

CALIFORNIA ENERGY COMMISSION1516 Ninth Street
Sacramento, California 95814Main website: www.energy.ca.gov

In the matter of:) Docket No. 09-IEP-1C
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 Preparation of the) NOTICE OF STAFF WORKSHOP
 2009 Integrated Energy Policy Report)
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DOCKET 09-IEP-1C
DATE <u>May 21 2009</u>
RECD. <u>May 15 2009</u>

REVISED

Staff Workshop on Energy Efficiency Measurement and Attribution and Preliminary Peak Forecast

The California Energy Commission's (Energy Commission) Integrated Energy Policy Report (IEPR) Committee will hold a workshop to discuss two separate but related topics. First, the workshop will discuss ongoing refinements and progress made in the Energy Commission's electricity and natural gas forecasting process designed to improve the measurement of energy efficiency savings incorporated in the forecast. Second, the workshop will present Energy Commission staff's proposed 2010 peak demand forecast. Commissioner Jeffrey D. Byron is the Presiding Member and Vice Chair James D. Boyd is the Associate Member of the IEPR Committee. Other Commissioners from the Energy Commission or the California Public Utilities Commission (CPUC) may attend and participate in this workshop. The workshop will be held:

THURSDAY, MAY 21, 2009

9 a.m.

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street

First Floor, Hearing Room A

Sacramento, California

(Wheelchair Accessible)

Remote Attendance

Web Conferencing - Presentations and audio from the meeting will be broadcast via our WebEx web conferencing system. For details on how to participate via WebEx, please see the "Participation through WebEx" section at the end of this notice.

Purpose

This workshop will present information about ongoing refinements and progress made in the measurement and the attributable savings of energy efficiency in the Energy Commission's energy demand forecasts. Workshop topics include:

- Review of the challenges faced in measuring energy efficiency program savings and the attribution of these savings to various sources, including utility programs, building and appliance standards, and naturally occurring or market effects.
- Review of the work undertaken by the Demand Forecast Energy Efficiency Quantification Project (DFEEQP) working group, which supports methodology evaluation, clarification of concepts, and data collection related to energy efficiency savings.
- Discussion of availability of data to measure utility efficiency program impacts.
- Development of a consistent historical time series of efficiency program impacts.
- Discussion of the Energy Commission staff's progress in quantifying energy efficiency savings for the *2009 IEPR*.
- Comparison of the Energy Commission staff's approach to incorporating efficiency impacts with other approaches, such as utility econometric methodologies.
- Discussion of preliminary estimates of program impacts and their effect on the Energy Commission's demand forecast.

In addition, Energy Commission staff requests comments on the staff's proposed forecast of 2010 peak demand. Energy Commission staff will present their analysis of recent loads in the Pacific Gas and Electric (PG&E), Southern California Edison (SCE), San Diego Gas & Electric (SDG&E) areas of the California Independent System Operator (California ISO) territory, and their updated forecasts of 2010 peak demand for those areas. This forecast will serve as a reference case in the CPUC 2010 resource adequacy process and may affect commitment responsibilities for CPUC-jurisdictional load serving entities (LSEs). It may also be used by the California ISO for allocating import capabilities among LSEs in the California ISO territory. Energy Commission staff requests participation of the state's major utilities, including PG&E, SCE, SDG&E, Los Angeles Department of Water and Power, and Sacramento Municipal Utility District, as well as other interested parties in this workshop. Utilities are requested to comment on the Energy Commission staff's forecast and methods.

Before the workshop, staff will post a detailed agenda and other materials related to both of these topics on the Energy Commission's website at [www.energy.ca.gov/2009_energypolicy/index.html].

Background

The Energy Commission's demand forecasts are used in a variety of venues, including the CPUC long-term procurement and energy efficiency proceedings, transmission planning, and development and analysis of the impacts of efficiency strategies in the Assembly Bill 32 (Nuñez, Chapter 488, Statutes of 2006) greenhouse gas emission reduction proceedings.

The *2007 IEPR* identified the need to conduct a public process to determine an effective method to better measure the energy efficiency savings assumptions in the Energy Commission staff's demand forecast. To address this issue, Energy Commission staff developed a conceptual project plan that includes other entities such as the CPUC, Itron, and California utilities. This plan was presented in the *2008 IEPR Update* and discussed during an August 12, 2008 IEPR Committee workshop, and includes:

1. Develop a standardized taxonomy of terms encompassing all major concepts applying to efficiency potential studies and energy demand forecasts.
2. Organize and participate in a stakeholder working group designed to address technical efficiency issues and to develop consistent metrics for efficiency analysis across utilities and various agencies.
3. Review and compare the modeling methods, inputs, and data sources used in Commission forecasts of efficiency savings with the Itron Asset Model, a behaviorally-based model dedicated to measuring the impacts of efficiency programs. Compare interim savings estimates from the Energy Commission's demand forecast and Asset Model for selected programs given common sets of input and modeling assumptions.
4. Refine and improve the Energy Commission's forecasting models to allow more detailed and complete output of committed efficiency savings, defined as savings from programs that are either implemented or have approved funding.
5. Investigate potential alternative forecasting methodologies to improve analytical capability, particularly in the area of energy efficiency impact measurement and attribution.
6. Develop an uncommitted energy efficiency projection capability. Uncommitted savings are those reasonably expected to occur but not yet implemented or funded.

This workshop will focus on the progress made for items 2, 3, 4, and 6.

Written Comments

The staff will take comments at the workshop and in writing. The staff requests written comments on workshop topics be submitted by 5 p.m. on Monday, June 1, 2009. Please include the docket number 09-IEP-1C and indicate "Energy Efficiency Measurement and Attribution" in the subject line or first paragraph of your comments. Please hand-deliver or mail an original to:

California Energy Commission
Dockets Office, MS-4
Re: Docket No. 09-IEP-1C
1516 Ninth Street
Sacramento, CA 95814-5512

The Energy Commission encourages comments by e-mail. Please include your name or organization's in the name of the file. Those submitting comments by electronic mail should provide them in either Microsoft Word format or as a Portable Document File (PDF) to [docket@energy.state.ca.us]. **One paper copy** must also be sent to the Energy Commission's Docket Office.

Participants may also provide an original and ten copies at the beginning of the workshop. All written materials relating to this workshop will be filed with the Dockets Office and become part of the public record in this proceeding.

Public Participation

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission activities. If you want information on how to participate in this forum, please contact Elena Miller, Public Adviser, at (916) 654-4489 or toll free at (800) 822-6228, by FAX at (916) 654-4493, or by e-mail at [PublicAdviser@energy.state.ca.us]. If you have a disability and require assistance to participate, please contact Lou Quiroz at (916) 654-5146 at least five days in advance.

Please direct all news media inquiries to the Media Office at (916) 654-4989, or by e-mail at [mediaoffice@energy.state.ca.us]. Technical questions on the subject matter of this notice should be directed to Chris Kavalec at (916) 654-5184 or e-mail at [ckavalec@energy.state.ca.us]. For general questions regarding the IEPR proceeding, please contact Lynette Esternon Green, IEPR project manager, at (916) 653-2728 or by e-mail at [lesterno@energy.state.ca.us].

The service list for the *2009 IEPR* and associated key topic proceedings is handled electronically. Notices and documents for these proceedings are posted to the Energy Commission website at [www.energy.ca.gov/2009_energypolicy]. When new information

is posted, an e-mail will be sent to those on the energy policy e-mail list server. We encourage those who are interested in receiving these notices to sign up for the list server through the website [www.energy.ca.gov/listservers/index.html].

Participation through WebEx, the Energy Commission's on-line meeting service

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- Please go to [<https://energy.webex.com>] and enter the unique meeting number **924 235 099**
- When prompted, enter your information and the following meeting password **Meeting@9**
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Telephone Only (No Computer Access):

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If you have difficulty joining the meeting, please call the WebEx Technical Support number at 1-866-229-3239. Please be aware that the meeting's WebEx audio and on-screen activity may be recorded.

Mail Lists: energy policy

Note: The California Energy Commission's formal name is State Energy Resources Conservation and Development Commission.