

FINAL

**CALIFORNIA ENERGY COMMISSION
DEMAND ANALYSIS WORKING GROUP**

November 9, 2010

**Golden Gate Room
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA**

Dial-In
Participant code:

AGENDA

“A Celebration of Demand Forecasting” – presentations by the Energy Commission and large California utilities to discuss and compare their approaches to demand forecasting, including incorporation of demand-side resources.

- 10:00 Welcome and Introductions**
- 10:10 Subgroup Roundup (Discussion of Subgroup Activities to date, and other relevant information in their topic areas.)**
- Demand Forecasting Subgroup – Kavalec
 - 2011 Integrated Energy Policy Report (IEPR) -- Kavalec
 - Long Term Procurement Proceeding -- Skinner
 - Energy Savings Subgroup – Best
 - Status of CPUC 2010-2012 Evaluation Measurement & Verification -- Best
 - CPUC 2013+ Evaluation, Measurement & Verification – Tisdale
 - CPUC Energy Efficiency Potential and Goals studies -- Baker
- 10:30 Demand Forecasting at the California Energy Commission -- Kavalec**
- 11:30 Demand Forecasting at the Large California Utilities – Kavalec, Panel**
- LADWP – Cockayne
 - PG&E –
 - SDG&E – Schiermeyer, Vonder
 - SCE – Canning
 - SMUD -- TBD
- (See list of discussion topics at the end of this agenda.)
- 12:30 Lunch (on your own)**

- 1:30 Demand Forecasting at the Large California Utilities – Kavalec, Panel
(Continued)**
- **LADWP – Cockayne**
 - **PG&E – Redacted**
 - **SDG&E – Schiermeyer, Vonder**
 - **SCE – Canning**
 - **SMUD -- TBD**
- 2:30 Next Steps**
- Set date/agenda for next DAWG meeting
- 2:30 Main Meeting Adjourn**
- 2:45 Demand Forecasting Subgroup Special Session**
- 4:00 Special Session Adjourn**

DEMAND FORECASTING QUESTIONS FOR THE UTILITY PANEL

1. What is the basic methodology of your forecasting process?
Econometric, time-series, end-use, other
2. At what level of disaggregation is your forecast developed?
Sectors (residential, commercial, etc.), subareas in the service territory
3. What are the key drivers, and which data sources (source/vintage) are used for these?
Econ-demo, commercial floor space, etc.
4. How is peak demand estimated?
Separate peak model vs. converted from energy forecast
5. How are efficiency and distributed generation incorporated in the forecast?
Post-processed vs. parameterized in the models
6. How are efficiency and DG impacts estimated?
Efficiency/DG staff or forecaster developed
What historical period is used and which data are used to create the historical record?
How is measure decay handled?
7. Is there a distinction made between “committed” and “uncommitted” efficiency impacts in your forecast? If so, how is this distinction made and how is it handled in the forecast?
Is there a separate “uncommitted” forecast?
8. Is climate change incorporated in your forecast? If so, how?
9. Are separate forecasts made depending on planning purpose?
10. How is uncertainty incorporated in your forecast?
Scenario analyses, confidence intervals
11. Any plans for significant forecasting methodology changes in the next few years?
12. In what venues are the forecasts used? How do the forecasts affect procurement decisions?
13. What kinds of policy considerations affect the forecast? Are different forecasts produced for different policy or other uses?
14. How often are forecasts produced/what is the cycle? How long does it take to prepare each forecast or to complete a cycle?
15. How are losses handled?