

**CALIFORNIA MEASUREMENT ADVISORY COUNCIL**  
**MEETING MINUTES**  
**January 16, 2002**

**Attendance:**

SCE: Marian Brown, Chair  
PG&E: Valerie Richardson, Marty Kurtovich, Rafael Friedman  
SDG&E: Mary Anderson (by telephone)  
SoCalGas: Craig Tyler (by telephone)  
Energy Division: Eli Kollman, Ariana Marlino  
ORA: Don Smith  
CEC: Sylvia Bender, Mike Messenger  
NRDC: Noah Horowitz  
Others: Tim Caulfield, Equipoise Consulting

**CALMAC Website Committee Update:**

PG&E has contracted with Equipoise Consulting to advise the committee on website development. Tim Caulfield of Equipoise presented his proposal for updated website content and new page organization. Discussion followed, with suggestions being made for features of the new publications page.

Noah Horowitz's suggestion of adding significant studies by non-CALMAC California organizations was referred to the committee. The committee was asked to come back with a proposal on whether or how to do this and a cost estimate. It was noted that third party contractors selected by the CPUC to implement PY 2002 local energy efficiency programs must provide evaluation, measurement and verification (EM&V) reports to the CPUC. To make it easy to place these reports on the website, utilities could include a contract clause that requires that these reports must be provided in PDF format to the utility as well as in hard copy.

Marty Kurtovich, chair of the committee, pointed out that the CPUC decision on PY 2002 programs requires the utilities to develop two new databases and make them available on a website. With such requirements, Marty believes that the utilities need more direct control over the CALMAC website. Some committee members recommend a utility-managed contract to enhance and host the website. The CEC will inform the committee and CALMAC about the CEC's continued willingness to host and enhance the site and the resources that it would be able to devote to this activity in 2002. While CEC has been responsible for the design and full support for the website since its inception, the 2002 state budget may make further high-level support difficult. CALMAC agreed to make a decision on future website management at the next meeting, if full input has been provided by the committee and the CEC before that meeting.

Currently, the utilities and Equipoise are attempting to get 91 additional, recent studies in PDF format for posting on the website. This is a high priority activity. CALMAC agreed that a lower priority goal would be to scan the titles, tables of contents, and executive summaries of older reports into PDF files. These could then be available on the website.

**Report on the Status of CEC-Managed Statewide Studies**

Sylvia Bender and Mike Messenger reported on these studies.

DEER Update: Steve Layman is the project manager. Since Xenergy has done the previous work on the Database of Energy Efficiency Resources, CEC is planning to award a sole-source contract to Xenergy in March. The update plan had been focused on the commercial sector, but

the project advisory team will review whether that is still the primary need. The previous round did a lot of residential sector updating.

RASS (Residential Appliance Saturation Survey): Glenn Sharp is the project manager. The contract with Xenergy is waiting for approval by the Department of General Services. The Los Angeles Department of Water and Power area will be included, paid for by SoCalGas funds. Utility representatives on the project advisory committee are: Paul HamSu (PG&E), Shahana Samiullah (SCE), Tim Vonder (SDG&E), ??? Chang (SoCalGas), and Don Cunningham (LADWP).

CEUS (Commercial Energy Use Survey): Mark Ciminelli is the project manager. Utilities will be getting formal letters from the CEC in March asking them what Title 20 compliance option each utility is choosing: doing the study themselves or participating in the CEC study. The four utility members of CALMAC have already provided CEC the funding for the CEC-managed approach but everyone must respond to the letter.

Nonresidential Market Share Tracking Study: Adrienne Kandel is the project manager. The study has completed surveys of SIC sectors 20 (food) and 35 (electronic equipment), and surveys of sector 36 are in progress now. A database structure has been developed to store the data for analyses.

Mike and Sylvia also reported on ongoing state agency evaluations of 2001 energy efficiency activity.

The California Power Authority has just issued the Summer 2001 Conservation Report. It provides a listing of programs run, savings goals and estimated achieved savings for all the incrementally-funded 2001 programs. That is, it does not include the Public Goods Charge-funded utility programs, but rather activity funded by AB970 and SBx1-5. It should be posted on the CEC website shortly. It should be a good data source from which the CALMAC 2001 scoping study can build.

Nexant delivered draft verification reports on all CEC programs December 1. They tried to verify all programs by site visits, metering, or billing analysis. Their data could be an easy input to the CALMAC statewide study of 2001 program results.

The Washington State University study of 2001 California customer conservation motivations and actions has completed 1800 residential phone surveys from the 3 IOU and 2 largest municipal utility service territories. The customers will be re-surveyed in Spring 2002. WSU will analyze data including survey questions about actions taken, motivations, and demographics, plus 1999-2002 billing data from the utilities. On the commercial side, depth interviews were completed in December, limited to the institutional, small commercial, schools, agricultural and cool roofs segments (chosen because these are segments for which CEC has programs).

Randall Ridell of CEC is doing a residential real-time pricing pilot project in a subdivision. Some customers have time-of-use pricing and others face hourly prices. He is exploring how responsive residential customers are to electricity price changes when they have automated equipment to help them respond.

## **Discussion of the CALMAC Statewide Study of 2001 California Energy Efficiency Program Results.**

Noah described the proposed study of California energy efficiency programs with substantial claimed energy savings. It will gather program cost and energy savings data (usually based on ex ante unit energy savings estimates), document how savings estimates were developed,

develop preliminary cost per kWh saved, and document any lessons learned about savings and cost estimation. The study should also identify whether any follow-up evaluations are planned.

Project Management: Noah Horowitz, project manager. Marian Brown, contract manager.  
CALMAC Advisory Team: Sylvia Bender, Tim Drew and/or Eli Kollman, Don Smith, Marian Brown, Craig Tyler, Valerie Richardson, Rob Rubin.

Schedule: RFP out in February, contract in place mid-March; draft report in early June; final report in July.

### **CPUC-Required 2002 Studies**

Members reviewed the four statewide MA&E projects required by Decision –1-11-066 and made some suggestions about various parts. At the next CALMAC meeting, members will review the broad assignments below and any additional assignments for sections of major projects. Organizations volunteered to take the lead on each of the four major projects as follows:

- SCE – EM&V Master Contract;
- PG&E – Potential/Saturation Project
  - SCE - Residential Market Share Tracking section
- PG&E – Best Practices Database
- CEC – Deemed Savings Database

Project leads will begin developing plans for these projects and will try to circulate rough drafts a week before the next CALMAC meeting.

### **Other Discussion of Statewide Study Plans**

Responding to the request of Noah and others, Marian agreed pull together a 2002 Statewide MA&E Plan that puts all of the MA&E funding and statewide Evaluation, Measurement & Verification Plans in the utility 2002 Program Proposal filings into a single document.

Mike and Noah suggested that some money be reserved in the EM&V Master Contract project to collate all of the M&V results after the end of the program year, to provide an overall report on the results achieved by the 2002 Public Goods Charge programs.

Mike noted that one of the 2001 state laws requires the use of new cost-effectiveness tests that take into account time of use, on both avoided cost and energy savings sides. The state Interagency Working Group has talked about updating the avoided costs stream they are currently using, which is the CPUC-adopted one for the utilities.

Marian Brown,  
Chair