floor stock by utility, climate zone, and building type. These tables were provided courtesy of the CEC and represent the March 2004 floorstock forecast.

PG&E  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
PG&E	1	COL	2,402	2,428	2,409	2,436	2,462	2,488	2,513	2,534	2,554	2,576	2,597	2,618	2,641	2,662	2,683
PG&E	1	GRC	1,978	2,001	1,975	2,004	2,033	2,061	2,089	2,115	2,141	2,168	2,194	2,221	2,248	2,276	2,304
PG&E	1	HLT	2,498	2,527	2,507	2,537	2,566	2,594	2,621	2,647	2,673	2,699	2,724	2,748	2,774	2,798	2,823
PG&E	1	LDG	2,287	2,315	2,282	2,309	2,336	2,360	2,384	2,407	2,429	2,451	2,472	2,492	2,512	2,534	2,557
PG&E	1	LGO	7,719	7,817	7,723	7,816	7,906	7,993	8,079	8,147	8,215	8,285	8,354	8,422	8,493	8,567	8,641
PG&E	1	MSC	8,459	8,563	8,423	8,527	8,628	8,725	8,822	8,902	8,980	9,062	9,142	9,221	9,306	9,394	9,485
PG&E	1	REF	559	569	565	576	586	597	607	617	627	637	647	657	667	677	687
PG&E	1	RET	7,190	7,275	7,169	7,256	7,340	7,420	7,499	7,571	7,642	7,715	7,787	7,858	7,932	8,008	8,087
PG&E	1	RST	999	1,012	980	995	1,009	1,024	1,038	1,050	1,063	1,075	1,088	1,101	1,114	1,128	1,143
PG&E	1	SCH	4,046	4,081	4,042	4,074	4,105	4,134	4,163	4,191	4,218	4,247	4,275	4,302	4,333	4,358	4,386
PG&E	1	SMO	2,623	2,660	2,639	2,685	2,730	2,775	2,819	2,859	2,899	2,939	2,979	3,019	3,060	3,101	3,143
PG&E	1	WRH	5,941	6,046	5,986	6,074	6,158	6,238	6,318	6,392	6,465	6,539	6,613	6,684	6,757	6,831	6,906
PG&E	2	COL	8,465	8,584	8,538	8,655	8,766	8,874	8,981	9,072	9,162	9,252	9,341	9,429	9,525	9,611	9,698
PG&E	2	GRC	6,971	7,074	6,999	7,120	7,236	7,349	7,463	7,569	7,675	7,781	7,886	7,992	8,101	8,208	8,319
PG&E	2	HLT	8,804	8,934	8,886	9,015	9,136	9,252	9,366	9,477	9,586	9,693	9,797	9,898	10,003	10,104	10,206
PG&E	2	LDG	8,062	8,182	8,087	8,205	8,315	8,419	8,520	8,617	8,710	8,799	8,885	8,968	9,052	9,142	9,234
PG&E	2	LGO	27,205	27,634	27,373	27,769	28,144	28,507	28,870	29,164	29,456	29,745	30,032	30,317	30,614	30,914	31,216
PG&E	2	MSC	29,815	30,270	29,855	30,295	30,713	31,117	31,520	31,858	32,194	32,526	32,853	33,179	33,525	33,876	34,239
PG&E	2	REF	1,969	2,012	2,001	2,045	2,087	2,128	2,168	2,208	2,248	2,287	2,326	2,364	2,402	2,441	2,480
PG&E	2	RET	25,341	25,717	25,411	25,781	26,128	26,462	26,795	27,098	27,399	27,695	27,988	28,278	28,581	28,886	29,200
PG&E	2	RST	3,522	3,576	3,472	3,534	3,593	3,650	3,708	3,758	3,809	3,859	3,908	3,958	4,012	4,066	4,123
PG&E	2	SCH	14,260	14,426	14,326	14,477	14,616	14,748	14,879	15,006	15,132	15,255	15,376	15,496	15,628	15,740	15,858
PG&E	2	SMO	9,244	9,404	9,353	9,540	9,720	9,897	10,074	10,233	10,393	10,551	10,709	10,867	11,029	11,189	11,349
PG&E	2	WRH	20,940	21,371	21,218	21,579	21,920	22,249	22,577	22,880	23,180	23,478	23,771	24,060	24,353	24,648	24,945
PG&E	3a	COL	21,919	22,081	21,827	21,988	22,150	22,311	22,474	22,601	22,736	22,875	23,017	23,159	23,322	23,465	23,614
PG&E	3a	GRC	18,051	18,199	17,893	18,091	18,289	18,487	18,686	18,873	19,066	19,264	19,464	19,665	19,876	20,092	20,315
PG&E	3a	HLT	22,797	22,984	22,716	22,902	23,085	23,263	23,438	23,611	23,787	23,964	24,137	24,308	24,488	24,663	24,845
PG&E	3a	LDG	20,874	21,050	20,675	20,847	21,014	21,175	21,332	21,482	21,632	21,779	21,920	22,058	22,199	22,362	22,532
PG&E	3a	LGO	70,443	71,091	69,979	70,553	71,127	71,699	72,274	72,696	73,142	73,605	74,072	74,544	75,045	75,583	76,129
PG&E	3a	MSC	77,202	77,874	76,325	76,977	77,629	78,281	78,934	79,449	79,989	80,543	81,104	81,668	82,286	82,952	83,656
PG&E	3a	REF	5,100	5,177	5,115	5,196	5,275	5,353	5,429	5,506	5,583	5,661	5,738	5,815	5,892	5,971	6,052
PG&E	3a	RET	65,615	66,161	64,965	65,504	66,037	66,565	67,091	67,564	68,056	68,560	69,066	69,573	70,112	70,686	71,288
PG&E	3a	RST	9,119	9,200	8,878	8,980	9,082	9,185	9,290	9,378	9,470	9,564	9,659	9,755	9,861	9,974	10,095
PG&E	3a	SCH	36,923	37,112	36,623	36,776	36,927	37,076	37,224	37,374	37,535	37,702	37,870	38,039	38,240	38,401	38,582
PG&E	3a	SMO	23,936	24,193	23,910	24,237	24,565	24,893	25,222	25,513	25,812	26,116	26,422	26,729	27,048	27,369	27,694
PG&E	3a	WRH	54,219	54,981	54,245	54,829	55,401	55,964	56,525	57,038	57,565	58,104	58,637	59,165	59,704	60,267	60,839

PG&E  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
PG&E	3b	COL	8,953	9,019	8,915	8,981	9,047	9,113	9,179	9,231	9,286	9,343	9,401	9,459	9,526	9,584	9,645
PG&E	3b	GRC	7,373	7,433	7,308	7,389	7,470	7,551	7,632	7,709	7,788	7,869	7,950	8,032	8,118	8,206	8,298
PG&E	3b	HLT	9,312	9,388	9,278	9,354	9,429	9,502	9,573	9,644	9,716	9,788	9,859	9,929	10,002	10,074	10,148
PG&E	3b	LDG	8,526	8,598	8,445	8,515	8,583	8,649	8,713	8,774	8,836	8,895	8,953	9,009	9,067	9,134	9,203
PG&E	3b	LGO	28,773	29,037	28,583	28,818	29,052	29,286	29,520	29,693	29,875	30,064	30,255	30,448	30,652	30,872	31,095
PG&E	3b	MSC	31,533	31,808	31,175	31,441	31,707	31,974	32,241	32,451	32,671	32,898	33,127	33,357	33,610	33,882	34,170
PG&E	3b	REF	2,083	2,114	2,089	2,122	2,155	2,186	2,218	2,249	2,280	2,312	2,344	2,375	2,407	2,439	2,472
PG&E	3b	RET	26,801	27,023	26,535	26,755	26,973	27,188	27,403	27,597	27,798	28,004	28,210	28,417	28,637	28,872	29,118
PG&E	3b	RST	3,725	3,758	3,626	3,668	3,710	3,752	3,794	3,830	3,868	3,906	3,945	3,985	4,028	4,074	4,123
PG&E	3b	SCH	15,081	15,159	14,959	15,021	15,083	15,144	15,204	15,266	15,331	15,400	15,468	15,537	15,619	15,685	15,759
PG&E	3b	SMO	9,776	9,882	9,766	9,900	10,034	10,168	10,302	10,421	10,543	10,667	10,792	10,918	11,048	11,179	11,312
PG&E	3b	WRH	22,146	22,457	22,156	22,395	22,628	22,859	23,088	23,297	23,513	23,732	23,950	24,166	24,386	24,616	24,850
PG&E	4	COL	14,977	15,132	14,995	15,131	15,264	15,402	15,539	15,650	15,757	15,861	15,966	16,072	16,192	16,298	16,408
PG&E	4	GRC	12,335	12,471	12,292	12,449	12,602	12,760	12,917	13,065	13,210	13,353	13,497	13,641	13,793	13,948	14,107
PG&E	4	HLT	15,578	15,750	15,605	15,760	15,909	16,059	16,206	16,349	16,486	16,616	16,744	16,870	17,002	17,131	17,263
PG&E	4	LDG	14,264	14,425	14,203	14,345	14,480	14,616	14,747	14,872	14,988	15,097	15,201	15,303	15,407	15,525	15,649
PG&E	4	LGO	48,135	48,716	48,074	48,550	49,014	49,491	49,966	50,328	50,681	51,025	51,370	51,719	52,089	52,481	52,878
PG&E	4	MSC	52,753	53,364	52,433	52,969	53,492	54,030	54,565	54,995	55,415	55,824	56,234	56,648	57,099	57,580	58,087
PG&E	4	REF	3,485	3,547	3,514	3,575	3,635	3,694	3,753	3,811	3,868	3,924	3,979	4,034	4,089	4,146	4,203
PG&E	4	RET	44,836	45,337	44,629	45,075	45,505	45,945	46,380	46,772	47,153	47,523	47,893	48,264	48,658	49,072	49,506
PG&E	4	RST	6,231	6,304	6,099	6,179	6,258	6,339	6,421	6,490	6,559	6,627	6,695	6,765	6,841	6,921	7,006
PG&E	4	SCH	25,230	25,432	25,160	25,308	25,449	25,596	25,740	25,882	26,017	26,145	26,273	26,402	26,553	26,676	26,811
PG&E	4	SMO	16,355	16,578	16,426	16,678	16,928	17,182	17,436	17,662	17,884	18,103	18,323	18,544	18,772	19,002	19,234
PG&E	4	WRH	37,049	37,676	37,264	37,729	38,176	38,629	39,077	39,487	39,886	40,278	40,664	41,048	41,439	41,845	42,257
PG&E	5	COL	3,390	3,460	3,463	3,530	3,602	3,674	3,745	3,810	3,873	3,942	4,010	4,078	4,150	4,215	4,280
PG&E	5	GRC	2,792	2,851	2,839	2,904	2,973	3,041	3,110	3,175	3,239	3,308	3,377	3,445	3,516	3,582	3,650
PG&E	5	HLT	3,526	3,601	3,604	3,677	3,755	3,831	3,906	3,980	4,053	4,130	4,206	4,282	4,360	4,433	4,506
PG&E	5	LDG	3,228	3,298	3,280	3,346	3,416	3,484	3,551	3,615	3,678	3,743	3,807	3,870	3,933	3,996	4,059
PG&E	5	LGO	10,894	11,138	11,102	11,325	11,563	11,799	12,033	12,237	12,439	12,657	12,873	13,088	13,309	13,522	13,735
PG&E	5	MSC	11,939	12,200	12,109	12,355	12,617	12,875	13,132	13,360	13,584	13,824	14,061	14,297	14,541	14,774	15,010
PG&E	5	REF	789	811	812	834	857	880	903	926	949	972	996	1,020	1,043	1,066	1,089
PG&E	5	RET	10,148	10,365	10,307	10,514	10,734	10,950	11,165	11,367	11,565	11,777	11,987	12,195	12,409	12,614	12,821
PG&E	5	RST	1,410	1,441	1,408	1,441	1,476	1,510	1,544	1,575	1,605	1,638	1,670	1,701	1,735	1,767	1,800
PG&E	5	SCH	5,710	5,815	5,811	5,905	6,007	6,107	6,207	6,304	6,400	6,504	6,606	6,708	6,816	6,911	7,008
PG&E	5	SMO	3,702	3,790	3,793	3,890	3,993	4,096	4,198	4,293	4,388	4,488	4,588	4,688	4,791	4,889	4,988
PG&E	5	WRH	8,385	8,614	8,606	8,800	9,005	9,207	9,409	9,599	9,788	9,989	10,188	10,386	10,586	10,781	10,976

PG&E  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
PG&E	11	COL	6,062	6,221	6,260	6,415	6,558	6,698	6,838	6,962	7,084	7,200	7,314	7,426	7,546	7,652	7,760
PG&E	11	GRC	4,992	5,126	5,131	5,276	5,411	5,543	5,675	5,800	5,923	6,041	6,158	6,274	6,393	6,507	6,622
PG&E	11	HLT	6,305	6,475	6,515	6,682	6,835	6,984	7,131	7,274	7,413	7,544	7,672	7,798	7,927	8,048	8,171
PG&E	11	LDG	5,773	5,929	5,929	6,080	6,218	6,351	6,481	6,606	6,725	6,835	6,943	7,046	7,151	7,256	7,362
PG&E	11	LGO	19,482	20,026	20,069	20,578	21,047	21,508	21,964	22,361	22,748	23,114	23,476	23,833	24,199	24,555	24,909
PG&E	11	MSC	21,351	21,935	21,887	22,447	22,963	23,468	23,967	24,408	24,837	25,243	25,642	26,034	26,442	26,834	27,233
PG&E	11	REF	1,410	1,458	1,467	1,515	1,560	1,605	1,649	1,692	1,735	1,776	1,816	1,857	1,897	1,937	1,976
PG&E	11	RET	18,147	18,636	18,630	19,103	19,537	19,961	20,378	20,768	21,147	21,506	21,859	22,207	22,564	22,908	23,258
PG&E	11	RST	2,522	2,591	2,546	2,618	2,685	2,752	2,817	2,877	2,934	2,990	3,044	3,099	3,156	3,210	3,267
PG&E	11	SCH	10,212	10,456	10,504	10,731	10,936	11,135	11,332	11,522	11,707	11,879	12,049	12,216	12,393	12,547	12,706
PG&E	11	SMO	6,620	6,815	6,857	7,069	7,268	7,466	7,662	7,844	8,023	8,195	8,367	8,538	8,712	8,880	9,048
PG&E	11	WRH	14,995	15,487	15,556	15,990	16,391	16,783	17,173	17,539	17,898	18,241	18,579	18,911	19,248	19,576	19,905
PG&E	12	COL	22,804	23,199	23,150	23,533	23,934	24,334	24,732	25,087	25,439	25,790	26,139	26,486	26,854	27,184	27,518
PG&E	12	GRC	18,781	19,118	18,976	19,358	19,753	20,148	20,541	20,916	21,290	21,664	22,036	22,408	22,790	23,158	23,533
PG&E	12	HLT	23,718	24,147	24,093	24,511	24,944	25,372	25,794	26,209	26,617	27,020	27,417	27,807	28,207	28,585	28,969
PG&E	12	LDG	21,718	22,114	21,926	22,307	22,698	23,080	23,454	23,816	24,166	24,507	24,837	25,158	25,482	25,812	26,146
PG&E	12	LGO	73,290	74,684	74,216	75,498	76,832	78,159	79,478	80,613	81,736	82,856	83,968	85,072	86,206	87,321	88,434
PG&E	12	MSC	80,322	81,807	80,944	82,363	83,838	85,302	86,754	88,030	89,290	90,541	91,780	93,005	94,286	95,535	96,810
PG&E	12	REF	5,306	5,438	5,425	5,560	5,697	5,833	5,968	6,102	6,235	6,368	6,499	6,630	6,761	6,890	7,020
PG&E	12	RET	68,267	69,502	68,898	70,091	71,325	72,546	73,755	74,888	76,006	77,117	78,217	79,304	80,425	81,518	82,631
PG&E	12	RST	9,488	9,663	9,414	9,607	9,806	10,005	10,202	10,380	10,556	10,732	10,907	11,081	11,265	11,444	11,630
PG&E	12	SCH	38,415	38,990	38,844	39,362	39,907	40,447	40,979	41,506	42,024	42,539	43,047	43,548	44,085	44,550	45,030
PG&E	12	SMO	24,903	25,416	25,358	25,935	26,534	27,132	27,730	28,283	28,833	29,384	29,934	30,482	31,045	31,588	32,133
PG&E	12	WRH	56,410	57,758	57,527	58,668	59,838	60,997	62,149	63,238	64,316	65,394	66,458	67,509	68,574	69,619	70,669
PG&E	13	COL	11,801	12,040	12,053	12,289	12,532	12,780	13,030	13,261	13,493	13,727	13,961	14,196	14,444	14,667	14,892
PG&E	13	GRC	9,719	9,922	9,879	10,108	10,342	10,579	10,818	11,051	11,284	11,520	11,756	11,993	12,236	12,467	12,701
PG&E	13	HLT	12,274	12,532	12,544	12,800	13,061	13,326	13,589	13,855	14,119	14,382	14,645	14,906	15,173	15,426	15,680
PG&E	13	LDG	11,238	11,477	11,416	11,648	11,884	12,120	12,353	12,585	12,811	13,034	13,254	13,470	13,688	13,905	14,123
PG&E	13	LGO	37,926	38,760	38,639	39,424	40,227	41,043	41,863	42,599	43,335	44,075	44,817	45,560	46,321	47,058	47,792
PG&E	13	MSC	41,565	42,457	42,141	43,008	43,892	44,789	45,687	46,506	47,321	48,138	48,953	49,765	50,608	51,414	52,230
PG&E	13	REF	2,746	2,822	2,824	2,903	2,983	3,063	3,143	3,224	3,305	3,386	3,468	3,549	3,631	3,711	3,791
PG&E	13	RET	35,327	36,071	35,870	36,600	37,342	38,093	38,844	39,568	40,288	41,010	41,731	42,450	43,189	43,896	44,612
PG&E	13	RST	4,910	5,015	4,901	5,016	5,133	5,252	5,371	5,482	5,592	5,702	5,812	5,923	6,039	6,149	6,262
PG&E	13	SCH	19,879	20,236	20,224	20,556	20,897	21,244	21,592	21,944	22,295	22,648	22,999	23,351	23,723	24,050	24,384
PG&E	13	SMO	12,887	13,190	13,202	13,543	13,892	14,247	14,605	14,944	15,284	15,628	15,973	16,320	16,675	17,015	17,356
PG&E	13	WRH	29,191	29,976	29,950	30,635	31,328	32,030	32,733	33,416	34,097	34,784	35,469	36,153	36,845	37,517	38,191



PG&E  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
PG&E	16	COL	4,895	5,018	5,044	5,165	5,277	5,386	5,495	5,592	5,688	5,778	5,868	5,956	6,050	6,133	6,218
PG&E	16	GRC	4,032	4,135	4,134	4,248	4,354	4,458	4,561	4,659	4,756	4,849	4,942	5,033	5,127	5,217	5,308
PG&E	16	HLT	5,092	5,223	5,249	5,380	5,499	5,616	5,731	5,843	5,951	6,054	6,155	6,254	6,355	6,450	6,547
PG&E	16	LDG	4,662	4,783	4,777	4,895	5,003	5,107	5,209	5,306	5,399	5,487	5,571	5,652	5,735	5,817	5,900
PG&E	16	LGO	15,733	16,153	16,170	16,569	16,936	17,295	17,651	17,962	18,264	18,553	18,837	19,117	19,405	19,684	19,962
PG&E	16	MSC	17,242	17,693	17,635	18,074	18,478	18,872	19,262	19,608	19,943	20,263	20,577	20,885	21,206	21,515	21,829
PG&E	16	REF	1,139	1,176	1,182	1,220	1,256	1,291	1,325	1,359	1,393	1,425	1,458	1,489	1,521	1,552	1,584
PG&E	16	RET	14,654	15,032	15,011	15,381	15,721	16,051	16,378	16,683	16,980	17,262	17,541	17,814	18,095	18,366	18,641
PG&E	16	RST	2,037	2,090	2,051	2,108	2,161	2,213	2,264	2,311	2,356	2,400	2,443	2,486	2,531	2,574	2,619
PG&E	16	SCH	8,246	8,434	8,463	8,640	8,799	8,953	9,106	9,255	9,398	9,534	9,667	9,797	9,935	10,056	10,180
PG&E	16	SMO	5,346	5,497	5,525	5,692	5,849	6,003	6,158	6,301	6,442	6,578	6,714	6,848	6,986	7,119	7,251
PG&E	16	WRH	12,109	12,492	12,533	12,875	13,189	13,496	13,801	14,090	14,371	14,641	14,908	15,170	15,435	15,693	15,952

SCE  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SCE	6	COL	18,037	18,137	17,947	18,039	18,128	18,201	18,272	18,352	18,435	18,518	18,603	18,657	18,689	18,735	18,788
SCE	6	GRC	18,420	18,592	18,271	18,445	18,614	18,768	18,930	19,110	19,297	19,487	19,682	19,849	19,993	20,162	20,340
SCE	6	HLT	20,574	20,837	20,653	20,907	21,180	21,418	21,715	22,025	22,478	22,942	23,459	23,870	24,178	24,485	24,815
SCE	6	LDG	18,087	18,239	17,935	18,096	18,246	18,361	18,478	18,628	18,783	18,941	19,107	19,212	19,261	19,358	19,463
SCE	6	LGO	73,699	75,051	73,709	74,932	76,067	77,237	78,517	79,785	81,136	82,550	84,066	85,570	87,087	88,511	89,983
SCE	6	MSC	82,390	83,065	82,197	82,854	83,501	84,114	84,692	85,260	85,825	86,382	86,940	87,455	87,958	88,477	89,014
SCE	6	REF	3,018	3,035	2,953	2,971	2,990	3,006	3,024	3,045	3,068	3,091	3,116	3,136	3,150	3,175	3,201
SCE	6	RET	70,251	70,889	69,704	70,366	70,982	71,431	71,908	72,557	73,234	73,926	74,654	75,081	75,244	75,610	76,027
SCE	6	RST	13,161	13,350	13,153	13,325	13,490	13,647	13,808	13,974	14,145	14,318	14,495	14,657	14,809	14,965	15,128
SCE	6	SCH	36,926	37,361	36,892	37,283	37,628	37,942	38,209	38,436	38,584	38,640	38,655	38,645	38,627	38,717	38,794
SCE	6	SMO	25,037	25,417	25,044	25,394	25,722	26,057	26,414	26,763	27,127	27,497	27,883	28,261	28,642	29,009	29,385
SCE	6	WRH	66,279	67,133	65,606	66,362	67,074	67,758	68,473	69,210	69,971	70,744	71,546	72,270	72,911	73,677	74,456
SCE	8	COL	21,748	21,858	21,616	21,712	21,784	21,838	21,887	21,949	22,013	22,062	22,113	22,130	22,120	22,131	22,150
SCE	8	GRC	22,211	22,406	22,006	22,201	22,370	22,521	22,681	22,864	23,053	23,233	23,418	23,570	23,696	23,858	24,032
SCE	8	HLT	24,807	25,112	24,875	25,163	25,453	25,699	26,015	26,346	26,846	27,340	27,897	28,327	28,637	28,949	29,291
SCE	8	LDG	21,809	21,980	21,601	21,780	21,927	22,031	22,138	22,284	22,437	22,576	22,727	22,805	22,819	22,893	22,980
SCE	8	LGO	88,866	90,448	88,776	90,191	91,419	92,690	94,090	95,472	96,955	98,449	100,067	101,670	103,290	104,826	106,424
SCE	8	MSC	99,345	100,105	98,999	99,723	100,343	100,923	101,460	101,981	102,500	102,935	103,376	103,769	104,150	104,567	105,011
SCE	8	REF	3,639	3,658	3,556	3,576	3,593	3,608	3,624	3,644	3,666	3,687	3,709	3,726	3,736	3,760	3,785
SCE	8	RET	84,707	85,432	83,952	84,693	85,302	85,712	86,155	86,801	87,480	88,119	88,804	89,135	89,154	89,436	89,784
SCE	8	RST	15,870	16,089	15,842	16,038	16,212	16,375	16,544	16,719	16,899	17,069	17,247	17,405	17,553	17,709	17,874
SCE	8	SCH	44,526	45,025	44,434	44,874	45,219	45,526	45,777	45,978	46,085	46,051	45,971	45,862	45,747	45,767	45,774
SCE	8	SMO	30,189	30,632	30,163	30,564	30,912	31,268	31,649	32,021	32,408	32,782	33,176	33,561	33,949	34,328	34,720
SCE	8	WRH	79,919	80,905	79,018	79,875	80,611	81,312	82,051	82,815	83,608	84,360	85,150	85,849	86,452	87,222	88,014
SCE	9	COL	13,362	13,426	13,274	13,323	13,382	13,437	13,491	13,553	13,617	13,685	13,754	13,802	13,833	13,874	13,919
SCE	9	GRC	13,646	13,763	13,513	13,624	13,741	13,856	13,978	14,113	14,254	14,401	14,551	14,681	14,794	14,926	15,063
SCE	9	HLT	15,242	15,425	15,275	15,441	15,635	15,812	16,034	16,266	16,604	16,954	17,344	17,656	17,893	18,128	18,380
SCE	9	LDG	13,399	13,501	13,265	13,365	13,469	13,555	13,644	13,757	13,875	13,997	14,126	14,211	14,254	14,332	14,416
SCE	9	LGO	54,600	55,557	54,516	55,347	56,156	57,024	57,978	58,924	59,934	61,002	62,148	63,288	64,437	65,514	66,626
SCE	9	MSC	61,039	61,488	60,794	61,195	61,639	62,097	62,534	62,965	63,397	63,836	64,279	64,694	65,098	65,513	65,939
SCE	9	REF	2,236	2,247	2,184	2,195	2,207	2,219	2,233	2,249	2,266	2,284	2,303	2,319	2,331	2,350	2,370
SCE	9	RET	52,045	52,476	51,554	51,972	52,400	52,735	53,096	53,585	54,096	54,631	55,194	55,537	55,683	55,977	56,308
SCE	9	RST	9,751	9,882	9,728	9,842	9,958	10,075	10,195	10,320	10,449	10,580	10,717	10,841	10,959	11,079	11,204
SCE	9	SCH	27,357	27,656	27,286	27,537	27,777	28,011	28,213	28,386	28,501	28,555	28,580	28,587	28,588	28,668	28,738
SCE	9	SMO	18,548	18,815	18,523	18,756	18,989	19,237	19,504	19,765	20,038	20,320	20,614	20,904	21,195	21,475	21,762
SCE	9	WRH	49,103	49,696	48,524	49,016	49,517	50,025	50,561	51,114	51,687	52,279	52,894	53,454	53,952	54,539	55,137

SCE  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SCE	10	COL	16,106	16,513	16,651	17,049	17,443	17,807	18,166	18,535	18,902	19,278	19,652	19,990	20,305	20,620	20,939
SCE	10	GRC	16,448	16,923	16,948	17,422	17,887	18,324	18,765	19,225	19,686	20,160	20,634	21,074	21,492	21,910	22,333
SCE	10	HLT	18,371	18,969	19,160	19,754	20,369	20,937	21,565	22,211	23,003	23,824	24,706	25,476	26,144	26,782	27,445
SCE	10	LDG	16,150	16,602	16,637	17,095	17,540	17,937	18,332	18,761	19,191	19,633	20,079	20,457	20,775	21,121	21,473
SCE	10	LGO	65,810	68,303	68,362	70,748	73,046	75,331	77,720	80,105	82,566	85,135	87,807	90,465	93,158	95,608	98,100
SCE	10	MSC	73,570	75,621	76,257	78,294	80,314	82,243	84,128	86,006	87,864	89,757	91,632	93,449	95,263	97,016	98,783
SCE	10	REF	2,695	2,762	2,739	2,805	2,871	2,932	2,993	3,057	3,122	3,188	3,254	3,315	3,370	3,431	3,492
SCE	10	RET	62,730	64,527	64,660	66,472	68,231	69,774	71,332	73,062	74,803	76,597	78,414	79,894	81,088	82,402	83,752
SCE	10	RST	11,753	12,151	12,200	12,585	12,963	13,324	13,687	14,058	14,430	14,812	15,197	15,563	15,921	16,264	16,611
SCE	10	SCH	32,974	34,009	34,224	35,224	36,178	37,078	37,926	38,736	39,455	40,094	40,678	41,223	41,762	42,381	42,984
SCE	10	SMO	22,357	23,135	23,230	23,983	24,715	25,438	26,181	26,920	27,669	28,441	29,226	30,002	30,788	31,521	32,262
SCE	10	WRH	59,184	61,097	60,849	62,660	64,418	66,098	67,798	69,520	71,252	73,027	74,821	76,521	78,142	79,793	81,452
SCE	13	COL	3,015	3,070	3,078	3,133	3,186	3,235	3,284	3,334	3,385	3,434	3,483	3,526	3,565	3,605	3,645
SCE	13	GRC	3,079	3,147	3,133	3,203	3,268	3,331	3,395	3,463	3,531	3,598	3,666	3,728	3,786	3,846	3,906
SCE	13	HLT	3,439	3,527	3,542	3,631	3,721	3,805	3,899	3,997	4,122	4,247	4,384	4,500	4,598	4,691	4,789
SCE	13	LDG	3,023	3,087	3,075	3,142	3,205	3,260	3,316	3,378	3,441	3,502	3,565	3,616	3,656	3,702	3,750
SCE	13	LGO	12,318	12,702	12,638	13,007	13,350	13,699	14,068	14,436	14,821	15,211	15,620	16,027	16,438	16,814	17,198
SCE	13	MSC	13,771	14,062	14,096	14,390	14,671	14,944	15,211	15,477	15,743	15,999	16,254	16,500	16,743	16,980	17,219
SCE	13	REF	504	514	506	516	525	533	542	551	560	570	579	587	595	603	612
SCE	13	RET	11,742	11,999	11,953	12,219	12,466	12,683	12,903	13,155	13,412	13,665	13,924	14,125	14,274	14,450	14,633
SCE	13	RST	2,200	2,260	2,255	2,313	2,369	2,422	2,476	2,532	2,588	2,644	2,700	2,753	2,805	2,855	2,905
SCE	13	SCH	6,172	6,324	6,326	6,474	6,609	6,739	6,859	6,973	7,072	7,150	7,219	7,282	7,344	7,422	7,496
SCE	13	SMO	4,185	4,302	4,294	4,409	4,516	4,625	4,737	4,849	4,963	5,077	5,193	5,308	5,424	5,533	5,643
SCE	13	WRH	11,078	11,362	11,249	11,519	11,773	12,020	12,271	12,527	12,787	13,044	13,304	13,550	13,780	14,021	14,263
SCE	14	COL	8,622	8,778	8,793	8,946	9,099	9,242	9,382	9,529	9,676	9,827	9,978	10,112	10,233	10,356	10,481
SCE	14	GRC	8,805	8,997	8,950	9,143	9,335	9,516	9,700	9,896	10,093	10,296	10,500	10,687	10,863	11,042	11,223
SCE	14	HLT	9,835	10,084	10,118	10,366	10,628	10,869	11,141	11,424	11,783	12,154	12,556	12,901	13,193	13,473	13,765
SCE	14	LDG	8,646	8,826	8,786	8,971	9,153	9,313	9,474	9,654	9,835	10,021	10,210	10,366	10,491	10,633	10,777
SCE	14	LGO	35,231	36,313	36,103	37,135	38,131	39,134	40,194	41,257	42,362	43,518	44,728	45,932	47,149	48,261	49,395
SCE	14	MSC	39,385	40,198	40,268	41,083	41,903	42,691	43,460	44,233	45,001	45,781	46,557	47,307	48,051	48,773	49,502
SCE	14	REF	1,443	1,469	1,446	1,473	1,499	1,523	1,548	1,575	1,602	1,630	1,658	1,683	1,706	1,732	1,758
SCE	14	RET	33,582	34,303	34,145	34,884	35,606	36,230	36,865	37,596	38,337	39,101	39,880	40,492	40,957	41,495	42,052
SCE	14	RST	6,292	6,460	6,443	6,605	6,765	6,919	7,075	7,236	7,398	7,564	7,733	7,892	8,047	8,196	8,348
SCE	14	SCH	17,652	18,079	18,073	18,484	18,878	19,250	19,597	19,928	20,214	20,458	20,677	20,879	21,075	21,317	21,549
SCE	14	SMO	11,968	12,299	12,267	12,587	12,899	13,211	13,534	13,857	14,186	14,526	14,873	15,216	15,561	15,886	16,214
SCE	14	WRH	31,684	32,482	32,135	32,889	33,626	34,336	35,059	35,801	36,550	37,319	38,100	38,836	39,529	40,250	40,975

SCE  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SCE	15	COL	4,058	4,175	4,223	4,336	4,447	4,551	4,653	4,756	4,860	4,965	5,069	5,164	5,254	5,343	5,433
SCE	15	GRC	4,144	4,278	4,298	4,430	4,560	4,682	4,804	4,931	5,058	5,188	5,318	5,439	5,554	5,669	5,785
SCE	15	HLT	4,629	4,796	4,859	5,024	5,193	5,350	5,522	5,699	5,913	6,134	6,371	6,579	6,761	6,935	7,115
SCE	15	LDG	4,069	4,197	4,219	4,347	4,471	4,583	4,694	4,813	4,932	5,054	5,176	5,281	5,371	5,467	5,565
SCE	15	LGO	16,581	17,267	17,336	17,990	18,618	19,243	19,894	20,541	21,207	21,900	22,620	23,335	24,061	24,721	25,392
SCE	15	MSC	18,536	19,118	19,339	19,911	20,476	21,016	21,545	22,068	22,585	23,111	23,630	24,135	24,640	25,127	25,619
SCE	15	REF	679	698	694	713	732	749	766	784	802	820	838	855	870	887	904
SCE	15	RET	15,805	16,313	16,398	16,904	17,394	17,828	18,264	18,742	19,222	19,715	20,213	20,624	20,962	21,327	21,703
SCE	15	RST	2,961	3,072	3,094	3,200	3,304	3,404	3,504	3,606	3,708	3,812	3,917	4,017	4,115	4,208	4,303
SCE	15	SCH	8,308	8,598	8,679	8,957	9,223	9,474	9,712	9,938	10,140	10,322	10,488	10,645	10,799	10,975	11,145
SCE	15	SMO	5,633	5,849	5,891	6,099	6,300	6,499	6,703	6,905	7,109	7,319	7,532	7,743	7,956	8,156	8,357
SCE	15	WRH	14,911	15,445	15,431	15,933	16,420	16,885	17,355	17,828	18,302	18,788	19,277	19,742	20,187	20,638	21,090
SCE	16	COL	5,613	5,724	5,744	5,855	5,965	6,066	6,167	6,271	6,375	6,482	6,588	6,682	6,768	6,855	6,944
SCE	16	GRC	5,732	5,867	5,847	5,984	6,119	6,246	6,374	6,510	6,647	6,787	6,928	7,058	7,180	7,303	7,428
SCE	16	HLT	6,403	6,576	6,610	6,784	6,967	7,134	7,322	7,517	7,762	8,015	8,287	8,523	8,723	8,915	9,115
SCE	16	LDG	5,629	5,755	5,739	5,871	6,000	6,113	6,226	6,352	6,478	6,607	6,738	6,847	6,935	7,034	7,135
SCE	16	LGO	22,935	23,680	23,585	24,302	24,992	25,682	26,409	27,138	27,894	28,681	29,504	30,323	31,151	31,907	32,676
SCE	16	MSC	25,640	26,215	26,306	26,888	27,468	28,022	28,564	29,108	29,646	30,191	30,732	31,255	31,775	32,279	32,787
SCE	16	REF	939	958	945	964	982	1,000	1,017	1,036	1,055	1,074	1,093	1,111	1,127	1,145	1,163
SCE	16	RET	21,862	22,370	22,306	22,830	23,339	23,779	24,227	24,736	25,251	25,780	26,317	26,744	27,074	27,450	27,839
SCE	16	RST	4,096	4,213	4,209	4,323	4,434	4,541	4,649	4,761	4,873	4,987	5,102	5,212	5,318	5,421	5,525
SCE	16	SCH	11,492	11,790	11,806	12,098	12,375	12,635	12,879	13,112	13,316	13,490	13,647	13,792	13,935	14,106	14,271
SCE	16	SMO	7,791	8,020	8,014	8,238	8,455	8,670	8,894	9,116	9,343	9,576	9,813	10,048	10,285	10,507	10,731
SCE	16	WRH	20,626	21,182	20,992	21,523	22,040	22,533	23,036	23,550	24,068	24,598	25,135	25,641	26,120	26,615	27,112

SCG  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SoCalGas	4	COL	14,977	15,132	14,995	15,131	15,264	15,402	15,539	15,650	15,757	15,861	15,966	16,072	16,192	16,298	16,408
SoCalGas	4	GRC	12,335	12,471	12,292	12,449	12,602	12,760	12,917	13,065	13,210	13,353	13,497	13,641	13,793	13,948	14,107
SoCalGas	4	HLT	15,578	15,750	15,605	15,760	15,909	16,059	16,206	16,349	16,486	16,616	16,744	16,870	17,002	17,131	17,263
SoCalGas	4	LDG	14,264	14,425	14,203	14,345	14,480	14,616	14,747	14,872	14,988	15,097	15,201	15,303	15,407	15,525	15,649
SoCalGas	4	LGO	48,135	48,716	48,074	48,550	49,014	49,491	49,966	50,328	50,681	51,025	51,370	51,719	52,089	52,481	52,878
SoCalGas	4	MSC	52,753	53,364	52,433	52,969	53,492	54,030	54,565	54,995	55,415	55,824	56,234	56,648	57,099	57,580	58,087
SoCalGas	4	REF	3,485	3,547	3,514	3,575	3,635	3,694	3,753	3,811	3,868	3,924	3,979	4,034	4,089	4,146	4,203
SoCalGas	4	RET	44,836	45,337	44,629	45,075	45,505	45,945	46,380	46,772	47,153	47,523	47,893	48,264	48,658	49,072	49,506
SoCalGas	4	RST	6,231	6,304	6,099	6,179	6,258	6,339	6,421	6,490	6,559	6,627	6,695	6,765	6,841	6,921	7,006
SoCalGas	4	SCH	25,230	25,432	25,160	25,308	25,449	25,596	25,740	25,882	26,017	26,145	26,273	26,402	26,553	26,676	26,811
SoCalGas	4	SMO	16,355	16,578	16,426	16,678	16,928	17,182	17,436	17,662	17,884	18,103	18,323	18,544	18,772	19,002	19,234
SoCalGas	4	WRH	37,049	37,676	37,264	37,729	38,176	38,629	39,077	39,487	39,886	40,278	40,664	41,048	41,439	41,845	42,257
SoCalGas	5	COL	3,390	3,460	3,463	3,530	3,602	3,674	3,745	3,810	3,873	3,942	4,010	4,078	4,150	4,215	4,280
SoCalGas	5	GRC	2,792	2,851	2,839	2,904	2,973	3,041	3,110	3,175	3,239	3,308	3,377	3,445	3,516	3,582	3,650
SoCalGas	5	HLT	3,526	3,601	3,604	3,677	3,755	3,831	3,906	3,980	4,053	4,130	4,206	4,282	4,360	4,433	4,506
SoCalGas	5	LDG	3,228	3,298	3,280	3,346	3,416	3,484	3,551	3,615	3,678	3,743	3,807	3,870	3,933	3,996	4,059
SoCalGas	5	LGO	10,894	11,138	11,102	11,325	11,563	11,799	12,033	12,237	12,439	12,657	12,873	13,088	13,309	13,522	13,735
SoCalGas	5	MSC	11,939	12,200	12,109	12,355	12,617	12,875	13,132	13,360	13,584	13,824	14,061	14,297	14,541	14,774	15,010
SoCalGas	5	REF	789	811	812	834	857	880	903	926	949	972	996	1,020	1,043	1,066	1,089
SoCalGas	5	RET	10,148	10,365	10,307	10,514	10,734	10,950	11,165	11,367	11,565	11,777	11,987	12,195	12,409	12,614	12,821
SoCalGas	5	RST	1,410	1,441	1,408	1,441	1,476	1,510	1,544	1,575	1,605	1,638	1,670	1,701	1,735	1,767	1,800
SoCalGas	5	SCH	5,710	5,815	5,811	5,905	6,007	6,107	6,207	6,304	6,400	6,504	6,606	6,708	6,816	6,911	7,008
SoCalGas	5	SMO	3,702	3,790	3,793	3,890	3,993	4,096	4,198	4,293	4,388	4,488	4,588	4,688	4,791	4,889	4,988
SoCalGas	5	WRH	8,385	8,614	8,606	8,800	9,005	9,207	9,409	9,599	9,788	9,989	10,188	10,386	10,586	10,781	10,976
SoCalGas	6	COL	18,037	18,137	17,947	18,039	18,128	18,201	18,272	18,352	18,435	18,518	18,603	18,657	18,689	18,735	18,788
SoCalGas	6	GRC	18,420	18,592	18,271	18,445	18,614	18,768	18,930	19,110	19,297	19,487	19,682	19,849	19,993	20,162	20,340
SoCalGas	6	HLT	20,574	20,837	20,653	20,907	21,180	21,418	21,715	22,025	22,478	22,942	23,459	23,870	24,178	24,485	24,815
SoCalGas	6	LDG	18,087	18,239	17,935	18,096	18,246	18,361	18,478	18,628	18,783	18,941	19,107	19,212	19,261	19,358	19,463
SoCalGas	6	LGO	73,699	75,051	73,709	74,932	76,067	77,237	78,517	79,785	81,136	82,550	84,066	85,570	87,087	88,511	89,983
SoCalGas	6	MSC	82,390	83,065	82,197	82,854	83,501	84,114	84,692	85,260	85,825	86,382	86,940	87,455	87,958	88,477	89,014
SoCalGas	6	REF	3,018	3,035	2,953	2,971	2,990	3,006	3,024	3,045	3,068	3,091	3,116	3,136	3,150	3,175	3,201
SoCalGas	6	RET	70,251	70,889	69,704	70,366	70,982	71,431	71,908	72,557	73,234	73,926	74,654	75,081	75,244	75,610	76,027
SoCalGas	6	RST	13,161	13,350	13,153	13,325	13,490	13,647	13,808	13,974	14,145	14,318	14,495	14,657	14,809	14,965	15,128
SoCalGas	6	SCH	36,926	37,361	36,892	37,283	37,628	37,942	38,209	38,436	38,584	38,640	38,655	38,645	38,627	38,717	38,794
SoCalGas	6	SMO	25,037	25,417	25,044	25,394	25,722	26,057	26,414	26,763	27,127	27,497	27,883	28,261	28,642	29,009	29,385
SoCalGas	6	WRH	66,279	67,133	65,606	66,362	67,074	67,758	68,473	69,210	69,971	70,744	71,546	72,270	72,911	73,677	74,456

SCG  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SoCalGas	8	COL	21,748	21,858	21,616	21,712	21,784	21,838	21,887	21,949	22,013	22,062	22,113	22,130	22,120	22,131	22,150
SoCalGas	8	GRC	22,211	22,406	22,006	22,201	22,370	22,521	22,681	22,864	23,053	23,233	23,418	23,570	23,696	23,858	24,032
SoCalGas	8	HLT	24,807	25,112	24,875	25,163	25,453	25,699	26,015	26,346	26,846	27,340	27,897	28,327	28,637	28,949	29,291
SoCalGas	8	LDG	21,809	21,980	21,601	21,780	21,927	22,031	22,138	22,284	22,437	22,576	22,727	22,805	22,819	22,893	22,980
SoCalGas	8	LGO	88,866	90,448	88,776	90,191	91,419	92,690	94,090	95,472	96,955	98,449	100,067	101,670	103,290	104,826	106,424
SoCalGas	8	MSC	99,345	100,105	98,999	99,723	100,343	100,923	101,460	101,981	102,500	102,935	103,376	103,769	104,150	104,567	105,011
SoCalGas	8	REF	3,639	3,658	3,556	3,576	3,593	3,608	3,624	3,644	3,666	3,687	3,709	3,726	3,736	3,760	3,785
SoCalGas	8	RET	84,707	85,432	83,952	84,693	85,302	85,712	86,155	86,801	87,480	88,119	88,804	89,135	89,154	89,436	89,784
SoCalGas	8	RST	15,870	16,089	15,842	16,038	16,212	16,375	16,544	16,719	16,899	17,069	17,247	17,405	17,553	17,709	17,874
SoCalGas	8	SCH	44,526	45,025	44,434	44,874	45,219	45,526	45,777	45,978	46,085	46,051	45,971	45,862	45,747	45,767	45,774
SoCalGas	8	SMO	30,189	30,632	30,163	30,564	30,912	31,268	31,649	32,021	32,408	32,782	33,176	33,561	33,949	34,328	34,720
SoCalGas	8	WRH	79,919	80,905	79,018	79,875	80,611	81,312	82,051	82,815	83,608	84,360	85,150	85,849	86,452	87,222	88,014
SoCalGas	9	COL	13,362	13,426	13,274	13,323	13,382	13,437	13,491	13,553	13,617	13,685	13,754	13,802	13,833	13,874	13,919
SoCalGas	9	GRC	13,646	13,763	13,513	13,624	13,741	13,856	13,978	14,113	14,254	14,401	14,551	14,681	14,794	14,926	15,063
SoCalGas	9	HLT	15,242	15,425	15,275	15,441	15,635	15,812	16,034	16,266	16,604	16,954	17,344	17,656	17,893	18,128	18,380
SoCalGas	9	LDG	13,399	13,501	13,265	13,365	13,469	13,555	13,644	13,757	13,875	13,997	14,126	14,211	14,254	14,332	14,416
SoCalGas	9	LGO	54,600	55,557	54,516	55,347	56,156	57,024	57,978	58,924	59,934	61,002	62,148	63,288	64,437	65,514	66,626
SoCalGas	9	MSC	61,039	61,488	60,794	61,195	61,639	62,097	62,534	62,965	63,397	63,836	64,279	64,694	65,098	65,513	65,939
SoCalGas	9	REF	2,236	2,247	2,184	2,195	2,207	2,219	2,233	2,249	2,266	2,284	2,303	2,319	2,331	2,350	2,370
SoCalGas	9	RET	52,045	52,476	51,554	51,972	52,400	52,735	53,096	53,585	54,096	54,631	55,194	55,537	55,683	55,977	56,308
SoCalGas	9	RST	9,751	9,882	9,728	9,842	9,958	10,075	10,195	10,320	10,449	10,580	10,717	10,841	10,959	11,079	11,204
SoCalGas	9	SCH	27,357	27,656	27,286	27,537	27,777	28,011	28,213	28,386	28,501	28,555	28,580	28,587	28,588	28,668	28,738
SoCalGas	9	SMO	18,548	18,815	18,523	18,756	18,989	19,237	19,504	19,765	20,038	20,320	20,614	20,904	21,195	21,475	21,762
SoCalGas	9	WRH	49,103	49,696	48,524	49,016	49,517	50,025	50,561	51,114	51,687	52,279	52,894	53,454	53,952	54,539	55,137
SoCalGas	10	COL	16,106	16,513	16,651	17,049	17,443	17,807	18,166	18,535	18,902	19,278	19,652	19,990	20,305	20,620	20,939
SoCalGas	10	GRC	16,448	16,923	16,948	17,422	17,887	18,324	18,765	19,225	19,686	20,160	20,634	21,074	21,492	21,910	22,333
SoCalGas	10	HLT	18,371	18,969	19,160	19,754	20,369	20,937	21,565	22,211	23,003	23,824	24,706	25,476	26,144	26,782	27,445
SoCalGas	10	LDG	16,150	16,602	16,637	17,095	17,540	17,937	18,332	18,761	19,191	19,633	20,079	20,457	20,775	21,121	21,473
SoCalGas	10	LGO	65,810	68,303	68,362	70,748	73,046	75,331	77,720	80,105	82,566	85,135	87,807	90,465	93,158	95,608	98,100
SoCalGas	10	MSC	73,570	75,621	76,257	78,294	80,314	82,243	84,128	86,006	87,864	89,757	91,632	93,449	95,263	97,016	98,783
SoCalGas	10	REF	2,695	2,762	2,739	2,805	2,871	2,932	2,993	3,057	3,122	3,188	3,254	3,315	3,370	3,431	3,492
SoCalGas	10	RET	62,730	64,527	64,660	66,472	68,231	69,774	71,332	73,062	74,803	76,597	78,414	79,894	81,088	82,402	83,752
SoCalGas	10	RST	11,753	12,151	12,200	12,585	12,963	13,324	13,687	14,058	14,430	14,812	15,197	15,563	15,921	16,264	16,611
SoCalGas	10	SCH	32,974	34,009	34,224	35,224	36,178	37,078	37,926	38,736	39,455	40,094	40,678	41,223	41,762	42,381	42,984
SoCalGas	10	SMO	22,357	23,135	23,230	23,983	24,715	25,438	26,181	26,920	27,669	28,441	29,226	30,002	30,788	31,521	32,262
SoCalGas	10	WRH	59,184	61,097	60,849	62,660	64,418	66,098	67,798	69,520	71,252	73,027	74,821	76,521	78,142	79,793	81,452

SCG  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SoCalGas	13	COL	11,801	12,040	12,053	12,289	12,532	12,780	13,030	13,261	13,493	13,727	13,961	14,196	14,444	14,667	14,892
SoCalGas	13	GRC	9,719	9,922	9,879	10,108	10,342	10,579	10,818	11,051	11,284	11,520	11,756	11,993	12,236	12,467	12,701
SoCalGas	13	HLT	12,274	12,532	12,544	12,800	13,061	13,326	13,589	13,855	14,119	14,382	14,645	14,906	15,173	15,426	15,680
SoCalGas	13	LDG	11,238	11,477	11,416	11,648	11,884	12,120	12,353	12,585	12,811	13,034	13,254	13,470	13,688	13,905	14,123
SoCalGas	13	LGO	37,926	38,760	38,639	39,424	40,227	41,043	41,863	42,599	43,335	44,075	44,817	45,560	46,321	47,058	47,792
SoCalGas	13	MSC	41,565	42,457	42,141	43,008	43,892	44,789	45,687	46,506	47,321	48,138	48,953	49,765	50,608	51,414	52,230
SoCalGas	13	REF	2,746	2,822	2,824	2,903	2,983	3,063	3,143	3,224	3,305	3,386	3,468	3,549	3,631	3,711	3,791
SoCalGas	13	RET	35,327	36,071	35,870	36,600	37,342	38,093	38,844	39,568	40,288	41,010	41,731	42,450	43,189	43,896	44,612
SoCalGas	13	RST	4,910	5,015	4,901	5,016	5,133	5,252	5,371	5,482	5,592	5,702	5,812	5,923	6,039	6,149	6,262
SoCalGas	13	SCH	19,879	20,236	20,224	20,556	20,897	21,244	21,592	21,944	22,295	22,648	22,999	23,351	23,723	24,050	24,384
SoCalGas	13	SMO	12,887	13,190	13,202	13,543	13,892	14,247	14,605	14,944	15,284	15,628	15,973	16,320	16,675	17,015	17,356
SoCalGas	13	WRH	29,191	29,976	29,950	30,635	31,328	32,030	32,733	33,416	34,097	34,784	35,469	36,153	36,845	37,517	38,191
SoCalGas	14	COL	8,622	8,778	8,793	8,946	9,099	9,242	9,382	9,529	9,676	9,827	9,978	10,112	10,233	10,356	10,481
SoCalGas	14	GRC	8,805	8,997	8,950	9,143	9,335	9,516	9,700	9,896	10,093	10,296	10,500	10,687	10,863	11,042	11,223
SoCalGas	14	HLT	9,835	10,084	10,118	10,366	10,628	10,869	11,141	11,424	11,783	12,154	12,556	12,901	13,193	13,473	13,765
SoCalGas	14	LDG	8,646	8,826	8,786	8,971	9,153	9,313	9,474	9,654	9,835	10,021	10,210	10,366	10,491	10,633	10,777
SoCalGas	14	LGO	35,231	36,313	36,103	37,135	38,131	39,134	40,194	41,257	42,362	43,518	44,728	45,932	47,149	48,261	49,395
SoCalGas	14	MSC	39,385	40,198	40,268	41,083	41,903	42,691	43,460	44,233	45,001	45,781	46,557	47,307	48,051	48,773	49,502
SoCalGas	14	REF	1,443	1,469	1,446	1,473	1,499	1,523	1,548	1,575	1,602	1,630	1,658	1,683	1,706	1,732	1,758
SoCalGas	14	RET	33,582	34,303	34,145	34,884	35,606	36,230	36,865	37,596	38,337	39,101	39,880	40,492	40,957	41,495	42,052
SoCalGas	14	RST	6,292	6,460	6,443	6,605	6,765	6,919	7,075	7,236	7,398	7,564	7,733	7,892	8,047	8,196	8,348
SoCalGas	14	SCH	17,652	18,079	18,073	18,484	18,878	19,250	19,597	19,928	20,214	20,458	20,677	20,879	21,075	21,317	21,549
SoCalGas	14	SMO	11,968	12,299	12,267	12,587	12,899	13,211	13,534	13,857	14,186	14,526	14,873	15,216	15,561	15,886	16,214
SoCalGas	14	WRH	31,684	32,482	32,135	32,889	33,626	34,336	35,059	35,801	36,550	37,319	38,100	38,836	39,529	40,250	40,975
SoCalGas	15	COL	4,058	4,175	4,223	4,336	4,447	4,551	4,653	4,756	4,860	4,965	5,069	5,164	5,254	5,343	5,433
SoCalGas	15	GRC	4,144	4,278	4,298	4,430	4,560	4,682	4,804	4,931	5,058	5,188	5,318	5,439	5,554	5,669	5,785
SoCalGas	15	HLT	4,629	4,796	4,859	5,024	5,193	5,350	5,522	5,699	5,913	6,134	6,371	6,579	6,761	6,935	7,115
SoCalGas	15	LDG	4,069	4,197	4,219	4,347	4,471	4,583	4,694	4,813	4,932	5,054	5,176	5,281	5,371	5,467	5,565
SoCalGas	15	LGO	16,581	17,267	17,336	17,990	18,618	19,243	19,894	20,541	21,207	21,900	22,620	23,335	24,061	24,721	25,392
SoCalGas	15	MSC	18,536	19,118	19,339	19,911	20,476	21,016	21,545	22,068	22,585	23,111	23,630	24,135	24,640	25,127	25,619
SoCalGas	15	REF	679	698	694	713	732	749	766	784	802	820	838	855	870	887	904
SoCalGas	15	RET	15,805	16,313	16,398	16,904	17,394	17,828	18,264	18,742	19,222	19,715	20,213	20,624	20,962	21,327	21,703
SoCalGas	15	RST	2,961	3,072	3,094	3,200	3,304	3,404	3,504	3,606	3,708	3,812	3,917	4,017	4,115	4,208	4,303
SoCalGas	15	SCH	8,308	8,598	8,679	8,957	9,223	9,474	9,712	9,938	10,140	10,322	10,488	10,645	10,799	10,975	11,145
SoCalGas	15	SMO	5,633	5,849	5,891	6,099	6,300	6,499	6,703	6,905	7,109	7,319	7,532	7,743	7,956	8,156	8,357
SoCalGas	15	WRH	14,911	15,445	15,431	15,933	16,420	16,885	17,355	17,828	18,302	18,788	19,277	19,742	20,187	20,638	21,090

SCG  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SoCalGas	16	COL	5,613	5,724	5,744	5,855	5,965	6,066	6,167	6,271	6,375	6,482	6,588	6,682	6,768	6,855	6,944
SoCalGas	16	GRC	5,732	5,867	5,847	5,984	6,119	6,246	6,374	6,510	6,647	6,787	6,928	7,058	7,180	7,303	7,428
SoCalGas	16	HLT	6,403	6,576	6,610	6,784	6,967	7,134	7,322	7,517	7,762	8,015	8,287	8,523	8,723	8,915	9,115
SoCalGas	16	LDG	5,629	5,755	5,739	5,871	6,000	6,113	6,226	6,352	6,478	6,607	6,738	6,847	6,935	7,034	7,135
SoCalGas	16	LGO	22,935	23,680	23,585	24,302	24,992	25,682	26,409	27,138	27,894	28,681	29,504	30,323	31,151	31,907	32,676
SoCalGas	16	MSC	25,640	26,215	26,306	26,888	27,468	28,022	28,564	29,108	29,646	30,191	30,732	31,255	31,775	32,279	32,787
SoCalGas	16	REF	939	958	945	964	982	1,000	1,017	1,036	1,055	1,074	1,093	1,111	1,127	1,145	1,163
SoCalGas	16	RET	21,862	22,370	22,306	22,830	23,339	23,779	24,227	24,736	25,251	25,780	26,317	26,744	27,074	27,450	27,839
SoCalGas	16	RST	4,096	4,213	4,209	4,323	4,434	4,541	4,649	4,761	4,873	4,987	5,102	5,212	5,318	5,421	5,525
SoCalGas	16	SCH	11,492	11,790	11,806	12,098	12,375	12,635	12,879	13,112	13,316	13,490	13,647	13,792	13,935	14,106	14,271
SoCalGas	16	SMO	7,791	8,020	8,014	8,238	8,455	8,670	8,894	9,116	9,343	9,576	9,813	10,048	10,285	10,507	10,731
SoCalGas	16	WRH	20,626	21,182	20,992	21,523	22,040	22,533	23,036	23,550	24,068	24,598	25,135	25,641	26,120	26,615	27,112



SDG&E  
Commercial Floorspace Forecast

Utility	Title 24 Climate Zone	Segment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SDG&E	7	COL	16,213	16,548	16,564	16,922	17,262	17,603	17,945	18,224	18,504	18,784	19,064	19,344	19,630	19,914	20,191
SDG&E	7	GRC	14,258	14,531	14,443	14,697	14,946	15,192	15,434	15,675	15,912	16,148	16,380	16,609	16,842	17,070	17,299
SDG&E	7	HLT	19,231	19,555	19,531	19,941	20,335	20,729	21,124	21,519	21,915	22,312	22,709	23,106	23,508	23,902	24,299
SDG&E	7	LDG	22,666	23,253	23,088	23,654	24,208	24,750	25,281	25,798	26,301	26,791	27,269	27,734	28,196	28,677	29,157
SDG&E	7	LGO	57,021	58,520	58,071	59,383	60,672	60,670	60,668	60,667	60,666	60,665	60,664	60,662	60,685	60,658	60,641
SDG&E	7	MSC	46,355	47,313	47,211	48,232	49,206	50,182	51,158	51,957	52,756	53,556	54,357	55,158	55,976	56,795	57,595
SDG&E	7	REF	415	424	420	429	438	447	455	463	470	477	484	491	498	506	514
SDG&E	7	RET	59,659	60,750	60,327	61,309	62,266	63,200	64,115	65,015	65,899	66,774	67,631	68,471	69,322	70,169	71,020
SDG&E	7	RST	9,342	9,426	9,287	9,361	9,431	9,499	9,566	9,630	9,693	9,754	9,814	9,873	9,934	10,000	10,068
SDG&E	7	SCH	25,480	25,791	25,614	25,913	26,205	26,492	26,772	27,047	27,316	27,580	27,838	28,091	28,359	28,605	28,861
SDG&E	7	SMO	33,443	34,133	33,604	34,342	35,044	35,748	36,452	37,029	37,606	38,183	38,760	39,339	39,920	40,555	41,180
SDG&E	7	WRH	40,353	41,344	41,162	42,051	42,920	43,773	44,614	45,449	46,274	47,102	47,916	48,719	49,528	50,325	51,125
SDG&E	10	COL	4,748	4,846	4,852	4,957	5,057	5,158	5,258	5,340	5,423	5,505	5,587	5,670	5,754	5,838	5,920
SDG&E	10	GRC	4,175	4,256	4,230	4,305	4,379	4,451	4,523	4,593	4,663	4,733	4,801	4,868	4,937	5,004	5,072
SDG&E	10	HLT	5,632	5,727	5,721	5,842	5,957	6,074	6,190	6,306	6,422	6,539	6,656	6,773	6,891	7,007	7,124
SDG&E	10	LDG	6,637	6,810	6,763	6,929	7,092	7,252	7,408	7,560	7,708	7,852	7,992	8,129	8,265	8,407	8,548
SDG&E	10	LGO	16,698	17,139	17,009	17,395	17,775	17,776	17,777	17,778	17,779	17,779	17,780	17,781	17,789	17,783	17,779
SDG&E	10	MSC	13,574	13,856	13,828	14,129	14,416	14,703	14,990	15,225	15,461	15,696	15,932	16,168	16,409	16,650	16,886
SDG&E	10	REF	122	124	123	126	128	131	133	136	138	140	142	144	146	148	151
SDG&E	10	RET	17,470	17,792	17,670	17,960	18,242	18,518	18,787	19,052	19,312	19,570	19,822	20,070	20,321	20,571	20,822
SDG&E	10	RST	2,736	2,761	2,720	2,742	2,763	2,783	2,803	2,822	2,841	2,859	2,877	2,894	2,912	2,931	2,952
SDG&E	10	SCH	7,462	7,554	7,502	7,591	7,677	7,762	7,845	7,926	8,005	8,083	8,159	8,234	8,313	8,386	8,461
SDG&E	10	SMO	9,793	9,997	9,843	10,060	10,267	10,474	10,681	10,851	11,020	11,190	11,360	11,530	11,701	11,888	12,072
SDG&E	10	WRH	11,817	12,108	12,056	12,318	12,574	12,825	13,073	13,319	13,561	13,804	14,044	14,280	14,519	14,753	14,989
SDG&E	14	COL	2,310	2,358	2,360	2,411	2,460	2,509	2,558	2,598	2,638	2,678	2,718	2,758	2,799	2,840	2,880
SDG&E	14	GRC	2,031	2,070	2,058	2,094	2,130	2,165	2,200	2,235	2,269	2,302	2,336	2,368	2,402	2,434	2,467
SDG&E	14	HLT	2,740	2,786	2,783	2,842	2,898	2,955	3,011	3,068	3,124	3,181	3,238	3,295	3,352	3,409	3,466
SDG&E	14	LDG	3,229	3,313	3,290	3,371	3,450	3,528	3,604	3,678	3,750	3,820	3,888	3,955	4,021	4,090	4,158
SDG&E	14	LGO	8,123	8,338	8,275	8,463	8,647	8,648	8,648	8,649	8,649	8,649	8,650	8,650	8,657	8,671	8,691
SDG&E	14	MSC	6,604	6,741	6,727	6,874	7,013	7,153	7,293	7,407	7,521	7,636	7,751	7,865	7,983	8,100	8,215
SDG&E	14	REF	59	60	60	61	62	64	65	66	67	68	69	70	71	72	73
SDG&E	14	RET	8,499	8,655	8,596	8,737	8,874	9,009	9,140	9,269	9,395	9,520	9,643	9,764	9,886	10,007	10,129
SDG&E	14	RST	1,331	1,343	1,323	1,334	1,344	1,354	1,364	1,373	1,382	1,391	1,399	1,408	1,417	1,426	1,436
SDG&E	14	SCH	3,630	3,675	3,650	3,693	3,735	3,776	3,816	3,856	3,894	3,932	3,969	4,006	4,044	4,080	4,116
SDG&E	14	SMO	4,764	4,863	4,788	4,894	4,995	5,095	5,196	5,279	5,361	5,444	5,526	5,609	5,693	5,783	5,873
SDG&E	14	WRH	5,749	5,891	5,865	5,993	6,117	6,239	6,360	6,479	6,597	6,716	6,832	6,947	7,063	7,177	7,292

## D.4 Energy Time-Of-Use Shares and Coincident Peak Factors

The following table lists the name of the energy time-of-use shares associated with each technology and segment for existing commercial units. The energy time-of-use shares are either statewide, or change by region. Using the name of the energy time-of-use share, the actual load shape and peak factors are listed in Table D-2.

**Table D-1: Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_CK_FdStmr	Cooking	COL	COL_CookElec	Region
1_CK_FdStmr	Cooking	GRC	GRC_CookElec	Region
1_CK_FdStmr	Cooking	HLT	HLT_CookElec	Region
1_CK_FdStmr	Cooking	LDG	LDG_CookElec	Region
1_CK_FdStmr	Cooking	LGO	LGO_CookElec	Region
1_CK_FdStmr	Cooking	MSC	MSC_CookElec	Region
1_CK_FdStmr	Cooking	REF	REF_CookElec	Region
1_CK_FdStmr	Cooking	RET	RET_CookElec	Region
1_CK_FdStmr	Cooking	RST	RST_CookElec	Region
1_CK_FdStmr	Cooking	SCH	SCH_CookElec	Region
1_CK_FdStmr	Cooking	SMO	SMO_CookElec	Region
1_CK_FdStmr	Cooking	WRH	WRH_CookElec	Region
1_CK_HoldCbnt	Cooking	COL	COL_CookElec	Region
1_CK_HoldCbnt	Cooking	GRC	GRC_CookElec	Region
1_CK_HoldCbnt	Cooking	HLT	HLT_CookElec	Region
1_CK_HoldCbnt	Cooking	LDG	LDG_CookElec	Region
1_CK_HoldCbnt	Cooking	LGO	LGO_CookElec	Region
1_CK_HoldCbnt	Cooking	MSC	MSC_CookElec	Region
1_CK_HoldCbnt	Cooking	REF	REF_CookElec	Region
1_CK_HoldCbnt	Cooking	RET	RET_CookElec	Region
1_CK_HoldCbnt	Cooking	RST	RST_CookElec	Region
1_CK_HoldCbnt	Cooking	SCH	SCH_CookElec	Region
1_CK_HoldCbnt	Cooking	SMO	SMO_CookElec	Region
1_CK_HoldCbnt	Cooking	WRH	WRH_CookElec	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_HV_CentChBase	HVAC	COL	COL_Cool	Region
1_HV_CentChBase	HVAC	GRC	GRC_Cool	Region
1_HV_CentChBase	HVAC	HLT	HLT_Cool	Region
1_HV_CentChBase	HVAC	LDG	LDG_Cool	Region
1_HV_CentChBase	HVAC	LGO	LGO_Cool	Region
1_HV_CentChBase	HVAC	MSC	MSC_Cool	Region
1_HV_CentChBase	HVAC	REF	REF_Cool	Region
1_HV_CentChBase	HVAC	RET	RET_Cool	Region
1_HV_CentChBase	HVAC	RST	RST_Cool	Region
1_HV_CentChBase	HVAC	SCH	SCH_Cool	Region
1_HV_CentChBase	HVAC	SMO	SMO_Cool	Region
1_HV_CentChBase	HVAC	WRH	WRH_Cool	Region
1_HV_PACge65	HVAC	COL	COL_Cool	Region
1_HV_PACge65	HVAC	GRC	GRC_Cool	Region
1_HV_PACge65	HVAC	HLT	HLT_Cool	Region
1_HV_PACge65	HVAC	LDG	LDG_Cool	Region
1_HV_PACge65	HVAC	LGO	LGO_Cool	Region
1_HV_PACge65	HVAC	MSC	MSC_Cool	Region
1_HV_PACge65	HVAC	REF	REF_Cool	Region
1_HV_PACge65	HVAC	RET	RET_Cool	Region
1_HV_PACge65	HVAC	RST	RST_Cool	Region
1_HV_PACge65	HVAC	SCH	SCH_Cool	Region
1_HV_PACge65	HVAC	SMO	SMO_Cool	Region
1_HV_PACge65	HVAC	WRH	WRH_Cool	Region
1_HV_PAClt65	HVAC	COL	COL_Cool	Region
1_HV_PAClt65	HVAC	GRC	GRC_Cool	Region
1_HV_PAClt65	HVAC	HLT	HLT_Cool	Region
1_HV_PAClt65	HVAC	LDG	LDG_Cool	Region
1_HV_PAClt65	HVAC	LGO	LGO_Cool	Region
1_HV_PAClt65	HVAC	MSC	MSC_Cool	Region
1_HV_PAClt65	HVAC	REF	REF_Cool	Region
1_HV_PAClt65	HVAC	RET	RET_Cool	Region
1_HV_PAClt65	HVAC	RST	RST_Cool	Region
1_HV_PAClt65	HVAC	SCH	SCH_Cool	Region
1_HV_PAClt65	HVAC	SMO	SMO_Cool	Region
1_HV_PAClt65	HVAC	WRH	WRH_Cool	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_HV_PTUge24	HVAC	COL	COL_Cool	Region
1_HV_PTUge24	HVAC	GRC	GRC_Cool	Region
1_HV_PTUge24	HVAC	HLT	HLT_Cool	Region
1_HV_PTUge24	HVAC	LDG	LDG_Cool	Region
1_HV_PTUge24	HVAC	LGO	LGO_Cool	Region
1_HV_PTUge24	HVAC	MSC	MSC_Cool	Region
1_HV_PTUge24	HVAC	REF	REF_Cool	Region
1_HV_PTUge24	HVAC	RET	RET_Cool	Region
1_HV_PTUge24	HVAC	RST	RST_Cool	Region
1_HV_PTUge24	HVAC	SCH	SCH_Cool	Region
1_HV_PTUge24	HVAC	SMO	SMO_Cool	Region
1_HV_PTUge24	HVAC	WRH	WRH_Cool	Region
1_HV_PTUlt24	HVAC	COL	COL_Cool	Region
1_HV_PTUlt24	HVAC	GRC	GRC_Cool	Region
1_HV_PTUlt24	HVAC	HLT	HLT_Cool	Region
1_HV_PTUlt24	HVAC	LDG	LDG_Cool	Region
1_HV_PTUlt24	HVAC	LGO	LGO_Cool	Region
1_HV_PTUlt24	HVAC	MSC	MSC_Cool	Region
1_HV_PTUlt24	HVAC	REF	REF_Cool	Region
1_HV_PTUlt24	HVAC	RET	RET_Cool	Region
1_HV_PTUlt24	HVAC	RST	RST_Cool	Region
1_HV_PTUlt24	HVAC	SCH	SCH_Cool	Region
1_HV_PTUlt24	HVAC	SMO	SMO_Cool	Region
1_HV_PTUlt24	HVAC	WRH	WRH_Cool	Region
1_HV_RecChBase	HVAC	COL	COL_Cool	Region
1_HV_RecChBase	HVAC	GRC	GRC_Cool	Region
1_HV_RecChBase	HVAC	HLT	HLT_Cool	Region
1_HV_RecChBase	HVAC	LDG	LDG_Cool	Region
1_HV_RecChBase	HVAC	LGO	LGO_Cool	Region
1_HV_RecChBase	HVAC	MSC	MSC_Cool	Region
1_HV_RecChBase	HVAC	REF	REF_Cool	Region
1_HV_RecChBase	HVAC	RET	RET_Cool	Region
1_HV_RecChBase	HVAC	RST	RST_Cool	Region
1_HV_RecChBase	HVAC	SCH	SCH_Cool	Region
1_HV_RecChBase	HVAC	SMO	SMO_Cool	Region
1_HV_RecChBase	HVAC	WRH	WRH_Cool	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_LT_4T12	Lighting	COL	COL_Lights	Region
1_LT_4T12	Lighting	GRC	GRC_Lights	Region
1_LT_4T12	Lighting	HLT	HLT_Lights	Region
1_LT_4T12	Lighting	LDG	LDG_Lights	Region
1_LT_4T12	Lighting	LGO	LGO_Lights	Region
1_LT_4T12	Lighting	MSC	MSC_Lights	Region
1_LT_4T12	Lighting	REF	REF_Lights	Region
1_LT_4T12	Lighting	RET	RET_Lights	Region
1_LT_4T12	Lighting	RST	RST_Lights	Region
1_LT_4T12	Lighting	SCH	SCH_Lights	Region
1_LT_4T12	Lighting	SMO	SMO_Lights	Region
1_LT_4T12	Lighting	WRH	WRH_Lights	Region
1_LT_8T12	Lighting	COL	COL_Lights	Region
1_LT_8T12	Lighting	GRC	GRC_Lights	Region
1_LT_8T12	Lighting	HLT	HLT_Lights	Region
1_LT_8T12	Lighting	LDG	LDG_Lights	Region
1_LT_8T12	Lighting	LGO	LGO_Lights	Region
1_LT_8T12	Lighting	MSC	MSC_Lights	Region
1_LT_8T12	Lighting	REF	REF_Lights	Region
1_LT_8T12	Lighting	RET	RET_Lights	Region
1_LT_8T12	Lighting	RST	RST_Lights	Region
1_LT_8T12	Lighting	SCH	SCH_Lights	Region
1_LT_8T12	Lighting	SMO	SMO_Lights	Region
1_LT_8T12	Lighting	WRH	WRH_Lights	Region
1_LT_EXINC300	Lighting	COL	COL_LightExt	Region
1_LT_EXINC300	Lighting	GRC	GRC_LightExt	Region
1_LT_EXINC300	Lighting	HLT	HLT_LightExt	Region
1_LT_EXINC300	Lighting	LDG	LDG_LightExt	Region
1_LT_EXINC300	Lighting	LGO	LGO_LightExt	Region
1_LT_EXINC300	Lighting	MSC	MSC_LightExt	Region
1_LT_EXINC300	Lighting	REF	REF_LightExt	Region
1_LT_EXINC300	Lighting	RET	RET_LightExt	Region
1_LT_EXINC300	Lighting	RST	RST_LightExt	Region
1_LT_EXINC300	Lighting	SCH	SCH_LightExt	Region
1_LT_EXINC300	Lighting	SMO	SMO_LightExt	Region
1_LT_EXINC300	Lighting	WRH	WRH_LightExt	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_LT_EXINC500	Lighting	COL	COL_LightExt	Region
1_LT_EXINC500	Lighting	GRC	GRC_LightExt	Region
1_LT_EXINC500	Lighting	HLT	HLT_LightExt	Region
1_LT_EXINC500	Lighting	LDG	LDG_LightExt	Region
1_LT_EXINC500	Lighting	LGO	LGO_LightExt	Region
1_LT_EXINC500	Lighting	MSC	MSC_LightExt	Region
1_LT_EXINC500	Lighting	REF	REF_LightExt	Region
1_LT_EXINC500	Lighting	RET	RET_LightExt	Region
1_LT_EXINC500	Lighting	RST	RST_LightExt	Region
1_LT_EXINC500	Lighting	SCH	SCH_LightExt	Region
1_LT_EXINC500	Lighting	SMO	SMO_LightExt	Region
1_LT_EXINC500	Lighting	WRH	WRH_LightExt	Region
1_LT_EXINC700	Lighting	COL	COL_LightExt	Region
1_LT_EXINC700	Lighting	GRC	GRC_LightExt	Region
1_LT_EXINC700	Lighting	HLT	HLT_LightExt	Region
1_LT_EXINC700	Lighting	LDG	LDG_LightExt	Region
1_LT_EXINC700	Lighting	LGO	LGO_LightExt	Region
1_LT_EXINC700	Lighting	MSC	MSC_LightExt	Region
1_LT_EXINC700	Lighting	REF	REF_LightExt	Region
1_LT_EXINC700	Lighting	RET	RET_LightExt	Region
1_LT_EXINC700	Lighting	RST	RST_LightExt	Region
1_LT_EXINC700	Lighting	SCH	SCH_LightExt	Region
1_LT_EXINC700	Lighting	SMO	SMO_LightExt	Region
1_LT_EXINC700	Lighting	WRH	WRH_LightExt	Region
1_LT_EXMV175	Lighting	COL	COL_LightExt	Region
1_LT_EXMV175	Lighting	GRC	GRC_LightExt	Region
1_LT_EXMV175	Lighting	HLT	HLT_LightExt	Region
1_LT_EXMV175	Lighting	LDG	LDG_LightExt	Region
1_LT_EXMV175	Lighting	LGO	LGO_LightExt	Region
1_LT_EXMV175	Lighting	MSC	MSC_LightExt	Region
1_LT_EXMV175	Lighting	REF	REF_LightExt	Region
1_LT_EXMV175	Lighting	RET	RET_LightExt	Region
1_LT_EXMV175	Lighting	RST	RST_LightExt	Region
1_LT_EXMV175	Lighting	SCH	SCH_LightExt	Region
1_LT_EXMV175	Lighting	SMO	SMO_LightExt	Region
1_LT_EXMV175	Lighting	WRH	WRH_LightExt	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_LT_EXMV250	Lighting	COL	COL_LightExt	Region
1_LT_EXMV250	Lighting	GRC	GRC_LightExt	Region
1_LT_EXMV250	Lighting	HLT	HLT_LightExt	Region
1_LT_EXMV250	Lighting	LDG	LDG_LightExt	Region
1_LT_EXMV250	Lighting	LGO	LGO_LightExt	Region
1_LT_EXMV250	Lighting	MSC	MSC_LightExt	Region
1_LT_EXMV250	Lighting	REF	REF_LightExt	Region
1_LT_EXMV250	Lighting	RET	RET_LightExt	Region
1_LT_EXMV250	Lighting	RST	RST_LightExt	Region
1_LT_EXMV250	Lighting	SCH	SCH_LightExt	Region
1_LT_EXMV250	Lighting	SMO	SMO_LightExt	Region
1_LT_EXMV250	Lighting	WRH	WRH_LightExt	Region
1_LT_EXMV400	Lighting	COL	COL_LightExt	Region
1_LT_EXMV400	Lighting	GRC	GRC_LightExt	Region
1_LT_EXMV400	Lighting	HLT	HLT_LightExt	Region
1_LT_EXMV400	Lighting	LDG	LDG_LightExt	Region
1_LT_EXMV400	Lighting	LGO	LGO_LightExt	Region
1_LT_EXMV400	Lighting	MSC	MSC_LightExt	Region
1_LT_EXMV400	Lighting	REF	REF_LightExt	Region
1_LT_EXMV400	Lighting	RET	RET_LightExt	Region
1_LT_EXMV400	Lighting	RST	RST_LightExt	Region
1_LT_EXMV400	Lighting	SCH	SCH_LightExt	Region
1_LT_EXMV400	Lighting	SMO	SMO_LightExt	Region
1_LT_EXMV400	Lighting	WRH	WRH_LightExt	Region
1_LT_INC120	Lighting	COL	COL_Lights	Region
1_LT_INC120	Lighting	GRC	GRC_Lights	Region
1_LT_INC120	Lighting	HLT	HLT_Lights	Region
1_LT_INC120	Lighting	LDG	LDG_Lights	Region
1_LT_INC120	Lighting	LGO	LGO_Lights	Region
1_LT_INC120	Lighting	MSC	MSC_Lights	Region
1_LT_INC120	Lighting	REF	REF_Lights	Region
1_LT_INC120	Lighting	RET	RET_Lights	Region
1_LT_INC120	Lighting	RST	RST_Lights	Region
1_LT_INC120	Lighting	SCH	SCH_Lights	Region
1_LT_INC120	Lighting	SMO	SMO_Lights	Region
1_LT_INC120	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_LT_INC200	Lighting	COL	COL_Lights	Region
1_LT_INC200	Lighting	GRC	GRC_Lights	Region
1_LT_INC200	Lighting	HLT	HLT_Lights	Region
1_LT_INC200	Lighting	LDG	LDG_Lights	Region
1_LT_INC200	Lighting	LGO	LGO_Lights	Region
1_LT_INC200	Lighting	MSC	MSC_Lights	Region
1_LT_INC200	Lighting	REF	REF_Lights	Region
1_LT_INC200	Lighting	RET	RET_Lights	Region
1_LT_INC200	Lighting	RST	RST_Lights	Region
1_LT_INC200	Lighting	SCH	SCH_Lights	Region
1_LT_INC200	Lighting	SMO	SMO_Lights	Region
1_LT_INC200	Lighting	WRH	WRH_Lights	Region
1_LT_INC300	Lighting	COL	COL_Lights	Region
1_LT_INC300	Lighting	GRC	GRC_Lights	Region
1_LT_INC300	Lighting	HLT	HLT_Lights	Region
1_LT_INC300	Lighting	LDG	LDG_Lights	Region
1_LT_INC300	Lighting	LGO	LGO_Lights	Region
1_LT_INC300	Lighting	MSC	MSC_Lights	Region
1_LT_INC300	Lighting	REF	REF_Lights	Region
1_LT_INC300	Lighting	RET	RET_Lights	Region
1_LT_INC300	Lighting	RST	RST_Lights	Region
1_LT_INC300	Lighting	SCH	SCH_Lights	Region
1_LT_INC300	Lighting	SMO	SMO_Lights	Region
1_LT_INC300	Lighting	WRH	WRH_Lights	Region
1_LT_INC40	Lighting	COL	COL_Lights	Region
1_LT_INC40	Lighting	GRC	GRC_Lights	Region
1_LT_INC40	Lighting	HLT	HLT_Lights	Region
1_LT_INC40	Lighting	LDG	LDG_Lights	Region
1_LT_INC40	Lighting	LGO	LGO_Lights	Region
1_LT_INC40	Lighting	MSC	MSC_Lights	Region
1_LT_INC40	Lighting	REF	REF_Lights	Region
1_LT_INC40	Lighting	RET	RET_Lights	Region
1_LT_INC40	Lighting	RST	RST_Lights	Region
1_LT_INC40	Lighting	SCH	SCH_Lights	Region
1_LT_INC40	Lighting	SMO	SMO_Lights	Region
1_LT_INC40	Lighting	WRH	WRH_Lights	Region



**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_LT_INC500i	Lighting	COL	COL_Lights	Region
1_LT_INC500i	Lighting	GRC	GRC_Lights	Region
1_LT_INC500i	Lighting	HLT	HLT_Lights	Region
1_LT_INC500i	Lighting	LDG	LDG_Lights	Region
1_LT_INC500i	Lighting	LGO	LGO_Lights	Region
1_LT_INC500i	Lighting	MSC	MSC_Lights	Region
1_LT_INC500i	Lighting	REF	REF_Lights	Region
1_LT_INC500i	Lighting	RET	RET_Lights	Region
1_LT_INC500i	Lighting	RST	RST_Lights	Region
1_LT_INC500i	Lighting	SCH	SCH_Lights	Region
1_LT_INC500i	Lighting	SMO	SMO_Lights	Region
1_LT_INC500i	Lighting	WRH	WRH_Lights	Region
1_LT_INC60	Lighting	COL	COL_Lights	Region
1_LT_INC60	Lighting	GRC	GRC_Lights	Region
1_LT_INC60	Lighting	HLT	HLT_Lights	Region
1_LT_INC60	Lighting	LDG	LDG_Lights	Region
1_LT_INC60	Lighting	LGO	LGO_Lights	Region
1_LT_INC60	Lighting	MSC	MSC_Lights	Region
1_LT_INC60	Lighting	REF	REF_Lights	Region
1_LT_INC60	Lighting	RET	RET_Lights	Region
1_LT_INC60	Lighting	RST	RST_Lights	Region
1_LT_INC60	Lighting	SCH	SCH_Lights	Region
1_LT_INC60	Lighting	SMO	SMO_Lights	Region
1_LT_INC60	Lighting	WRH	WRH_Lights	Region
1_LT_INC75	Lighting	COL	COL_Lights	Region
1_LT_INC75	Lighting	GRC	GRC_Lights	Region
1_LT_INC75	Lighting	HLT	HLT_Lights	Region
1_LT_INC75	Lighting	LDG	LDG_Lights	Region
1_LT_INC75	Lighting	LGO	LGO_Lights	Region
1_LT_INC75	Lighting	MSC	MSC_Lights	Region
1_LT_INC75	Lighting	REF	REF_Lights	Region
1_LT_INC75	Lighting	RET	RET_Lights	Region
1_LT_INC75	Lighting	RST	RST_Lights	Region
1_LT_INC75	Lighting	SCH	SCH_Lights	Region
1_LT_INC75	Lighting	SMO	SMO_Lights	Region
1_LT_INC75	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_LT_INC750i	Lighting	COL	COL_Lights	Region
1_LT_INC750i	Lighting	GRC	GRC_Lights	Region
1_LT_INC750i	Lighting	HLT	HLT_Lights	Region
1_LT_INC750i	Lighting	LDG	LDG_Lights	Region
1_LT_INC750i	Lighting	LGO	LGO_Lights	Region
1_LT_INC750i	Lighting	MSC	MSC_Lights	Region
1_LT_INC750i	Lighting	REF	REF_Lights	Region
1_LT_INC750i	Lighting	RET	RET_Lights	Region
1_LT_INC750i	Lighting	RST	RST_Lights	Region
1_LT_INC750i	Lighting	SCH	SCH_Lights	Region
1_LT_INC750i	Lighting	SMO	SMO_Lights	Region
1_LT_INC750i	Lighting	WRH	WRH_Lights	Region
1_LT_IRIP60	Lighting	COL	COL_Lights	Region
1_LT_IRIP60	Lighting	GRC	GRC_Lights	Region
1_LT_IRIP60	Lighting	HLT	HLT_Lights	Region
1_LT_IRIP60	Lighting	LDG	LDG_Lights	Region
1_LT_IRIP60	Lighting	LGO	LGO_Lights	Region
1_LT_IRIP60	Lighting	MSC	MSC_Lights	Region
1_LT_IRIP60	Lighting	REF	REF_Lights	Region
1_LT_IRIP60	Lighting	RET	RET_Lights	Region
1_LT_IRIP60	Lighting	RST	RST_Lights	Region
1_LT_IRIP60	Lighting	SCH	SCH_Lights	Region
1_LT_IRIP60	Lighting	SMO	SMO_Lights	Region
1_LT_IRIP60	Lighting	WRH	WRH_Lights	Region
1_LT_MH400	Lighting	COL	COL_Lights	Region
1_LT_MH400	Lighting	GRC	GRC_Lights	Region
1_LT_MH400	Lighting	HLT	HLT_Lights	Region
1_LT_MH400	Lighting	LDG	LDG_Lights	Region
1_LT_MH400	Lighting	LGO	LGO_Lights	Region
1_LT_MH400	Lighting	MSC	MSC_Lights	Region
1_LT_MH400	Lighting	REF	REF_Lights	Region
1_LT_MH400	Lighting	RET	RET_Lights	Region
1_LT_MH400	Lighting	RST	RST_Lights	Region
1_LT_MH400	Lighting	SCH	SCH_Lights	Region
1_LT_MH400	Lighting	SMO	SMO_Lights	Region
1_LT_MH400	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_LT_MV100	Lighting	COL	COL_Lights	Region
1_LT_MV100	Lighting	GRC	GRC_Lights	Region
1_LT_MV100	Lighting	HLT	HLT_Lights	Region
1_LT_MV100	Lighting	LDG	LDG_Lights	Region
1_LT_MV100	Lighting	LGO	LGO_Lights	Region
1_LT_MV100	Lighting	MSC	MSC_Lights	Region
1_LT_MV100	Lighting	REF	REF_Lights	Region
1_LT_MV100	Lighting	RET	RET_Lights	Region
1_LT_MV100	Lighting	RST	RST_Lights	Region
1_LT_MV100	Lighting	SCH	SCH_Lights	Region
1_LT_MV100	Lighting	SMO	SMO_Lights	Region
1_LT_MV100	Lighting	WRH	WRH_Lights	Region
1_LT_MV175	Lighting	COL	COL_Lights	Region
1_LT_MV175	Lighting	GRC	GRC_Lights	Region
1_LT_MV175	Lighting	HLT	HLT_Lights	Region
1_LT_MV175	Lighting	LDG	LDG_Lights	Region
1_LT_MV175	Lighting	LGO	LGO_Lights	Region
1_LT_MV175	Lighting	MSC	MSC_Lights	Region
1_LT_MV175	Lighting	REF	REF_Lights	Region
1_LT_MV175	Lighting	RET	RET_Lights	Region
1_LT_MV175	Lighting	RST	RST_Lights	Region
1_LT_MV175	Lighting	SCH	SCH_Lights	Region
1_LT_MV175	Lighting	SMO	SMO_Lights	Region
1_LT_MV175	Lighting	WRH	WRH_Lights	Region
1_LT_MV250	Lighting	COL	COL_Lights	Region
1_LT_MV250	Lighting	GRC	GRC_Lights	Region
1_LT_MV250	Lighting	HLT	HLT_Lights	Region
1_LT_MV250	Lighting	LDG	LDG_Lights	Region
1_LT_MV250	Lighting	LGO	LGO_Lights	Region
1_LT_MV250	Lighting	MSC	MSC_Lights	Region
1_LT_MV250	Lighting	REF	REF_Lights	Region
1_LT_MV250	Lighting	RET	RET_Lights	Region
1_LT_MV250	Lighting	RST	RST_Lights	Region
1_LT_MV250	Lighting	SCH	SCH_Lights	Region
1_LT_MV250	Lighting	SMO	SMO_Lights	Region
1_LT_MV250	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_LT_MV400	Lighting	COL	COL_Lights	Region
1_LT_MV400	Lighting	GRC	GRC_Lights	Region
1_LT_MV400	Lighting	HLT	HLT_Lights	Region
1_LT_MV400	Lighting	LDG	LDG_Lights	Region
1_LT_MV400	Lighting	LGO	LGO_Lights	Region
1_LT_MV400	Lighting	MSC	MSC_Lights	Region
1_LT_MV400	Lighting	REF	REF_Lights	Region
1_LT_MV400	Lighting	RET	RET_Lights	Region
1_LT_MV400	Lighting	RST	RST_Lights	Region
1_LT_MV400	Lighting	SCH	SCH_Lights	Region
1_LT_MV400	Lighting	SMO	SMO_Lights	Region
1_LT_MV400	Lighting	WRH	WRH_Lights	Region
1_LT_PCNoCtrl	Lighting	COL	COL_LightExt	Region
1_LT_PCNoCtrl	Lighting	GRC	GRC_LightExt	Region
1_LT_PCNoCtrl	Lighting	HLT	HLT_LightExt	Region
1_LT_PCNoCtrl	Lighting	LDG	LDG_LightExt	Region
1_LT_PCNoCtrl	Lighting	LGO	LGO_LightExt	Region
1_LT_PCNoCtrl	Lighting	MSC	MSC_LightExt	Region
1_LT_PCNoCtrl	Lighting	REF	REF_LightExt	Region
1_LT_PCNoCtrl	Lighting	RET	RET_LightExt	Region
1_LT_PCNoCtrl	Lighting	RST	RST_LightExt	Region
1_LT_PCNoCtrl	Lighting	SCH	SCH_LightExt	Region
1_LT_PCNoCtrl	Lighting	SMO	SMO_LightExt	Region
1_LT_PCNoCtrl	Lighting	WRH	WRH_LightExt	Region
1_OF_SmlCopy	Misc.	COL	COL_Misc	Region
1_OF_SmlCopy	Misc.	GRC	GRC_Misc	Region
1_OF_SmlCopy	Misc.	HLT	HLT_Misc	Region
1_OF_SmlCopy	Misc.	LDG	LDG_Misc	Region
1_OF_SmlCopy	Misc.	LGO	LGO_Misc	Region
1_OF_SmlCopy	Misc.	MSC	MSC_Misc	Region
1_OF_SmlCopy	Misc.	REF	REF_Misc	Region
1_OF_SmlCopy	Misc.	RET	RET_Misc	Region
1_OF_SmlCopy	Misc.	RST	RST_Misc	Region
1_OF_SmlCopy	Misc.	SCH	SCH_Misc	Region
1_OF_SmlCopy	Misc.	SMO	SMO_Misc	Region
1_OF_SmlCopy	Misc.	WRH	WRH_Misc	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
1_REF_Conv2MPX	Refrigeration	GRC	GRC_Refrig	Region
1_REF_Conv2MPX	Refrigeration	REF	REF_Refrig	Region
1_REF_DCFanStd	Refrigeration	GRC	GRC_Refrig	Region
1_REF_DCFanStd	Refrigeration	REF	REF_Refrig	Region
1_REF_MPXStdCnd	Refrigeration	GRC	GRC_Refrig	Region
1_REF_MPXStdCnd	Refrigeration	REF	REF_Refrig	Region
1_REF_StdLTComp	Refrigeration	GRC	GRC_Refrig	Region
1_REF_StdLTComp	Refrigeration	REF	REF_Refrig	Region
1_REF_WIFanStd	Refrigeration	GRC	GRC_Refrig	Region
1_REF_WIFanStd	Refrigeration	REF	REF_Refrig	Region
2_CK_HoldCbntHE	Cooking	COL	COL_CookElec	Region
2_CK_HoldCbntHE	Cooking	GRC	GRC_CookElec	Region
2_CK_HoldCbntHE	Cooking	HLT	HLT_CookElec	Region
2_CK_HoldCbntHE	Cooking	LDG	LDG_CookElec	Region
2_CK_HoldCbntHE	Cooking	LGO	LGO_CookElec	Region
2_CK_HoldCbntHE	Cooking	MSC	MSC_CookElec	Region
2_CK_HoldCbntHE	Cooking	REF	REF_CookElec	Region
2_CK_HoldCbntHE	Cooking	RET	RET_CookElec	Region
2_CK_HoldCbntHE	Cooking	RST	RST_CookElec	Region
2_CK_HoldCbntHE	Cooking	SCH	SCH_CookElec	Region
2_CK_HoldCbntHE	Cooking	SMO	SMO_CookElec	Region
2_CK_HoldCbntHE	Cooking	WRH	WRH_CookElec	Region
2_CK_Pressureles	Cooking	COL	COL_CookElec	Region
2_CK_Pressureles	Cooking	GRC	GRC_CookElec	Region
2_CK_Pressureles	Cooking	HLT	HLT_CookElec	Region
2_CK_Pressureles	Cooking	LDG	LDG_CookElec	Region
2_CK_Pressureles	Cooking	LGO	LGO_CookElec	Region
2_CK_Pressureles	Cooking	MSC	MSC_CookElec	Region
2_CK_Pressureles	Cooking	REF	REF_CookElec	Region
2_CK_Pressureles	Cooking	RET	RET_CookElec	Region
2_CK_Pressureles	Cooking	RST	RST_CookElec	Region
2_CK_Pressureles	Cooking	SCH	SCH_CookElec	Region
2_CK_Pressureles	Cooking	SMO	SMO_CookElec	Region
2_CK_Pressureles	Cooking	WRH	WRH_CookElec	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_HV_CentChHEff	HVAC	COL	COL_Cool	Region
2_HV_CentChHEff	HVAC	GRC	GRC_Cool	Region
2_HV_CentChHEff	HVAC	HLT	HLT_Cool	Region
2_HV_CentChHEff	HVAC	LDG	LDG_Cool	Region
2_HV_CentChHEff	HVAC	LGO	LGO_Cool	Region
2_HV_CentChHEff	HVAC	MSC	MSC_Cool	Region
2_HV_CentChHEff	HVAC	REF	REF_Cool	Region
2_HV_CentChHEff	HVAC	RET	RET_Cool	Region
2_HV_CentChHEff	HVAC	RST	RST_Cool	Region
2_HV_CentChHEff	HVAC	SCH	SCH_Cool	Region
2_HV_CentChHEff	HVAC	SMO	SMO_Cool	Region
2_HV_CentChHEff	HVAC	WRH	WRH_Cool	Region
2_HV_ChilPmpVFD	HVAC	COL	COL_VFD	Region
2_HV_ChilPmpVFD	HVAC	GRC	GRC_VFD	Region
2_HV_ChilPmpVFD	HVAC	HLT	HLT_VFD	Region
2_HV_ChilPmpVFD	HVAC	LDG	LDG_VFD	Region
2_HV_ChilPmpVFD	HVAC	LGO	LGO_VFD	Region
2_HV_ChilPmpVFD	HVAC	MSC	MSC_VFD	Region
2_HV_ChilPmpVFD	HVAC	REF	REF_VFD	Region
2_HV_ChilPmpVFD	HVAC	RET	RET_VFD	Region
2_HV_ChilPmpVFD	HVAC	RST	RST_VFD	Region
2_HV_ChilPmpVFD	HVAC	SCH	SCH_VFD	Region
2_HV_ChilPmpVFD	HVAC	SMO	SMO_VFD	Region
2_HV_ChilPmpVFD	HVAC	WRH	WRH_VFD	Region
2_HV_CHTuneUp	HVAC	COL	COL_Cool	Region
2_HV_CHTuneUp	HVAC	GRC	GRC_Cool	Region
2_HV_CHTuneUp	HVAC	HLT	HLT_Cool	Region
2_HV_CHTuneUp	HVAC	LDG	LDG_Cool	Region
2_HV_CHTuneUp	HVAC	LGO	LGO_Cool	Region
2_HV_CHTuneUp	HVAC	MSC	MSC_Cool	Region
2_HV_CHTuneUp	HVAC	REF	REF_Cool	Region
2_HV_CHTuneUp	HVAC	RET	RET_Cool	Region
2_HV_CHTuneUp	HVAC	RST	RST_Cool	Region
2_HV_CHTuneUp	HVAC	SCH	SCH_Cool	Region
2_HV_CHTuneUp	HVAC	SMO	SMO_Cool	Region
2_HV_CHTuneUp	HVAC	WRH	WRH_Cool	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_HV_CoolRoof	HVAC	COL	COL_Cool	Region
2_HV_CoolRoof	HVAC	GRC	GRC_Cool	Region
2_HV_CoolRoof	HVAC	HLT	HLT_Cool	Region
2_HV_CoolRoof	HVAC	LDG	LDG_Cool	Region
2_HV_CoolRoof	HVAC	LGO	LGO_Cool	Region
2_HV_CoolRoof	HVAC	MSC	MSC_Cool	Region
2_HV_CoolRoof	HVAC	REF	REF_Cool	Region
2_HV_CoolRoof	HVAC	RET	RET_Cool	Region
2_HV_CoolRoof	HVAC	RST	RST_Cool	Region
2_HV_CoolRoof	HVAC	SCH	SCH_Cool	Region
2_HV_CoolRoof	HVAC	SMO	SMO_Cool	Region
2_HV_CoolRoof	HVAC	WRH	WRH_Cool	Region
2_HV_DXTuneUp	HVAC	COL	COL_Cool	Region
2_HV_DXTuneUp	HVAC	GRC	GRC_Cool	Region
2_HV_DXTuneUp	HVAC	HLT	HLT_Cool	Region
2_HV_DXTuneUp	HVAC	LDG	LDG_Cool	Region
2_HV_DXTuneUp	HVAC	LGO	LGO_Cool	Region
2_HV_DXTuneUp	HVAC	MSC	MSC_Cool	Region
2_HV_DXTuneUp	HVAC	REF	REF_Cool	Region
2_HV_DXTuneUp	HVAC	RET	RET_Cool	Region
2_HV_DXTuneUp	HVAC	RST	RST_Cool	Region
2_HV_DXTuneUp	HVAC	SCH	SCH_Cool	Region
2_HV_DXTuneUp	HVAC	SMO	SMO_Cool	Region
2_HV_DXTuneUp	HVAC	WRH	WRH_Cool	Region
2_HV_PACge6513	HVAC	COL	COL_Cool	Region
2_HV_PACge6513	HVAC	GRC	GRC_Cool	Region
2_HV_PACge6513	HVAC	HLT	HLT_Cool	Region
2_HV_PACge6513	HVAC	LDG	LDG_Cool	Region
2_HV_PACge6513	HVAC	LGO	LGO_Cool	Region
2_HV_PACge6513	HVAC	MSC	MSC_Cool	Region
2_HV_PACge6513	HVAC	REF	REF_Cool	Region
2_HV_PACge6513	HVAC	RET	RET_Cool	Region
2_HV_PACge6513	HVAC	RST	RST_Cool	Region
2_HV_PACge6513	HVAC	SCH	SCH_Cool	Region
2_HV_PACge6513	HVAC	SMO	SMO_Cool	Region
2_HV_PACge6513	HVAC	WRH	WRH_Cool	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_HV_PAClt6513	HVAC	COL	COL_Cool	Region
2_HV_PAClt6513	HVAC	GRC	GRC_Cool	Region
2_HV_PAClt6513	HVAC	HLT	HLT_Cool	Region
2_HV_PAClt6513	HVAC	LDG	LDG_Cool	Region
2_HV_PAClt6513	HVAC	LGO	LGO_Cool	Region
2_HV_PAClt6513	HVAC	MSC	MSC_Cool	Region
2_HV_PAClt6513	HVAC	REF	REF_Cool	Region
2_HV_PAClt6513	HVAC	RET	RET_Cool	Region
2_HV_PAClt6513	HVAC	RST	RST_Cool	Region
2_HV_PAClt6513	HVAC	SCH	SCH_Cool	Region
2_HV_PAClt6513	HVAC	SMO	SMO_Cool	Region
2_HV_PAClt6513	HVAC	WRH	WRH_Cool	Region
2_HV_PTUge24HE	HVAC	COL	COL_Cool	Region
2_HV_PTUge24HE	HVAC	GRC	GRC_Cool	Region
2_HV_PTUge24HE	HVAC	HLT	HLT_Cool	Region
2_HV_PTUge24HE	HVAC	LDG	LDG_Cool	Region
2_HV_PTUge24HE	HVAC	LGO	LGO_Cool	Region
2_HV_PTUge24HE	HVAC	MSC	MSC_Cool	Region
2_HV_PTUge24HE	HVAC	REF	REF_Cool	Region
2_HV_PTUge24HE	HVAC	RET	RET_Cool	Region
2_HV_PTUge24HE	HVAC	RST	RST_Cool	Region
2_HV_PTUge24HE	HVAC	SCH	SCH_Cool	Region
2_HV_PTUge24HE	HVAC	SMO	SMO_Cool	Region
2_HV_PTUge24HE	HVAC	WRH	WRH_Cool	Region
2_HV_PTUlt24HE	HVAC	COL	COL_Cool	Region
2_HV_PTUlt24HE	HVAC	GRC	GRC_Cool	Region
2_HV_PTUlt24HE	HVAC	HLT	HLT_Cool	Region
2_HV_PTUlt24HE	HVAC	LDG	LDG_Cool	Region
2_HV_PTUlt24HE	HVAC	LGO	LGO_Cool	Region
2_HV_PTUlt24HE	HVAC	MSC	MSC_Cool	Region
2_HV_PTUlt24HE	HVAC	REF	REF_Cool	Region
2_HV_PTUlt24HE	HVAC	RET	RET_Cool	Region
2_HV_PTUlt24HE	HVAC	RST	RST_Cool	Region
2_HV_PTUlt24HE	HVAC	SCH	SCH_Cool	Region
2_HV_PTUlt24HE	HVAC	SMO	SMO_Cool	Region
2_HV_PTUlt24HE	HVAC	WRH	WRH_Cool	Region



**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_HV_RecChHEff	HVAC	COL	COL_Cool	Region
2_HV_RecChHEff	HVAC	GRC	GRC_Cool	Region
2_HV_RecChHEff	HVAC	HLT	HLT_Cool	Region
2_HV_RecChHEff	HVAC	LDG	LDG_Cool	Region
2_HV_RecChHEff	HVAC	LGO	LGO_Cool	Region
2_HV_RecChHEff	HVAC	MSC	MSC_Cool	Region
2_HV_RecChHEff	HVAC	REF	REF_Cool	Region
2_HV_RecChHEff	HVAC	RET	RET_Cool	Region
2_HV_RecChHEff	HVAC	RST	RST_Cool	Region
2_HV_RecChHEff	HVAC	SCH	SCH_Cool	Region
2_HV_RecChHEff	HVAC	SMO	SMO_Cool	Region
2_HV_RecChHEff	HVAC	WRH	WRH_Cool	Region
2_HV_RflSngPane	HVAC	COL	COL_Cool	Region
2_HV_RflSngPane	HVAC	GRC	GRC_Cool	Region
2_HV_RflSngPane	HVAC	HLT	HLT_Cool	Region
2_HV_RflSngPane	HVAC	LDG	LDG_Cool	Region
2_HV_RflSngPane	HVAC	LGO	LGO_Cool	Region
2_HV_RflSngPane	HVAC	MSC	MSC_Cool	Region
2_HV_RflSngPane	HVAC	REF	REF_Cool	Region
2_HV_RflSngPane	HVAC	RET	RET_Cool	Region
2_HV_RflSngPane	HVAC	RST	RST_Cool	Region
2_HV_RflSngPane	HVAC	SCH	SCH_Cool	Region
2_HV_RflSngPane	HVAC	SMO	SMO_Cool	Region
2_HV_RflSngPane	HVAC	WRH	WRH_Cool	Region
2_HV_TCtIszE	HVAC	COL	COL_TSTAT	Statewide
2_HV_TCtIszE	HVAC	GRC	GRC_TSTAT	Statewide
2_HV_TCtIszE	HVAC	HLT	HLT_TSTAT	Statewide
2_HV_TCtIszE	HVAC	LDG	LDG_TSTAT	Statewide
2_HV_TCtIszE	HVAC	LGO	LGO_TSTAT	Statewide
2_HV_TCtIszE	HVAC	MSC	MSC_TSTAT	Statewide
2_HV_TCtIszE	HVAC	REF	REF_TSTAT	Statewide
2_HV_TCtIszE	HVAC	RET	RET_TSTAT	Statewide
2_HV_TCtIszE	HVAC	RST	RST_TSTAT	Statewide
2_HV_TCtIszE	HVAC	SCH	SCH_TSTAT	Statewide
2_HV_TCtIszE	HVAC	SMO	SMO_TSTAT	Statewide
2_HV_TCtIszE	HVAC	WRH	WRH_TSTAT	Statewide

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_HV_TCtIszG	HVAC	COL	COL_TSTAT	Statewide
2_HV_TCtIszG	HVAC	GRC	GRC_TSTAT	Statewide
2_HV_TCtIszG	HVAC	HLT	HLT_TSTAT	Statewide
2_HV_TCtIszG	HVAC	LDG	LDG_TSTAT	Statewide
2_HV_TCtIszG	HVAC	LGO	LGO_TSTAT	Statewide
2_HV_TCtIszG	HVAC	MSC	MSC_TSTAT	Statewide
2_HV_TCtIszG	HVAC	REF	REF_TSTAT	Statewide
2_HV_TCtIszG	HVAC	RET	RET_TSTAT	Statewide
2_HV_TCtIszG	HVAC	RST	RST_TSTAT	Statewide
2_HV_TCtIszG	HVAC	SCH	SCH_TSTAT	Statewide
2_HV_TCtIszG	HVAC	SMO	SMO_TSTAT	Statewide
2_HV_TCtIszG	HVAC	WRH	WRH_TSTAT	Statewide
2_HV_VAV	HVAC	COL	COL_VAV	Region
2_HV_VAV	HVAC	GRC	GRC_VAV	Region
2_HV_VAV	HVAC	HLT	HLT_VAV	Region
2_HV_VAV	HVAC	LDG	LDG_VAV	Region
2_HV_VAV	HVAC	LGO	LGO_VAV	Region
2_HV_VAV	HVAC	MSC	MSC_VAV	Region
2_HV_VAV	HVAC	REF	REF_VAV	Region
2_HV_VAV	HVAC	RET	RET_VAV	Region
2_HV_VAV	HVAC	RST	RST_VAV	Region
2_HV_VAV	HVAC	SCH	SCH_VAV	Region
2_HV_VAV	HVAC	SMO	SMO_VAV	Region
2_HV_VAV	HVAC	WRH	WRH_VAV	Region
2_LT_4T8_5	Lighting	COL	COL_Lights	Region
2_LT_4T8_5	Lighting	GRC	GRC_Lights	Region
2_LT_4T8_5	Lighting	HLT	HLT_Lights	Region
2_LT_4T8_5	Lighting	LDG	LDG_Lights	Region
2_LT_4T8_5	Lighting	LGO	LGO_Lights	Region
2_LT_4T8_5	Lighting	MSC	MSC_Lights	Region
2_LT_4T8_5	Lighting	REF	REF_Lights	Region
2_LT_4T8_5	Lighting	RET	RET_Lights	Region
2_LT_4T8_5	Lighting	RST	RST_Lights	Region
2_LT_4T8_5	Lighting	SCH	SCH_Lights	Region
2_LT_4T8_5	Lighting	SMO	SMO_Lights	Region
2_LT_4T8_5	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_LT_8T82ndG	Lighting	COL	COL_Lights	Region
2_LT_8T82ndG	Lighting	GRC	GRC_Lights	Region
2_LT_8T82ndG	Lighting	HLT	HLT_Lights	Region
2_LT_8T82ndG	Lighting	LDG	LDG_Lights	Region
2_LT_8T82ndG	Lighting	LGO	LGO_Lights	Region
2_LT_8T82ndG	Lighting	MSC	MSC_Lights	Region
2_LT_8T82ndG	Lighting	REF	REF_Lights	Region
2_LT_8T82ndG	Lighting	RET	RET_Lights	Region
2_LT_8T82ndG	Lighting	RST	RST_Lights	Region
2_LT_8T82ndG	Lighting	SCH	SCH_Lights	Region
2_LT_8T82ndG	Lighting	SMO	SMO_Lights	Region
2_LT_8T82ndG	Lighting	WRH	WRH_Lights	Region
2_LT_CFL10_5s	Lighting	COL	COL_Lights	Region
2_LT_CFL10_5s	Lighting	GRC	GRC_Lights	Region
2_LT_CFL10_5s	Lighting	HLT	HLT_Lights	Region
2_LT_CFL10_5s	Lighting	LDG	LDG_Lights	Region
2_LT_CFL10_5s	Lighting	LGO	LGO_Lights	Region
2_LT_CFL10_5s	Lighting	MSC	MSC_Lights	Region
2_LT_CFL10_5s	Lighting	REF	REF_Lights	Region
2_LT_CFL10_5s	Lighting	RET	RET_Lights	Region
2_LT_CFL10_5s	Lighting	RST	RST_Lights	Region
2_LT_CFL10_5s	Lighting	SCH	SCH_Lights	Region
2_LT_CFL10_5s	Lighting	SMO	SMO_Lights	Region
2_LT_CFL10_5s	Lighting	WRH	WRH_Lights	Region
2_LT_CFL15s	Lighting	COL	COL_Lights	Region
2_LT_CFL15s	Lighting	GRC	GRC_Lights	Region
2_LT_CFL15s	Lighting	HLT	HLT_Lights	Region
2_LT_CFL15s	Lighting	LDG	LDG_Lights	Region
2_LT_CFL15s	Lighting	LGO	LGO_Lights	Region
2_LT_CFL15s	Lighting	MSC	MSC_Lights	Region
2_LT_CFL15s	Lighting	REF	REF_Lights	Region
2_LT_CFL15s	Lighting	RET	RET_Lights	Region
2_LT_CFL15s	Lighting	RST	RST_Lights	Region
2_LT_CFL15s	Lighting	SCH	SCH_Lights	Region
2_LT_CFL15s	Lighting	SMO	SMO_Lights	Region
2_LT_CFL15s	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_LT_CFL20s	Lighting	COL	COL_Lights	Region
2_LT_CFL20s	Lighting	GRC	GRC_Lights	Region
2_LT_CFL20s	Lighting	HLT	HLT_Lights	Region
2_LT_CFL20s	Lighting	LDG	LDG_Lights	Region
2_LT_CFL20s	Lighting	LGO	LGO_Lights	Region
2_LT_CFL20s	Lighting	MSC	MSC_Lights	Region
2_LT_CFL20s	Lighting	REF	REF_Lights	Region
2_LT_CFL20s	Lighting	RET	RET_Lights	Region
2_LT_CFL20s	Lighting	RST	RST_Lights	Region
2_LT_CFL20s	Lighting	SCH	SCH_Lights	Region
2_LT_CFL20s	Lighting	SMO	SMO_Lights	Region
2_LT_CFL20s	Lighting	WRH	WRH_Lights	Region
2_LT_CFL38s	Lighting	COL	COL_Lights	Region
2_LT_CFL38s	Lighting	GRC	GRC_Lights	Region
2_LT_CFL38s	Lighting	HLT	HLT_Lights	Region
2_LT_CFL38s	Lighting	LDG	LDG_Lights	Region
2_LT_CFL38s	Lighting	LGO	LGO_Lights	Region
2_LT_CFL38s	Lighting	MSC	MSC_Lights	Region
2_LT_CFL38s	Lighting	REF	REF_Lights	Region
2_LT_CFL38s	Lighting	RET	RET_Lights	Region
2_LT_CFL38s	Lighting	RST	RST_Lights	Region
2_LT_CFL38s	Lighting	SCH	SCH_Lights	Region
2_LT_CFL38s	Lighting	SMO	SMO_Lights	Region
2_LT_CFL38s	Lighting	WRH	WRH_Lights	Region
2_LT_CRCPI4s	Lighting	COL	COL_Lights	Region
2_LT_CRCPI4s	Lighting	GRC	GRC_Lights	Region
2_LT_CRCPI4s	Lighting	HLT	HLT_Lights	Region
2_LT_CRCPI4s	Lighting	LDG	LDG_Lights	Region
2_LT_CRCPI4s	Lighting	LGO	LGO_Lights	Region
2_LT_CRCPI4s	Lighting	MSC	MSC_Lights	Region
2_LT_CRCPI4s	Lighting	REF	REF_Lights	Region
2_LT_CRCPI4s	Lighting	RET	RET_Lights	Region
2_LT_CRCPI4s	Lighting	RST	RST_Lights	Region
2_LT_CRCPI4s	Lighting	SCH	SCH_Lights	Region
2_LT_CRCPI4s	Lighting	SMO	SMO_Lights	Region
2_LT_CRCPI4s	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_LT_DLInst	Lighting	COL	COL_Lights	Region
2_LT_DLInst	Lighting	GRC	GRC_Lights	Region
2_LT_DLInst	Lighting	HLT	HLT_Lights	Region
2_LT_DLInst	Lighting	LDG	LDG_Lights	Region
2_LT_DLInst	Lighting	LGO	LGO_Lights	Region
2_LT_DLInst	Lighting	MSC	MSC_Lights	Region
2_LT_DLInst	Lighting	REF	REF_Lights	Region
2_LT_DLInst	Lighting	RET	RET_Lights	Region
2_LT_DLInst	Lighting	RST	RST_Lights	Region
2_LT_DLInst	Lighting	SCH	SCH_Lights	Region
2_LT_DLInst	Lighting	SMO	SMO_Lights	Region
2_LT_DLInst	Lighting	WRH	WRH_Lights	Region
2_LT_EXLED	Lighting	COL	COL_Lights	Region
2_LT_EXLED	Lighting	GRC	GRC_Lights	Region
2_LT_EXLED	Lighting	HLT	HLT_Lights	Region
2_LT_EXLED	Lighting	LDG	LDG_Lights	Region
2_LT_EXLED	Lighting	LGO	LGO_Lights	Region
2_LT_EXLED	Lighting	MSC	MSC_Lights	Region
2_LT_EXLED	Lighting	REF	REF_Lights	Region
2_LT_EXLED	Lighting	RET	RET_Lights	Region
2_LT_EXLED	Lighting	RST	RST_Lights	Region
2_LT_EXLED	Lighting	SCH	SCH_Lights	Region
2_LT_EXLED	Lighting	SMO	SMO_Lights	Region
2_LT_EXLED	Lighting	WRH	WRH_Lights	Region
2_LT_EXMH100i	Lighting	COL	COL_LightExt	Region
2_LT_EXMH100i	Lighting	GRC	GRC_LightExt	Region
2_LT_EXMH100i	Lighting	HLT	HLT_LightExt	Region
2_LT_EXMH100i	Lighting	LDG	LDG_LightExt	Region
2_LT_EXMH100i	Lighting	LGO	LGO_LightExt	Region
2_LT_EXMH100i	Lighting	MSC	MSC_LightExt	Region
2_LT_EXMH100i	Lighting	REF	REF_LightExt	Region
2_LT_EXMH100i	Lighting	RET	RET_LightExt	Region
2_LT_EXMH100i	Lighting	RST	RST_LightExt	Region
2_LT_EXMH100i	Lighting	SCH	SCH_LightExt	Region
2_LT_EXMH100i	Lighting	SMO	SMO_LightExt	Region
2_LT_EXMH100i	Lighting	WRH	WRH_LightExt	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_LT_EXMH100mv	Lighting	COL	COL_LightExt	Region
2_LT_EXMH100mv	Lighting	GRC	GRC_LightExt	Region
2_LT_EXMH100mv	Lighting	HLT	HLT_LightExt	Region
2_LT_EXMH100mv	Lighting	LDG	LDG_LightExt	Region
2_LT_EXMH100mv	Lighting	LGO	LGO_LightExt	Region
2_LT_EXMH100mv	Lighting	MSC	MSC_LightExt	Region
2_LT_EXMH100mv	Lighting	REF	REF_LightExt	Region
2_LT_EXMH100mv	Lighting	RET	RET_LightExt	Region
2_LT_EXMH100mv	Lighting	RST	RST_LightExt	Region
2_LT_EXMH100mv	Lighting	SCH	SCH_LightExt	Region
2_LT_EXMH100mv	Lighting	SMO	SMO_LightExt	Region
2_LT_EXMH100mv	Lighting	WRH	WRH_LightExt	Region
2_LT_EXPS175i	Lighting	COL	COL_LightExt	Region
2_LT_EXPS175i	Lighting	GRC	GRC_LightExt	Region
2_LT_EXPS175i	Lighting	HLT	HLT_LightExt	Region
2_LT_EXPS175i	Lighting	LDG	LDG_LightExt	Region
2_LT_EXPS175i	Lighting	LGO	LGO_LightExt	Region
2_LT_EXPS175i	Lighting	MSC	MSC_LightExt	Region
2_LT_EXPS175i	Lighting	REF	REF_LightExt	Region
2_LT_EXPS175i	Lighting	RET	RET_LightExt	Region
2_LT_EXPS175i	Lighting	RST	RST_LightExt	Region
2_LT_EXPS175i	Lighting	SCH	SCH_LightExt	Region
2_LT_EXPS175i	Lighting	SMO	SMO_LightExt	Region
2_LT_EXPS175i	Lighting	WRH	WRH_LightExt	Region
2_LT_EXPS175mv	Lighting	COL	COL_LightExt	Region
2_LT_EXPS175mv	Lighting	GRC	GRC_LightExt	Region
2_LT_EXPS175mv	Lighting	HLT	HLT_LightExt	Region
2_LT_EXPS175mv	Lighting	LDG	LDG_LightExt	Region
2_LT_EXPS175mv	Lighting	LGO	LGO_LightExt	Region
2_LT_EXPS175mv	Lighting	MSC	MSC_LightExt	Region
2_LT_EXPS175mv	Lighting	REF	REF_LightExt	Region
2_LT_EXPS175mv	Lighting	RET	RET_LightExt	Region
2_LT_EXPS175mv	Lighting	RST	RST_LightExt	Region
2_LT_EXPS175mv	Lighting	SCH	SCH_LightExt	Region
2_LT_EXPS175mv	Lighting	SMO	SMO_LightExt	Region
2_LT_EXPS175mv	Lighting	WRH	WRH_LightExt	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_LT_EXPS250i	Lighting	COL	COL_LightExt	Region
2_LT_EXPS250i	Lighting	GRC	GRC_LightExt	Region
2_LT_EXPS250i	Lighting	HLT	HLT_LightExt	Region
2_LT_EXPS250i	Lighting	LDG	LDG_LightExt	Region
2_LT_EXPS250i	Lighting	LGO	LGO_LightExt	Region
2_LT_EXPS250i	Lighting	MSC	MSC_LightExt	Region
2_LT_EXPS250i	Lighting	REF	REF_LightExt	Region
2_LT_EXPS250i	Lighting	RET	RET_LightExt	Region
2_LT_EXPS250i	Lighting	RST	RST_LightExt	Region
2_LT_EXPS250i	Lighting	SCH	SCH_LightExt	Region
2_LT_EXPS250i	Lighting	SMO	SMO_LightExt	Region
2_LT_EXPS250i	Lighting	WRH	WRH_LightExt	Region
2_LT_EXPS250mv	Lighting	COL	COL_LightExt	Region
2_LT_EXPS250mv	Lighting	GRC	GRC_LightExt	Region
2_LT_EXPS250mv	Lighting	HLT	HLT_LightExt	Region
2_LT_EXPS250mv	Lighting	LDG	LDG_LightExt	Region
2_LT_EXPS250mv	Lighting	LGO	LGO_LightExt	Region
2_LT_EXPS250mv	Lighting	MSC	MSC_LightExt	Region
2_LT_EXPS250mv	Lighting	REF	REF_LightExt	Region
2_LT_EXPS250mv	Lighting	RET	RET_LightExt	Region
2_LT_EXPS250mv	Lighting	RST	RST_LightExt	Region
2_LT_EXPS250mv	Lighting	SCH	SCH_LightExt	Region
2_LT_EXPS250mv	Lighting	SMO	SMO_LightExt	Region
2_LT_EXPS250mv	Lighting	WRH	WRH_LightExt	Region
2_LT_MH100i	Lighting	COL	COL_Lights	Region
2_LT_MH100i	Lighting	GRC	GRC_Lights	Region
2_LT_MH100i	Lighting	HLT	HLT_Lights	Region
2_LT_MH100i	Lighting	LDG	LDG_Lights	Region
2_LT_MH100i	Lighting	LGO	LGO_Lights	Region
2_LT_MH100i	Lighting	MSC	MSC_Lights	Region
2_LT_MH100i	Lighting	REF	REF_Lights	Region
2_LT_MH100i	Lighting	RET	RET_Lights	Region
2_LT_MH100i	Lighting	RST	RST_Lights	Region
2_LT_MH100i	Lighting	SCH	SCH_Lights	Region
2_LT_MH100i	Lighting	SMO	SMO_Lights	Region
2_LT_MH100i	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_LT_MH100mv	Lighting	COL	COL_Lights	Region
2_LT_MH100mv	Lighting	GRC	GRC_Lights	Region
2_LT_MH100mv	Lighting	HLT	HLT_Lights	Region
2_LT_MH100mv	Lighting	LDG	LDG_Lights	Region
2_LT_MH100mv	Lighting	LGO	LGO_Lights	Region
2_LT_MH100mv	Lighting	MSC	MSC_Lights	Region
2_LT_MH100mv	Lighting	REF	REF_Lights	Region
2_LT_MH100mv	Lighting	RET	RET_Lights	Region
2_LT_MH100mv	Lighting	RST	RST_Lights	Region
2_LT_MH100mv	Lighting	SCH	SCH_Lights	Region
2_LT_MH100mv	Lighting	SMO	SMO_Lights	Region
2_LT_MH100mv	Lighting	WRH	WRH_Lights	Region
2_LT_MH175i	Lighting	COL	COL_Lights	Region
2_LT_MH175i	Lighting	GRC	GRC_Lights	Region
2_LT_MH175i	Lighting	HLT	HLT_Lights	Region
2_LT_MH175i	Lighting	LDG	LDG_Lights	Region
2_LT_MH175i	Lighting	LGO	LGO_Lights	Region
2_LT_MH175i	Lighting	MSC	MSC_Lights	Region
2_LT_MH175i	Lighting	REF	REF_Lights	Region
2_LT_MH175i	Lighting	RET	RET_Lights	Region
2_LT_MH175i	Lighting	RST	RST_Lights	Region
2_LT_MH175i	Lighting	SCH	SCH_Lights	Region
2_LT_MH175i	Lighting	SMO	SMO_Lights	Region
2_LT_MH175i	Lighting	WRH	WRH_Lights	Region
2_LT_MH175mv	Lighting	COL	COL_Lights	Region
2_LT_MH175mv	Lighting	GRC	GRC_Lights	Region
2_LT_MH175mv	Lighting	HLT	HLT_Lights	Region
2_LT_MH175mv	Lighting	LDG	LDG_Lights	Region
2_LT_MH175mv	Lighting	LGO	LGO_Lights	Region
2_LT_MH175mv	Lighting	MSC	MSC_Lights	Region
2_LT_MH175mv	Lighting	REF	REF_Lights	Region
2_LT_MH175mv	Lighting	RET	RET_Lights	Region
2_LT_MH175mv	Lighting	RST	RST_Lights	Region
2_LT_MH175mv	Lighting	SCH	SCH_Lights	Region
2_LT_MH175mv	Lighting	SMO	SMO_Lights	Region
2_LT_MH175mv	Lighting	WRH	WRH_Lights	Region



**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_LT_MH250i	Lighting	COL	COL_Lights	Region
2_LT_MH250i	Lighting	GRC	GRC_Lights	Region
2_LT_MH250i	Lighting	HLT	HLT_Lights	Region
2_LT_MH250i	Lighting	LDG	LDG_Lights	Region
2_LT_MH250i	Lighting	LGO	LGO_Lights	Region
2_LT_MH250i	Lighting	MSC	MSC_Lights	Region
2_LT_MH250i	Lighting	REF	REF_Lights	Region
2_LT_MH250i	Lighting	RET	RET_Lights	Region
2_LT_MH250i	Lighting	RST	RST_Lights	Region
2_LT_MH250i	Lighting	SCH	SCH_Lights	Region
2_LT_MH250i	Lighting	SMO	SMO_Lights	Region
2_LT_MH250i	Lighting	WRH	WRH_Lights	Region
2_LT_MH250mv	Lighting	COL	COL_Lights	Region
2_LT_MH250mv	Lighting	GRC	GRC_Lights	Region
2_LT_MH250mv	Lighting	HLT	HLT_Lights	Region
2_LT_MH250mv	Lighting	LDG	LDG_Lights	Region
2_LT_MH250mv	Lighting	LGO	LGO_Lights	Region
2_LT_MH250mv	Lighting	MSC	MSC_Lights	Region
2_LT_MH250mv	Lighting	REF	REF_Lights	Region
2_LT_MH250mv	Lighting	RET	RET_Lights	Region
2_LT_MH250mv	Lighting	RST	RST_Lights	Region
2_LT_MH250mv	Lighting	SCH	SCH_Lights	Region
2_LT_MH250mv	Lighting	SMO	SMO_Lights	Region
2_LT_MH250mv	Lighting	WRH	WRH_Lights	Region
2_LT_MH70i	Lighting	COL	COL_Lights	Region
2_LT_MH70i	Lighting	GRC	GRC_Lights	Region
2_LT_MH70i	Lighting	HLT	HLT_Lights	Region
2_LT_MH70i	Lighting	LDG	LDG_Lights	Region
2_LT_MH70i	Lighting	LGO	LGO_Lights	Region
2_LT_MH70i	Lighting	MSC	MSC_Lights	Region
2_LT_MH70i	Lighting	REF	REF_Lights	Region
2_LT_MH70i	Lighting	RET	RET_Lights	Region
2_LT_MH70i	Lighting	RST	RST_Lights	Region
2_LT_MH70i	Lighting	SCH	SCH_Lights	Region
2_LT_MH70i	Lighting	SMO	SMO_Lights	Region
2_LT_MH70i	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_LT_MH70mv	Lighting	COL	COL_Lights	Region
2_LT_MH70mv	Lighting	GRC	GRC_Lights	Region
2_LT_MH70mv	Lighting	HLT	HLT_Lights	Region
2_LT_MH70mv	Lighting	LDG	LDG_Lights	Region
2_LT_MH70mv	Lighting	LGO	LGO_Lights	Region
2_LT_MH70mv	Lighting	MSC	MSC_Lights	Region
2_LT_MH70mv	Lighting	REF	REF_Lights	Region
2_LT_MH70mv	Lighting	RET	RET_Lights	Region
2_LT_MH70mv	Lighting	RST	RST_Lights	Region
2_LT_MH70mv	Lighting	SCH	SCH_Lights	Region
2_LT_MH70mv	Lighting	SMO	SMO_Lights	Region
2_LT_MH70mv	Lighting	WRH	WRH_Lights	Region
2_LT_OCCMS	Lighting	COL	COL_Lights	Region
2_LT_OCCMS	Lighting	GRC	GRC_Lights	Region
2_LT_OCCMS	Lighting	HLT	HLT_Lights	Region
2_LT_OCCMS	Lighting	LDG	LDG_Lights	Region
2_LT_OCCMS	Lighting	LGO	LGO_Lights	Region
2_LT_OCCMS	Lighting	MSC	MSC_Lights	Region
2_LT_OCCMS	Lighting	REF	REF_Lights	Region
2_LT_OCCMS	Lighting	RET	RET_Lights	Region
2_LT_OCCMS	Lighting	RST	RST_Lights	Region
2_LT_OCCMS	Lighting	SCH	SCH_Lights	Region
2_LT_OCCMS	Lighting	SMO	SMO_Lights	Region
2_LT_OCCMS	Lighting	WRH	WRH_Lights	Region
2_LT_OCCPCDInst	Lighting	COL	COL_Lights	Region
2_LT_OCCPCDInst	Lighting	GRC	GRC_Lights	Region
2_LT_OCCPCDInst	Lighting	HLT	HLT_Lights	Region
2_LT_OCCPCDInst	Lighting	LDG	LDG_Lights	Region
2_LT_OCCPCDInst	Lighting	LGO	LGO_Lights	Region
2_LT_OCCPCDInst	Lighting	MSC	MSC_Lights	Region
2_LT_OCCPCDInst	Lighting	REF	REF_Lights	Region
2_LT_OCCPCDInst	Lighting	RET	RET_Lights	Region
2_LT_OCCPCDInst	Lighting	RST	RST_Lights	Region
2_LT_OCCPCDInst	Lighting	SCH	SCH_Lights	Region
2_LT_OCCPCDInst	Lighting	SMO	SMO_Lights	Region
2_LT_OCCPCDInst	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_LT_PCPC	Lighting	COL	COL_LightExt	Region
2_LT_PCPC	Lighting	GRC	GRC_LightExt	Region
2_LT_PCPC	Lighting	HLT	HLT_LightExt	Region
2_LT_PCPC	Lighting	LDG	LDG_LightExt	Region
2_LT_PCPC	Lighting	LGO	LGO_LightExt	Region
2_LT_PCPC	Lighting	MSC	MSC_LightExt	Region
2_LT_PCPC	Lighting	REF	REF_LightExt	Region
2_LT_PCPC	Lighting	RET	RET_LightExt	Region
2_LT_PCPC	Lighting	RST	RST_LightExt	Region
2_LT_PCPC	Lighting	SCH	SCH_LightExt	Region
2_LT_PCPC	Lighting	SMO	SMO_LightExt	Region
2_LT_PCPC	Lighting	WRH	WRH_LightExt	Region
2_LT_PS320	Lighting	COL	COL_Lights	Region
2_LT_PS320	Lighting	GRC	GRC_Lights	Region
2_LT_PS320	Lighting	HLT	HLT_Lights	Region
2_LT_PS320	Lighting	LDG	LDG_Lights	Region
2_LT_PS320	Lighting	LGO	LGO_Lights	Region
2_LT_PS320	Lighting	MSC	MSC_Lights	Region
2_LT_PS320	Lighting	REF	REF_Lights	Region
2_LT_PS320	Lighting	RET	RET_Lights	Region
2_LT_PS320	Lighting	RST	RST_Lights	Region
2_LT_PS320	Lighting	SCH	SCH_Lights	Region
2_LT_PS320	Lighting	SMO	SMO_Lights	Region
2_LT_PS320	Lighting	WRH	WRH_Lights	Region
2_LT_RFLCSpec4	Lighting	COL	COL_Lights	Region
2_LT_RFLCSpec4	Lighting	GRC	GRC_Lights	Region
2_LT_RFLCSpec4	Lighting	HLT	HLT_Lights	Region
2_LT_RFLCSpec4	Lighting	LDG	LDG_Lights	Region
2_LT_RFLCSpec4	Lighting	LGO	LGO_Lights	Region
2_LT_RFLCSpec4	Lighting	MSC	MSC_Lights	Region
2_LT_RFLCSpec4	Lighting	REF	REF_Lights	Region
2_LT_RFLCSpec4	Lighting	RET	RET_Lights	Region
2_LT_RFLCSpec4	Lighting	RST	RST_Lights	Region
2_LT_RFLCSpec4	Lighting	SCH	SCH_Lights	Region
2_LT_RFLCSpec4	Lighting	SMO	SMO_Lights	Region
2_LT_RFLCSpec4	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_LT_RFLCSpec8	Lighting	COL	COL_Lights	Region
2_LT_RFLCSpec8	Lighting	GRC	GRC_Lights	Region
2_LT_RFLCSpec8	Lighting	HLT	HLT_Lights	Region
2_LT_RFLCSpec8	Lighting	LDG	LDG_Lights	Region
2_LT_RFLCSpec8	Lighting	LGO	LGO_Lights	Region
2_LT_RFLCSpec8	Lighting	MSC	MSC_Lights	Region
2_LT_RFLCSpec8	Lighting	REF	REF_Lights	Region
2_LT_RFLCSpec8	Lighting	RET	RET_Lights	Region
2_LT_RFLCSpec8	Lighting	RST	RST_Lights	Region
2_LT_RFLCSpec8	Lighting	SCH	SCH_Lights	Region
2_LT_RFLCSpec8	Lighting	SMO	SMO_Lights	Region
2_LT_RFLCSpec8	Lighting	WRH	WRH_Lights	Region
2_OF_SmlCopyES	Misc.	COL	COL_Misc	Region
2_OF_SmlCopyES	Misc.	GRC	GRC_Misc	Region
2_OF_SmlCopyES	Misc.	HLT	HLT_Misc	Region
2_OF_SmlCopyES	Misc.	LDG	LDG_Misc	Region
2_OF_SmlCopyES	Misc.	LGO	LGO_Misc	Region
2_OF_SmlCopyES	Misc.	MSC	MSC_Misc	Region
2_OF_SmlCopyES	Misc.	REF	REF_Misc	Region
2_OF_SmlCopyES	Misc.	RET	RET_Misc	Region
2_OF_SmlCopyES	Misc.	RST	RST_Misc	Region
2_OF_SmlCopyES	Misc.	SCH	SCH_Misc	Region
2_OF_SmlCopyES	Misc.	SMO	SMO_Misc	Region
2_OF_SmlCopyES	Misc.	WRH	WRH_Misc	Region
2_REF_ASHCtrl	Refrigeration	GRC	GRC_Refrig	Region
2_REF_ASHCtrl	Refrigeration	REF	REF_Refrig	Region
2_REF_DCFanPSC	Refrigeration	GRC	GRC_Refrig	Region
2_REF_DCFanPSC	Refrigeration	REF	REF_Refrig	Region
2_REF_GlDrLowHE	Refrigeration	GRC	GRC_Refrig	Region
2_REF_GlDrLowHE	Refrigeration	REF	REF_Refrig	Region
2_REF_GlDrMedHE	Refrigeration	GRC	GRC_Refrig	Region
2_REF_GlDrMedHE	Refrigeration	REF	REF_Refrig	Region
2_REF_HELTComp	Refrigeration	GRC	GRC_Refrig	Region
2_REF_HELTComp	Refrigeration	REF	REF_Refrig	Region
2_REF_HEMPX	Refrigeration	GRC	GRC_Refrig	Region
2_REF_HEMPX	Refrigeration	REF	REF_Refrig	Region
2_REF_MPXFHP	Refrigeration	GRC	GRC_Refrig	Region
2_REF_MPXFHP	Refrigeration	REF	REF_Refrig	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
2_REF_MPXOvrCnd	Refrigeration	GRC	GRC_Refrig	Region
2_REF_MPXOvrCnd	Refrigeration	REF	REF_Refrig	Region
2_REF_NtCvCfHE	Refrigeration	GRC	GRC_Refrig	Region
2_REF_NtCvCfHE	Refrigeration	REF	REF_Refrig	Region
2_REF_NtCvMdHE	Refrigeration	GRC	GRC_Refrig	Region
2_REF_NtCvMdHE	Refrigeration	REF	REF_Refrig	Region
2_REF_WICrtnHE	Refrigeration	GRC	GRC_Refrig	Region
2_REF_WICrtnHE	Refrigeration	REF	REF_Refrig	Region
2_REF_WIFanECM	Refrigeration	GRC	GRC_Refrig	Region
2_REF_WIFanECM	Refrigeration	REF	REF_Refrig	Region
2_REF_WIFnCtlHE	Refrigeration	GRC	GRC_Refrig	Region
2_REF_WIFnCtlHE	Refrigeration	REF	REF_Refrig	Region
2_VN_CldDrnkHE	Misc.	COL	COL_Misc	Region
2_VN_CldDrnkHE	Misc.	GRC	GRC_Misc	Region
2_VN_CldDrnkHE	Misc.	HLT	HLT_Misc	Region
2_VN_CldDrnkHE	Misc.	LDG	LDG_Misc	Region
2_VN_CldDrnkHE	Misc.	LGO	LGO_Misc	Region
2_VN_CldDrnkHE	Misc.	MSC	MSC_Misc	Region
2_VN_CldDrnkHE	Misc.	REF	REF_Misc	Region
2_VN_CldDrnkHE	Misc.	RET	RET_Misc	Region
2_VN_CldDrnkHE	Misc.	RST	RST_Misc	Region
2_VN_CldDrnkHE	Misc.	SCH	SCH_Misc	Region
2_VN_CldDrnkHE	Misc.	SMO	SMO_Misc	Region
2_VN_CldDrnkHE	Misc.	WRH	WRH_Misc	Region
2_VN_NonRefHE	Misc.	COL	COL_Misc	Region
2_VN_NonRefHE	Misc.	GRC	GRC_Misc	Region
2_VN_NonRefHE	Misc.	HLT	HLT_Misc	Region
2_VN_NonRefHE	Misc.	LDG	LDG_Misc	Region
2_VN_NonRefHE	Misc.	LGO	LGO_Misc	Region
2_VN_NonRefHE	Misc.	MSC	MSC_Misc	Region
2_VN_NonRefHE	Misc.	REF	REF_Misc	Region
2_VN_NonRefHE	Misc.	RET	RET_Misc	Region
2_VN_NonRefHE	Misc.	RST	RST_Misc	Region
2_VN_NonRefHE	Misc.	SCH	SCH_Misc	Region
2_VN_NonRefHE	Misc.	SMO	SMO_Misc	Region
2_VN_NonRefHE	Misc.	WRH	WRH_Misc	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
3_HV_PACge6514	HVAC	COL	COL_Cool	Region
3_HV_PACge6514	HVAC	GRC	GRC_Cool	Region
3_HV_PACge6514	HVAC	HLT	HLT_Cool	Region
3_HV_PACge6514	HVAC	LDG	LDG_Cool	Region
3_HV_PACge6514	HVAC	LGO	LGO_Cool	Region
3_HV_PACge6514	HVAC	MSC	MSC_Cool	Region
3_HV_PACge6514	HVAC	REF	REF_Cool	Region
3_HV_PACge6514	HVAC	RET	RET_Cool	Region
3_HV_PACge6514	HVAC	RST	RST_Cool	Region
3_HV_PACge6514	HVAC	SCH	SCH_Cool	Region
3_HV_PACge6514	HVAC	SMO	SMO_Cool	Region
3_HV_PACge6514	HVAC	WRH	WRH_Cool	Region
3_HV_PAClt6514	HVAC	COL	COL_Cool	Region
3_HV_PAClt6514	HVAC	GRC	GRC_Cool	Region
3_HV_PAClt6514	HVAC	HLT	HLT_Cool	Region
3_HV_PAClt6514	HVAC	LDG	LDG_Cool	Region
3_HV_PAClt6514	HVAC	LGO	LGO_Cool	Region
3_HV_PAClt6514	HVAC	MSC	MSC_Cool	Region
3_HV_PAClt6514	HVAC	REF	REF_Cool	Region
3_HV_PAClt6514	HVAC	RET	RET_Cool	Region
3_HV_PAClt6514	HVAC	RST	RST_Cool	Region
3_HV_PAClt6514	HVAC	SCH	SCH_Cool	Region
3_HV_PAClt6514	HVAC	SMO	SMO_Cool	Region
3_HV_PAClt6514	HVAC	WRH	WRH_Cool	Region
3_LT_CFL10_5p	Lighting	COL	COL_Lights	Region
3_LT_CFL10_5p	Lighting	GRC	GRC_Lights	Region
3_LT_CFL10_5p	Lighting	HLT	HLT_Lights	Region
3_LT_CFL10_5p	Lighting	LDG	LDG_Lights	Region
3_LT_CFL10_5p	Lighting	LGO	LGO_Lights	Region
3_LT_CFL10_5p	Lighting	MSC	MSC_Lights	Region
3_LT_CFL10_5p	Lighting	REF	REF_Lights	Region
3_LT_CFL10_5p	Lighting	RET	RET_Lights	Region
3_LT_CFL10_5p	Lighting	RST	RST_Lights	Region
3_LT_CFL10_5p	Lighting	SCH	SCH_Lights	Region
3_LT_CFL10_5p	Lighting	SMO	SMO_Lights	Region
3_LT_CFL10_5p	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
3_LT_CFL15p	Lighting	COL	COL_Lights	Region
3_LT_CFL15p	Lighting	GRC	GRC_Lights	Region
3_LT_CFL15p	Lighting	HLT	HLT_Lights	Region
3_LT_CFL15p	Lighting	LDG	LDG_Lights	Region
3_LT_CFL15p	Lighting	LGO	LGO_Lights	Region
3_LT_CFL15p	Lighting	MSC	MSC_Lights	Region
3_LT_CFL15p	Lighting	REF	REF_Lights	Region
3_LT_CFL15p	Lighting	RET	RET_Lights	Region
3_LT_CFL15p	Lighting	RST	RST_Lights	Region
3_LT_CFL15p	Lighting	SCH	SCH_Lights	Region
3_LT_CFL15p	Lighting	SMO	SMO_Lights	Region
3_LT_CFL15p	Lighting	WRH	WRH_Lights	Region
3_LT_CFL20p	Lighting	COL	COL_Lights	Region
3_LT_CFL20p	Lighting	GRC	GRC_Lights	Region
3_LT_CFL20p	Lighting	HLT	HLT_Lights	Region
3_LT_CFL20p	Lighting	LDG	LDG_Lights	Region
3_LT_CFL20p	Lighting	LGO	LGO_Lights	Region
3_LT_CFL20p	Lighting	MSC	MSC_Lights	Region
3_LT_CFL20p	Lighting	REF	REF_Lights	Region
3_LT_CFL20p	Lighting	RET	RET_Lights	Region
3_LT_CFL20p	Lighting	RST	RST_Lights	Region
3_LT_CFL20p	Lighting	SCH	SCH_Lights	Region
3_LT_CFL20p	Lighting	SMO	SMO_Lights	Region
3_LT_CFL20p	Lighting	WRH	WRH_Lights	Region
3_LT_CFL38p	Lighting	COL	COL_Lights	Region
3_LT_CFL38p	Lighting	GRC	GRC_Lights	Region
3_LT_CFL38p	Lighting	HLT	HLT_Lights	Region
3_LT_CFL38p	Lighting	LDG	LDG_Lights	Region
3_LT_CFL38p	Lighting	LGO	LGO_Lights	Region
3_LT_CFL38p	Lighting	MSC	MSC_Lights	Region
3_LT_CFL38p	Lighting	REF	REF_Lights	Region
3_LT_CFL38p	Lighting	RET	RET_Lights	Region
3_LT_CFL38p	Lighting	RST	RST_Lights	Region
3_LT_CFL38p	Lighting	SCH	SCH_Lights	Region
3_LT_CFL38p	Lighting	SMO	SMO_Lights	Region
3_LT_CFL38p	Lighting	WRH	WRH_Lights	Region

**Table D-1 (cont'd.): Energy Time-Of-Use Shares by Technology and Segment**

Technology Name	End Use	Segment	Energy Time-Of-Use Share	Changes by
3_LT_HIDT5HO	Lighting	COL	COL_Lights	Region
3_LT_HIDT5HO	Lighting	GRC	GRC_Lights	Region
3_LT_HIDT5HO	Lighting	HLT	HLT_Lights	Region
3_LT_HIDT5HO	Lighting	LDG	LDG_Lights	Region
3_LT_HIDT5HO	Lighting	LGO	LGO_Lights	Region
3_LT_HIDT5HO	Lighting	MSC	MSC_Lights	Region
3_LT_HIDT5HO	Lighting	REF	REF_Lights	Region
3_LT_HIDT5HO	Lighting	RET	RET_Lights	Region
3_LT_HIDT5HO	Lighting	RST	RST_Lights	Region
3_LT_HIDT5HO	Lighting	SCH	SCH_Lights	Region
3_LT_HIDT5HO	Lighting	SMO	SMO_Lights	Region
3_LT_HIDT5HO	Lighting	WRH	WRH_Lights	Region
3_LT_PCTC	Lighting	COL	COL_LightExt	Region
3_LT_PCTC	Lighting	GRC	GRC_LightExt	Region
3_LT_PCTC	Lighting	HLT	HLT_LightExt	Region
3_LT_PCTC	Lighting	LDG	LDG_LightExt	Region
3_LT_PCTC	Lighting	LGO	LGO_LightExt	Region
3_LT_PCTC	Lighting	MSC	MSC_LightExt	Region
3_LT_PCTC	Lighting	REF	REF_LightExt	Region
3_LT_PCTC	Lighting	RET	RET_LightExt	Region
3_LT_PCTC	Lighting	RST	RST_LightExt	Region
3_LT_PCTC	Lighting	SCH	SCH_LightExt	Region
3_LT_PCTC	Lighting	SMO	SMO_LightExt	Region
3_LT_PCTC	Lighting	WRH	WRH_LightExt	Region
3_REF_DCFanECM	Refrigeration	GRC	GRC_Refrig	Region
3_REF_DCFanECM	Refrigeration	REF	REF_Refrig	Region
4_LT_PCPT	Lighting	COL	COL_LightExt	Region
4_LT_PCPT	Lighting	GRC	GRC_LightExt	Region
4_LT_PCPT	Lighting	HLT	HLT_LightExt	Region
4_LT_PCPT	Lighting	LDG	LDG_LightExt	Region
4_LT_PCPT	Lighting	LGO	LGO_LightExt	Region
4_LT_PCPT	Lighting	MSC	MSC_LightExt	Region
4_LT_PCPT	Lighting	REF	REF_LightExt	Region
4_LT_PCPT	Lighting	RET	RET_LightExt	Region
4_LT_PCPT	Lighting	RST	RST_LightExt	Region
4_LT_PCPT	Lighting	SCH	SCH_LightExt	Region
4_LT_PCPT	Lighting	SMO	SMO_LightExt	Region
4_LT_PCPT	Lighting	WRH	WRH_LightExt	Region



## D.5 TOU Load Shapes and Summer Peak Factors

The following table lists the energy time-of-use shares for existing commercial end uses by region, where applicable. The load shapes were calculated using weather normalized CEUS 8760 simulated load data. These data were aggregated to the building type and region level to form TOU specific energy factors, peak factors and coincidence factors. The TOU period are listed in Appendix B.

**Table D-2: TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor	Coincidence Factor
COL_CookElec	Region 1	13%	14%	23%	27%	23%	1.2	0.97
COL_CookElec	Region 2	12%	13%	24%	26%	24%	1.2	0.86
COL_CookElec	Region 3	15%	14%	20%	32%	19%	1.2	0.77
COL_CookElec	Region 4	14%	13%	22%	29%	22%	1.4	0.84
COL_Cool	Region 1	27%	20%	21%	22%	9%	2.0	0.81
COL_Cool	Region 2	19%	17%	33%	18%	14%	1.4	0.63
COL_Cool	Region 3	25%	23%	25%	19%	9%	1.9	0.73
COL_Cool	Region 4	29%	23%	26%	15%	7%	1.9	0.93
COL_LightExt	Region 1	2%	9%	35%	13%	41%	10.1	0.00
COL_LightExt	Region 2	2%	9%	35%	13%	41%	9.2	0.00
COL_LightExt	Region 3	3%	9%	35%	12%	40%	5.6	0.04
COL_LightExt	Region 4	2%	9%	36%	12%	42%	9.7	0.00
COL_Refrig	Region 1	11%	12%	26%	24%	27%	1.4	0.56
COL_Refrig	Region 1	14%	14%	23%	28%	22%	1.2	0.81
COL_Refrig	Region 2	12%	12%	20%	31%	25%	1.5	0.44
COL_Refrig	Region 2	14%	14%	18%	35%	20%	1.4	0.56
COL_Refrig	Region 3	14%	15%	21%	30%	20%	1.2	0.77
COL_Refrig	Region 3	15%	15%	21%	30%	20%	1.2	0.85
COL_Refrig	Region 4	12%	14%	24%	27%	23%	1.3	0.65
COL_Refrig	Region 4	13%	13%	21%	31%	22%	1.4	0.64
COL_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00
COL_VAV	Region 1	13%	13%	25%	25%	24%	1.1	0.25
COL_VAV	Region 2	14%	15%	27%	26%	19%	3.3	0.25
COL_VAV	Region 3	14%	15%	22%	28%	21%	1.1	0.25
COL_VAV	Region 4	13%	14%	25%	24%	25%	1.2	0.25
COL_VFD	Region 1	27%	20%	21%	22%	9%	2.0	0.50
COL_VFD	Region 2	19%	17%	33%	18%	14%	1.4	0.50
COL_VFD	Region 3	25%	23%	25%	19%	9%	1.9	0.50
COL_VFD	Region 4	29%	23%	26%	15%	7%	1.9	0.50

**Table D-2 (cont'd.): TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor	Coincidence Factor
GRC_CookElec	Region 1	10%	12%	29%	22%	27%	1.2	0.75
GRC_CookElec	Region 2	10%	12%	29%	22%	27%	1.3	0.73
GRC_CookElec	Region 3	9%	12%	29%	22%	28%	1.3	0.75
GRC_CookElec	Region 4	11%	12%	27%	24%	25%	1.2	0.84
GRC_Cool	Region 1	30%	20%	30%	12%	8%	2.3	0.83
GRC_Cool	Region 2	19%	19%	36%	15%	11%	1.7	0.66
GRC_Cool	Region 3	20%	19%	33%	16%	12%	1.7	0.81
GRC_Cool	Region 4	25%	20%	35%	12%	8%	1.6	1.00
GRC_LightExt	Region 1	2%	9%	35%	13%	40%	7.1	0.03
GRC_LightExt	Region 2	3%	9%	35%	13%	40%	5.2	0.02
GRC_LightExt	Region 3	5%	9%	33%	15%	38%	3.7	0.21
GRC_LightExt	Region 4	3%	9%	36%	12%	40%	5.6	0.02
GRC_Refrig	Region 1	11%	12%	27%	23%	27%	1.0	0.97
GRC_Refrig	Region 1	12%	12%	27%	23%	26%	1.1	0.88
GRC_Refrig	Region 1	10%	11%	31%	19%	29%	1.1	0.94
GRC_Refrig	Region 2	10%	11%	29%	21%	28%	1.0	0.96
GRC_Refrig	Region 2	11%	12%	28%	22%	28%	1.0	0.96
GRC_Refrig	Region 2	10%	11%	32%	19%	29%	1.1	0.94
GRC_Refrig	Region 3	10%	11%	29%	21%	28%	1.1	0.93
GRC_Refrig	Region 3	11%	12%	28%	22%	28%	1.0	0.95
GRC_Refrig	Region 3	10%	11%	32%	19%	28%	1.1	0.91
GRC_Refrig	Region 4	11%	12%	28%	22%	27%	1.0	0.99
GRC_Refrig	Region 4	12%	12%	27%	24%	26%	1.1	0.97
GRC_Refrig	Region 4	11%	12%	32%	18%	27%	1.1	0.94
GRC_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00
GRC_VAV	Region 1	11%	12%	28%	22%	28%	1.0	0.25
GRC_VAV	Region 2	10%	11%	31%	20%	29%	1.0	0.25
GRC_VAV	Region 3	10%	12%	30%	20%	28%	1.1	0.25
GRC_VAV	Region 4	11%	12%	30%	21%	27%	1.1	0.25
GRC_VFD	Region 1	30%	20%	30%	12%	8%	2.3	0.50
GRC_VFD	Region 2	19%	19%	36%	15%	11%	1.7	0.50
GRC_VFD	Region 3	20%	19%	33%	16%	12%	1.7	0.50
GRC_VFD	Region 4	25%	20%	35%	12%	8%	1.6	0.50
HLT_CookElec	Region 1	12%	12%	27%	24%	25%	1.2	0.88
HLT_CookElec	Region 2	12%	14%	24%	26%	23%	1.3	0.85
HLT_CookElec	Region 3	13%	13%	25%	26%	24%	1.2	0.97
HLT_CookElec	Region 4	12%	13%	26%	25%	24%	1.2	0.91

**Table D-2 (cont'd.): TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor	Coincidence Factor
HLT_Cool	Region 1	21%	19%	32%	16%	12%	1.9	0.75
HLT_Cool	Region 2	16%	16%	34%	18%	16%	1.6	0.68
HLT_Cool	Region 3	19%	17%	36%	15%	13%	1.7	0.84
HLT_Cool	Region 4	24%	19%	36%	12%	9%	1.7	0.99
HLT_LightExt	Region 1	2%	9%	36%	12%	41%	8.0	0.01
HLT_LightExt	Region 2	3%	9%	35%	12%	40%	4.9	0.03
HLT_LightExt	Region 3	4%	9%	34%	14%	39%	4.1	0.09
HLT_LightExt	Region 4	2%	9%	35%	12%	41%	8.0	0.01
HLT_Refrig	Region 1	10%	12%	28%	22%	27%	1.3	0.76
HLT_Refrig	Region 1	11%	12%	28%	22%	27%	1.1	0.92
HLT_Refrig	Region 2	11%	12%	28%	23%	27%	1.3	0.76
HLT_Refrig	Region 2	11%	12%	28%	23%	27%	1.1	0.86
HLT_Refrig	Region 3	10%	12%	29%	22%	28%	1.3	0.74
HLT_Refrig	Region 3	11%	11%	29%	22%	28%	1.1	0.94
HLT_Refrig	Region 4	11%	12%	29%	22%	28%	1.1	0.89
HLT_Refrig	Region 4	11%	12%	28%	22%	27%	1.3	0.76
HLT_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00
HLT_VAV	Region 1	10%	11%	30%	19%	30%	1.1	0.25
HLT_VAV	Region 2	10%	11%	30%	20%	29%	1.1	0.25
HLT_VAV	Region 3	10%	11%	31%	19%	30%	1.1	0.25
HLT_VAV	Region 4	10%	11%	31%	19%	30%	1.1	0.25
HLT_VFD	Region 1	21%	19%	32%	16%	12%	1.9	0.50
HLT_VFD	Region 2	16%	16%	34%	18%	16%	1.6	0.50
HLT_VFD	Region 3	19%	17%	36%	15%	13%	1.7	0.50
HLT_VFD	Region 4	24%	19%	36%	12%	9%	1.7	0.50
LDG_CookElec	Region 1	12%	13%	26%	24%	25%	1.1	0.95
LDG_CookElec	Region 2	12%	13%	26%	24%	25%	1.1	1.00
LDG_CookElec	Region 3	14%	12%	26%	24%	24%	1.4	1.00
LDG_CookElec	Region 4	12%	12%	26%	24%	26%	1.1	0.96
LDG_Cool	Region 1	21%	18%	33%	16%	12%	2.1	0.85
LDG_Cool	Region 2	16%	15%	34%	16%	18%	1.5	0.69
LDG_Cool	Region 3	19%	17%	35%	15%	14%	1.7	0.87
LDG_Cool	Region 4	23%	18%	38%	10%	10%	1.8	1.00

**Table D-2 (cont'd.): TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor	Coincidence Factor
LDG_LightExt	Region 1	2%	9%	36%	12%	41%	8.2	0.07
LDG_LightExt	Region 2	4%	9%	35%	13%	39%	4.5	0.08
LDG_LightExt	Region 3	4%	9%	35%	12%	40%	5.0	0.01
LDG_LightExt	Region 4	3%	10%	35%	12%	40%	6.7	0.00
LDG_Refrig	Region 1	9%	11%	30%	20%	30%	1.3	0.81
LDG_Refrig	Region 1	11%	11%	29%	21%	28%	1.2	0.90
LDG_Refrig	Region 2	10%	12%	29%	21%	29%	1.2	0.87
LDG_Refrig	Region 2	12%	12%	27%	23%	27%	1.0	1.00
LDG_Refrig	Region 3	10%	11%	30%	20%	29%	1.2	0.87
LDG_Refrig	Region 3	10%	11%	30%	20%	29%	1.1	1.00
LDG_Refrig	Region 4	10%	11%	29%	21%	29%	1.3	0.79
LDG_Refrig	Region 4	12%	11%	28%	22%	27%	1.1	0.97
LDG_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00
LDG_VAV	Region 1	10%	11%	31%	18%	31%	1.2	0.25
LDG_VAV	Region 2	10%	11%	31%	19%	29%	1.1	0.25
LDG_VAV	Region 3	10%	11%	31%	18%	30%	1.1	0.25
LDG_VAV	Region 4	10%	11%	31%	18%	30%	1.1	0.25
LDG_VFD	Region 1	21%	18%	33%	16%	12%	2.1	0.50
LDG_VFD	Region 2	16%	15%	34%	16%	18%	1.5	0.50
LDG_VFD	Region 3	19%	17%	35%	15%	14%	1.7	0.50
LDG_VFD	Region 4	23%	18%	38%	10%	10%	1.8	0.50
LGO_CookElec	Region 1	13%	16%	21%	31%	18%	1.6	0.56
LGO_CookElec	Region 2	13%	18%	20%	32%	17%	1.9	0.41
LGO_CookElec	Region 3	12%	16%	23%	29%	20%	1.8	0.48
LGO_CookElec	Region 4	13%	16%	22%	30%	19%	1.6	0.53
LGO_Cool	Region 1	21%	18%	28%	20%	14%	1.9	0.82
LGO_Cool	Region 2	19%	18%	29%	21%	13%	1.6	0.70
LGO_Cool	Region 3	21%	18%	28%	20%	12%	1.8	0.79
LGO_Cool	Region 4	29%	21%	25%	16%	9%	1.9	0.98
LGO_LightExt	Region 1	3%	9%	36%	12%	40%	6.3	0.05
LGO_LightExt	Region 2	5%	9%	34%	14%	38%	3.5	0.12
LGO_LightExt	Region 3	4%	9%	35%	13%	39%	4.5	0.09
LGO_LightExt	Region 4	3%	9%	35%	12%	40%	6.2	0.05

**Table D-2 (cont'd.): TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor	Coincidence Factor
LGO_Refrig	Region 1	10%	12%	28%	22%	28%	1.2	0.78
LGO_Refrig	Region 1	13%	13%	25%	26%	23%	1.2	0.87
LGO_Refrig	Region 2	11%	12%	28%	23%	27%	1.3	0.77
LGO_Refrig	Region 2	13%	13%	24%	26%	23%	1.2	0.86
LGO_Refrig	Region 3	12%	14%	25%	26%	23%	1.5	0.60
LGO_Refrig	Region 3	12%	13%	25%	26%	24%	1.2	0.84
LGO_Refrig	Region 4	11%	13%	28%	23%	26%	1.3	0.70
LGO_Refrig	Region 4	13%	13%	24%	27%	23%	1.2	0.85
LGO_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00
LGO_VAV	Region 1	12%	12%	26%	24%	25%	1.2	0.25
LGO_VAV	Region 2	13%	13%	26%	24%	24%	1.2	0.25
LGO_VAV	Region 3	12%	12%	28%	22%	25%	1.2	0.25
LGO_VAV	Region 4	13%	13%	26%	24%	24%	1.3	0.25
LGO_VFD	Region 1	21%	18%	28%	20%	14%	1.9	0.50
LGO_VFD	Region 2	19%	18%	29%	21%	13%	1.6	0.50
LGO_VFD	Region 3	21%	18%	28%	20%	12%	1.8	0.50
LGO_VFD	Region 4	29%	21%	25%	16%	9%	1.9	0.50
MSC_CookElec	Region 1	13%	12%	25%	25%	25%	1.2	1.00
MSC_CookElec	Region 2	12%	14%	25%	26%	23%	1.2	0.81
MSC_CookElec	Region 3	12%	13%	26%	25%	25%	1.2	0.83
MSC_CookElec	Region 4	11%	13%	27%	24%	25%	1.4	0.67
MSC_Cool	Region 1	28%	19%	29%	14%	10%	2.4	0.86
MSC_Cool	Region 2	23%	21%	30%	16%	11%	1.9	0.53
MSC_Cool	Region 3	26%	21%	29%	16%	8%	2.0	0.74
MSC_Cool	Region 4	29%	23%	32%	10%	5%	2.2	0.81
MSC_LightExt	Region 1	5%	11%	32%	15%	37%	4.3	0.20
MSC_LightExt	Region 2	9%	10%	29%	18%	34%	2.5	0.48
MSC_LightExt	Region 3	5%	10%	33%	15%	38%	3.9	0.20
MSC_LightExt	Region 4	5%	10%	33%	14%	38%	4.5	0.18
MSC_Refrig	Region 1	12%	13%	26%	25%	25%	1.2	0.84
MSC_Refrig	Region 1	12%	12%	26%	25%	25%	1.2	0.82
MSC_Refrig	Region 2	12%	13%	26%	24%	25%	1.2	0.75
MSC_Refrig	Region 2	13%	14%	24%	27%	22%	1.4	0.66
MSC_Refrig	Region 3	12%	13%	25%	26%	24%	1.2	0.84
MSC_Refrig	Region 3	14%	14%	23%	28%	22%	1.2	0.79
MSC_Refrig	Region 4	12%	13%	26%	25%	24%	1.4	0.67
MSC_Refrig	Region 4	12%	13%	25%	26%	24%	1.3	0.75

**Table D-2 (cont'd.): TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor	Coincidence Factor
MSC_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00
MSC_VAV	Region 1	13%	13%	27%	22%	26%	1.3	0.25
MSC_VAV	Region 2	13%	14%	25%	25%	23%	1.4	0.25
MSC_VAV	Region 3	14%	14%	26%	23%	22%	1.3	0.25
MSC_VAV	Region 4	12%	13%	28%	21%	26%	1.6	0.25
MSC_VFD	Region 1	28%	19%	29%	14%	10%	2.4	0.50
MSC_VFD	Region 2	23%	21%	30%	16%	11%	1.9	0.50
MSC_VFD	Region 3	26%	21%	29%	16%	8%	2.0	0.50
MSC_VFD	Region 4	29%	23%	32%	10%	5%	2.2	0.50
REF_CookElec	Region 1	11%	17%	23%	29%	21%	2.0	0.47
REF_CookElec	Region 2	9%	16%	26%	26%	23%	2.5	0.28
REF_CookElec	Region 3	14%	14%	23%	29%	20%	1.3	0.78
REF_CookElec	Region 4	13%	13%	26%	26%	22%	1.3	0.72
REF_Cool	Region 1	26%	21%	25%	18%	9%	2.4	0.71
REF_Cool	Region 2	25%	23%	21%	24%	6%	2.4	0.44
REF_Cool	Region 3	27%	21%	25%	21%	6%	2.1	0.79
REF_Cool	Region 4	28%	22%	37%	9%	4%	1.9	0.96
REF_LightExt	Region 1	2%	9%	36%	12%	42%	11.6	0.00
REF_LightExt	Region 2	5%	9%	36%	11%	39%	3.5	0.00
REF_LightExt	Region 3	4%	9%	35%	12%	39%	4.9	0.00
REF_LightExt	Region 4	2%	9%	35%	12%	41%	7.0	0.10
REF_Refrig	Region 1	13%	14%	25%	26%	22%	1.3	0.75
REF_Refrig	Region 1	13%	13%	25%	25%	24%	1.1	0.97
REF_Refrig	Region 1	11%	12%	35%	16%	25%	1.3	0.94
REF_Refrig	Region 2	11%	11%	28%	22%	27%	1.1	0.87
REF_Refrig	Region 2	12%	11%	27%	23%	27%	1.0	0.99
REF_Refrig	Region 2	10%	11%	33%	18%	28%	1.1	0.90
REF_Refrig	Region 3	12%	12%	27%	23%	26%	1.1	0.96
REF_Refrig	Region 3	12%	12%	26%	25%	25%	1.1	0.88
REF_Refrig	Region 3	10%	11%	32%	19%	28%	1.1	0.92
REF_Refrig	Region 4	11%	12%	30%	22%	25%	1.2	0.89
REF_Refrig	Region 4	12%	12%	28%	23%	25%	1.1	0.91
REF_Refrig	Region 4	12%	13%	37%	15%	23%	1.3	0.87
REF_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00

**Table D-2 (cont'd.): TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor	Coincidence Factor
REF_VAV	Region 1	15%	15%	21%	30%	19%	1.1	0.25
REF_VAV	Region 2	13%	15%	25%	26%	21%	1.0	0.25
REF_VAV	Region 3	15%	14%	26%	24%	21%	1.4	0.25
REF_VAV	Region 4	17%	16%	37%	15%	15%	1.6	0.25
REF_VFD	Region 1	26%	21%	25%	18%	9%	2.4	0.50
REF_VFD	Region 2	25%	23%	21%	24%	6%	2.4	0.50
REF_VFD	Region 3	27%	21%	25%	21%	6%	2.1	0.50
REF_VFD	Region 4	28%	22%	37%	9%	4%	1.9	0.50
RET_CookElec	Region 1	14%	14%	23%	28%	21%	1.3	0.79
RET_CookElec	Region 2	14%	14%	23%	28%	21%	1.3	0.78
RET_CookElec	Region 3	14%	14%	24%	28%	22%	1.3	0.84
RET_CookElec	Region 4	12%	14%	24%	27%	22%	1.4	0.64
RET_Cool	Region 1	30%	21%	25%	16%	7%	2.2	0.80
RET_Cool	Region 2	24%	20%	28%	19%	9%	1.6	0.66
RET_Cool	Region 3	26%	21%	29%	17%	8%	1.7	0.83
RET_Cool	Region 4	32%	24%	31%	9%	4%	1.9	0.91
RET_LightExt	Region 1	4%	9%	34%	14%	38%	4.5	0.12
RET_LightExt	Region 2	5%	10%	34%	14%	38%	3.9	0.18
RET_LightExt	Region 3	7%	10%	32%	15%	36%	3.3	0.24
RET_LightExt	Region 4	6%	10%	33%	15%	37%	3.7	0.25
RET_Refrig	Region 1	13%	13%	25%	26%	24%	1.1	0.89
RET_Refrig	Region 1	13%	13%	25%	26%	23%	1.1	0.93
RET_Refrig	Region 2	13%	13%	24%	27%	23%	1.1	0.90
RET_Refrig	Region 2	13%	13%	24%	27%	22%	1.2	0.89
RET_Refrig	Region 3	12%	13%	26%	25%	25%	1.1	0.93
RET_Refrig	Region 3	12%	13%	26%	25%	24%	1.1	0.90
RET_Refrig	Region 4	12%	13%	26%	25%	24%	1.1	0.86
RET_Refrig	Region 4	12%	13%	25%	25%	24%	1.2	0.82
RET_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00
RET_VAV	Region 1	13%	14%	26%	25%	23%	1.1	0.25
RET_VAV	Region 2	12%	13%	27%	23%	24%	1.1	0.25
RET_VAV	Region 3	14%	13%	26%	25%	23%	1.1	0.25
RET_VAV	Region 4	13%	14%	27%	23%	23%	1.2	0.25
RET_VFD	Region 1	30%	21%	25%	16%	7%	2.2	0.50
RET_VFD	Region 2	24%	20%	28%	19%	9%	1.6	0.50
RET_VFD	Region 3	26%	21%	29%	17%	8%	1.7	0.50
RET_VFD	Region 4	32%	24%	31%	9%	4%	1.9	0.50

**Table D-2 (cont'd.): TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor	Coincidence Factor
RST_CookElec	Region 1	14%	14%	23%	28%	22%	1.1	0.91
RST_CookElec	Region 2	13%	13%	24%	26%	24%	1.1	0.97
RST_CookElec	Region 3	13%	13%	25%	26%	24%	1.1	1.00
RST_CookElec	Region 4	13%	14%	23%	27%	22%	1.1	0.99
RST_Cool	Region 1	26%	20%	26%	19%	9%	1.8	0.96
RST_Cool	Region 2	19%	18%	32%	18%	13%	1.4	0.77
RST_Cool	Region 3	20%	18%	31%	18%	12%	1.5	0.86
RST_Cool	Region 4	28%	22%	31%	13%	6%	1.6	0.99
RST_LightExt	Region 1	6%	10%	32%	16%	36%	3.0	0.45
RST_LightExt	Region 2	6%	10%	33%	15%	37%	3.4	0.23
RST_LightExt	Region 3	5%	10%	33%	15%	37%	3.7	0.26
RST_LightExt	Region 4	3%	10%	34%	14%	39%	5.7	0.03
RST_Refrig	Region 1	14%	13%	24%	26%	23%	1.1	0.95
RST_Refrig	Region 1	15%	14%	22%	28%	21%	1.0	0.93
RST_Refrig	Region 2	11%	11%	29%	19%	30%	1.5	0.98
RST_Refrig	Region 2	13%	13%	24%	25%	24%	1.0	0.99
RST_Refrig	Region 3	13%	13%	25%	25%	25%	1.0	0.99
RST_Refrig	Region 3	13%	13%	25%	25%	24%	1.0	1.00
RST_Refrig	Region 4	13%	13%	24%	25%	24%	1.0	0.98
RST_Refrig	Region 4	13%	13%	24%	26%	23%	1.1	0.97
RST_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00
RST_VAV	Region 1	13%	14%	27%	23%	23%	1.2	0.25
RST_VAV	Region 2	11%	12%	29%	22%	26%	1.0	0.25
RST_VAV	Region 3	12%	12%	29%	22%	25%	1.1	0.25
RST_VAV	Region 4	13%	14%	28%	22%	23%	1.1	0.25
RST_VFD	Region 1	26%	20%	26%	19%	9%	1.8	0.50
RST_VFD	Region 2	19%	18%	32%	18%	13%	1.4	0.50
RST_VFD	Region 3	20%	18%	31%	18%	12%	1.5	0.50
RST_VFD	Region 4	28%	22%	31%	13%	6%	1.6	0.50
SCH_CookElec	Region 1	5%	21%	21%	35%	18%	5.3	0.10
SCH_CookElec	Region 2	9%	18%	21%	33%	19%	3.3	0.14
SCH_CookElec	Region 3	8%	19%	20%	34%	18%	3.4	0.15
SCH_CookElec	Region 4	8%	18%	21%	34%	19%	3.2	0.12
SCH_Cool	Region 1	31%	38%	11%	19%	2%	5.7	0.17
SCH_Cool	Region 2	19%	32%	19%	23%	6%	4.1	0.13
SCH_Cool	Region 3	26%	33%	17%	23%	2%	3.9	0.25
SCH_Cool	Region 4	30%	34%	21%	14%	2%	3.4	0.45



**Table D-2 (cont'd.): TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor	Coincidence Factor
SCH_LightExt	Region 1	3%	9%	35%	12%	40%	6.3	0.15
SCH_LightExt	Region 2	5%	9%	35%	13%	38%	3.6	0.10
SCH_LightExt	Region 3	6%	11%	31%	16%	36%	3.4	0.28
SCH_LightExt	Region 4	2%	9%	35%	12%	41%	8.0	0.01
SCH_Refrig	Region 1	7%	16%	24%	30%	24%	2.8	0.18
SCH_Refrig	Region 1	11%	17%	21%	32%	20%	2.4	0.24
SCH_Refrig	Region 2	10%	15%	24%	29%	22%	1.9	0.27
SCH_Refrig	Region 2	10%	16%	21%	32%	21%	2.4	0.15
SCH_Refrig	Region 3	7%	19%	22%	31%	22%	3.1	0.14
SCH_Refrig	Region 3	11%	17%	22%	30%	20%	2.1	0.34
SCH_Refrig	Region 4	8%	18%	21%	33%	20%	3.3	0.14
SCH_Refrig	Region 4	10%	16%	22%	30%	22%	2.2	0.25
SCH_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00
SCH_VAV	Region 1	10%	18%	17%	32%	23%	3.0	0.25
SCH_VAV	Region 2	11%	20%	18%	33%	18%	3.2	0.25
SCH_VAV	Region 3	15%	18%	18%	32%	17%	2.1	0.25
SCH_VAV	Region 4	13%	17%	19%	28%	23%	2.2	0.25
SCH_VFD	Region 1	31%	38%	11%	19%	2%	5.7	0.50
SCH_VFD	Region 2	19%	32%	19%	23%	6%	4.1	0.50
SCH_VFD	Region 3	26%	33%	17%	23%	2%	3.9	0.50
SCH_VFD	Region 4	30%	34%	21%	14%	2%	3.4	0.50
SMO_CookElec	Region 1	14%	19%	17%	36%	13%	2.0	0.37
SMO_CookElec	Region 2	14%	19%	17%	36%	14%	1.9	0.41
SMO_CookElec	Region 3	13%	21%	18%	35%	13%	2.2	0.28
SMO_CookElec	Region 4	13%	20%	18%	35%	14%	2.1	0.32
SMO_Cool	Region 1	28%	21%	24%	16%	10%	2.5	0.77
SMO_Cool	Region 2	26%	25%	20%	23%	7%	2.0	0.51
SMO_Cool	Region 3	31%	27%	17%	22%	3%	2.4	0.58
SMO_Cool	Region 4	37%	26%	21%	13%	3%	2.4	0.82
SMO_LightExt	Region 1	2%	9%	36%	12%	42%	10.0	0.06
SMO_LightExt	Region 2	3%	9%	35%	13%	40%	5.5	0.02
SMO_LightExt	Region 3	3%	9%	34%	13%	40%	5.5	0.03
SMO_LightExt	Region 4	3%	9%	35%	12%	40%	6.9	0.02

**Table D-2 (cont'd.): TOU Load Shapes and Summer Peak Factors**

Energy Time-Of-Use Share	Region	Summer On Peak	Summer Partial Peak	Summer Off Peak	Winter Partial Peak	Winter Off Peak	Summer Peak Factor	Coincidence Factor
SMO_Refrig	Region 1	12%	13%	26%	25%	24%	1.4	0.68
SMO_Refrig	Region 1	15%	15%	21%	31%	18%	1.4	0.70
SMO_Refrig	Region 2	14%	16%	21%	31%	19%	1.5	0.59
SMO_Refrig	Region 2	15%	16%	19%	32%	17%	1.4	0.66
SMO_Refrig	Region 3	12%	17%	22%	29%	19%	1.8	0.41
SMO_Refrig	Region 3	16%	17%	18%	34%	15%	1.5	0.58
SMO_Refrig	Region 4	12%	15%	24%	27%	22%	1.6	0.57
SMO_Refrig	Region 4	14%	16%	21%	31%	18%	1.4	0.64
SMO_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00
SMO_VAV	Region 1	14%	13%	25%	24%	23%	1.3	0.25
SMO_VAV	Region 2	16%	16%	20%	30%	18%	1.3	0.25
SMO_VAV	Region 3	18%	17%	21%	29%	14%	1.5	0.25
SMO_VAV	Region 4	17%	15%	22%	26%	21%	1.5	0.25
SMO_VFD	Region 1	28%	21%	24%	16%	10%	2.5	0.50
SMO_VFD	Region 2	26%	25%	20%	23%	7%	2.0	0.50
SMO_VFD	Region 3	31%	27%	17%	22%	3%	2.4	0.50
SMO_VFD	Region 4	37%	26%	21%	13%	3%	2.4	0.50
WRH_CookElec	Region 1	13%	17%	21%	31%	18%	1.9	0.39
WRH_CookElec	Region 2	15%	17%	19%	34%	15%	1.6	0.56
WRH_CookElec	Region 3	13%	17%	21%	31%	18%	1.7	0.47
WRH_CookElec	Region 4	15%	15%	21%	31%	18%	1.4	0.66
WRH_Cool	Region 1	36%	27%	19%	14%	4%	3.4	0.62
WRH_Cool	Region 2	28%	24%	31%	14%	4%	2.0	0.47
WRH_Cool	Region 3	34%	28%	23%	13%	2%	2.4	0.57
WRH_Cool	Region 4	42%	29%	24%	5%	1%	2.5	0.83
WRH_LightExt	Region 1	2%	9%	36%	12%	41%	8.8	0.00
WRH_LightExt	Region 2	3%	9%	36%	12%	40%	5.6	0.01
WRH_LightExt	Region 3	4%	9%	34%	14%	39%	5.2	0.07
WRH_LightExt	Region 4	2%	9%	36%	13%	41%	9.5	0.07
WRH_Refrig	Region 1	13%	15%	23%	29%	21%	1.3	0.71
WRH_Refrig	Region 1	14%	15%	22%	29%	21%	1.3	0.74
WRH_Refrig	Region 2	13%	13%	25%	26%	24%	1.2	0.80
WRH_Refrig	Region 2	14%	14%	23%	28%	21%	1.2	0.86
WRH_Refrig	Region 3	13%	14%	24%	26%	23%	1.1	0.92
WRH_Refrig	Region 3	13%	14%	23%	28%	21%	1.3	0.75
WRH_Refrig	Region 4	12%	13%	25%	26%	24%	1.2	0.78
WRH_Refrig	Region 4	14%	14%	23%	28%	22%	1.1	0.90

**Table D-2 (cont'd.): TOU Load Shapes and Summer Peak Factors**

<b>Energy Time-Of-Use Share</b>	<b>Region</b>	<b>Summer On Peak</b>	<b>Summer Partial Peak</b>	<b>Summer Off Peak</b>	<b>Winter Partial Peak</b>	<b>Winter Off Peak</b>	<b>Summer Peak Factor</b>	<b>Coincidence Factor</b>
WRH_TSTAT	Statewide	0%	0%	31%	0%	69%	1.0	0.00
WRH_VAV	Region 1	16%	14%	17%	28%	25%	1.9	0.25
WRH_VAV	Region 2	12%	13%	28%	23%	25%	1.4	0.25
WRH_VAV	Region 3	15%	16%	24%	24%	21%	1.4	0.25
WRH_VAV	Region 4	14%	15%	24%	22%	26%	1.5	0.25
WRH_VFD	Region 1	36%	27%	19%	14%	4%	3.4	0.50
WRH_VFD	Region 2	28%	24%	31%	14%	4%	2.0	0.50
WRH_VFD	Region 3	34%	28%	23%	13%	2%	2.4	0.50
WRH_VFD	Region 4	42%	29%	24%	5%	1%	2.5	0.50