

**Demand Analysis Working Group (DAWG)
Energy Savings Subgroup**

**Tuesday December 17, 2013
10:00 am-4:00pm**

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

Meeting Link: Meeting Link: <http://demandanalysisworkinggroup.org/?p=940>

Webex:

<https://cadconsulting.webex.com/cadconsulting/j.php?ED=272014142&UID=1708591292&PW=NMTZmM2Q5YjE2&RT=MIM0>

Webex Password: dawg

Call in number: 866-740-1260

Code: 58-59-653#

Agenda

10-10:15 Introductions

10:15-11:00 Policy Context and Introduction to the Potential & Goals Study

11:00-12:00 Stakeholder comments that require a discussion to clarify

General Modeling Methodology **20 min**

Assuming all customers will install the highest efficiency measure is not a realistic depiction of true amount of energy efficiency remaining in the market, as it will increase customer costs, impacting cost effectiveness and economic potential. SCE

The reliance on dated information calls the results into question. IEP

Presentation/Report **10 min**

In the Executive Summary Table for All IOUs, are codes and standards included? If so, are the codes and standards on a net or gross basis? Sempra

Emerging Technologies **15 min**

There are additional emerging technologies that can be assessed in the Study. TURN/N
RDC
/ORA

15 min

Codes & Standards

We recommend that reasonable estimates for post-2016 CA building energy efficiency standards (Title 24 updates for 2019 and 2022) and future federal appliance standards be included in the Mid Case results of the potential study.	TURN/N RDC /ORA
12:00-1:00 Lunch	
1:00-3:00 Key policy issues to address on the record	
General Modeling Methodology	20 min
The Study assumes no improvement in the performance of future energy efficiency programs. Three factors are held constant: (1) consumer attitudes, (2) program efficacy and budget, and (3) program priorities. The Study should produce results that use reasonable estimates of program improvement over time.	TURN/N RDC/OR A
What is the disposition of the work papers used in the model, specifically in terms of timing? We would like a date that the work papers were locked down for modeling. Forecast should await outcome pending updates to DEER and consider adjusting forecast based on recent EMV study results.	Sempra
Ag & Industrial Sectors	1 hr
The lack of measure level specificity in the Industrial/Agricultural methodology creates uncertainty in validating the accuracy	SCE
Cost effectiveness of Industrial/Agricultural measures do not reflect current requirements and should not be used for goals calculations.	SCE
Industrial savings do not show effects of market saturation over time or the impact of future codes and standards.	SCE
SCE recommends that the study better account for measure decay rather than assuming savings refresh.	SCE
Does the model have different assumptions for deemed vs. custom measures, especially for the industrial sector? Can the model produce separate energy savings potentials for deemed and custom measures?	Sempra
Does the model have the flexibility to change gross realization rates for custom projects?	Sempra
Behavior Programs	20 min
The potential for behavior energy efficiency is more robust than the 5% of households characterized by the original analysis.	OPower
Behavior change, rather than efficiency improvements, is the primary driver of savings from home energy reports.	OPower

	Double-counting of joint upstream and downstream savings represents less than 5% of total savings from behavior programs.	OPower
	Multi-year persistence from these types of programs has been verified in multiple studies. The savings from behavior-change programs persist as long as the program is continued and a portion of the savings persist after reports are discontinued.	OPower
	Streetlighting	20 min
	SCE recommends reducing the street lighting potential by 80% due to ongoing cost effectiveness issues.	SCE
	PGE requests that the modeling be reviewed to ensure it accounts for street lights' ownership issue. LEDs will overtake induction lights much sooner than 2022	PG&E
3:00-4:00	Technical Issues to Discuss	
	General Modeling Methodology	15 min
	Measure inputs should reflect EE program savings limitations. Using the 2010-2012 data for a forecast is somewhat problematic as some of the top measures are no longer offered because of code changes that have forced them to become dual-baselined.	SCE & Sempra
	LEDs	20 min
	CEC quality standards for LED lighting are expected to lead increased efficacy and to higher costs than the current methodology predicts.	SCE
	Claimable EE savings will remain nearly flat as Manufacture LED efficiency efforts are diffused and focused on meeting Quality LED Standard requirements thus prolonging efforts to increasing efficacy and decreasing costs.	SCE
	Experience tells us that manufacturers tend not to increase efficacy significantly above the ENERGY STAR minimum specifications.	SCE