

DEMAND ANALYSIS WORKING GROUP (DAWG)

Energy Savings Subgroup: Proposal for Statement of Purpose and Relevant Discussion Topics and Activities

Statement of Purpose

Provide a forum to share and discuss load impacts from energy efficiency, including historic, current and future accomplishments. Engage in particular with evaluation, measurement & verification (EM&V) activities wherein load impacts are reported and assembled. Programs implemented by investor-owned utilities and publicly owned utilities are of particular interest, as well as other statewide, federal and local initiatives likely to produce meaningful impacts. Work toward ensuring that a unit of load reduction in one venue is equivalent to a unit of load reduction from another venue and also comparable between energy efficiency and distributed generation.

(At this time, the proposed “Potential and Goals” subgroup will operate together with the Energy Savings subgroup. The purpose of the “Potential and Goals” subgroup is to discuss forecasting efforts aimed at estimating the impact or potential impact of load-modifying activities such as efforts to promote energy efficiency and distributed generation.)

Relevant Discussion Topics and Activities

1. Share updates on the status of EM&V activities, in particular those designed to measure load impacts from IOU, POU, statewide and other significant programs.
2. Discuss issues related to the interaction of savings claims between programs – both to address possible double-counting and to understand “market transformation/spillover” effects from multiple programs.
3. Plan for development and maintenance of a database of forecasted, reported and evaluated savings for all the state’s utilities (IOU and POU).
4. Provide periodic progress reports on agency efforts to quantify and standardize savings from standards and or programs.
5. Provide a forum for discussing and, where appropriate, coordinating activities such as goals and potential studies.

6. Address issues related to longitudinal program data collection and consistency of reported program impacts over time.
7. Discuss consistency of energy savings impacts (including baselines) across jurisdictions.
8. Address caveats to energy efficiency characterizations in 2009 IEPR and incremental-uncommitted energy efficiency report.
9. Metric for efficiency program peak savings. The CPUC MW goals for 2004-2013 are based on average peak savings over a "peak period" while peak savings in the incremental uncommitted analysis were estimated relative to the actual peak hour. Which convention should we use in the future?
10. Serve as the primary Subgroup "home" for, and interact with the Demand Forecasting subgroup (and Goals/Potential Subgroup if that launches separately from the Energy Savings Subgroup) on topics such as:
 - Measure decay
 - Macro-consumption metrics
 - Compilation of historical impacts
 - Behavioral impacts
 - Specification of "Total Market Gross" impact measurements, including:
 - Naturally occurring conservation
 - Net/gross savings
 - Quantification of load impacts from market transformation
 - Price effects
 - Takeback / rebound
 - Attribution of impacts to specific interventions or entities
 - Glossary of terms.