

## DOCKETED

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<b>Project Title:</b>	Electricity Demand Forecast
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<b>Document Title:</b>	Notice of IEPR Commissioner Workshop on Methodological Improvements to the Energy Demand Forecast for 2017 and Beyond
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**CALIFORNIA ENERGY COMMISSION**

1516 Ninth Street  
Sacramento, California 95814

Main website: [www.energy.ca.gov](http://www.energy.ca.gov)



In the matter of,	)	Docket No. 16-IEPR-05
	)	
<i>2016 Integrated Energy Policy Report</i>	)	NOTICE OF WORKSHOP
<i>Update (2016 IEPR Update)</i>	)	
	)	RE: Methodological Improvements to
	)	the Energy Demand Forecast for
	)	2017 and Beyond

## Notice of IEPR Commissioner Workshop on Methodological Improvements to the Energy Demand Forecast for 2017 and Beyond

The California Energy Commission Lead Commissioner for the *2016 Integrated Energy Policy Report Update (2016 IEPR Update)* will conduct a workshop to discuss potential improvements to methodologies related to the energy demand forecast.

Commissioner Karen Douglas is the Lead Commissioner for the *2016 IEPR Update*. Other Commissioners at the Energy Commission and the California Public Utilities Commission (CPUC) may also attend and participate in the workshop. A quorum of Commissioners from the Energy Commission and/or the CPUC may be in attendance, but no votes will be taken. The workshop will be held:

**Thursday, June 23, 2016**  
10:00 AM  
CALIFORNIA ENERGY COMMISSION  
1516 Ninth Street  
First Floor, Rosenfeld Hearing Room  
Sacramento, California  
(Wheelchair Accessible)

Remote Access Available by Computer or Phone via WebEx™  
(Instructions below)

### Background

Public Resources Code Sections 25302(a) and (b) direct the Energy Commission to adopt an IEPR every odd-numbered year and in even-numbered years issue an energy policy review to update analyses from the previous IEPR or to raise energy issues that have emerged since the previous proceeding. As required by Senate Bill 1389 (Bowen, Chapter 568, Statutes of 2002), the Energy Commission conducts "assessments and forecasts of all

aspects of energy industry supply, production, transportation, delivery and distribution, demand and prices.” The Energy Commission uses these assessments and forecasts to provide an analytic foundation for developing energy policies that conserve resources, protect the environment, ensure energy reliability, enhance the state’s economy, and protect public health and safety.

The Energy Commission develops assessments and forecasts of the state’s electricity and natural gas markets, including statewide and regional electricity and natural gas demand, and incorporates factors leading to future demand growth, such as changes in economic activity, population growth, urban development, industrial expansion, energy intensity changes, and energy and environmental policies in these assessments. Long-range assessments of demand for grid-delivered power also need to account for effects of the complex interactions among many public policies such as energy efficiency, demand response, customer-side-of-the-meter distributed generation, and the electrification of the transportation sector.

## **Agenda**

Staff, utility representatives, and other stakeholders will discuss methodologies for forecasting photovoltaic adoption, developing weather normalized peak demand values, projecting peak hour load shifts, and forecasting hourly loads for implementation in the *2017 IEPR*.

### **Photovoltaic Adoption**

Energy Commission staff will discuss methodologies for forecasting photovoltaic adoption along with needs for supporting data. Discussion will center on what, if any, changes need to be made to the current methodology used by the Energy Commission.

### **Weather Normalization**

As part of the California Energy Demand Forecast, Energy Commission forecasting staff develops weather normalized peak demand estimates for each of the major utility service areas. Due to the occurrence of unusual or extreme weather, peak demand must be weather normalized to make appropriate comparisons with historical and future peak demand growth. Forecasting staff would like to develop a consensus on a weather normalization methodology to address dissimilarities in weather normalized peak values with utilities in previous forecasts.

### **Peak Shift**

Energy Commission staff will discuss modeling methodologies related to potential changes in peak hour forecasts brought about by photovoltaic adoption and other demand side modifiers. Utilities will present their methodologies as well.

### **Hourly Forecasting**

Energy Commission staff, along with the Energy Commission’s Expert Panel, will discuss the development of a model designed to project long-term hourly loads for use in the *2017 IEPR* demand forecast.

## Public Comment

**Oral Comments:** Commissioners will accept oral comments during the workshop. Public comments may be limited to three minutes or less per speaker. Any comments will become part of the public record in this proceeding.

**Written Comments:** Written comments should be submitted to the Dockets Unit by **5:00 p.m. on Thursday, July 7, 2016**. All written comments will become part of the public record of this proceeding.

**For the 2016 IEPR Update, the Energy Commission is using an electronic commenting system.** Visit the website at [http://www.energy.ca.gov/2016\\_energypolicy/](http://www.energy.ca.gov/2016_energypolicy/) and click on the “Submit e-Comment” link in the “Proceeding Information” box. From the drop down menu, please select the appropriate docket number. For this workshop, please select docket 16-IEPR-05-Electricity Demand Forecast.

This will take you to the page for adding comments to that docket. Please enter your contact information and comment title. Select the appropriate IEPR workshop date and “IEPR public comments” under “subject(s).” You may include comments in the box titled “Comment Text” or attach a file with your comments. Attached comments must be in a Microsoft® Word (.doc, .docx) or Adobe® Acrobat® (.pdf) formatted file.

The Energy Commission encourages use of its new electronic commenting system, but written comments may also be submitted by e-mailing them to the Dockets Office, or by U.S. Mail to:

California Energy Commission  
Dockets Office, MS-4  
Re: Docket No. 16-IEPR-05  
1516 Ninth Street  
Sacramento, CA 95814-5512

If you choose not to use the electronic filing system, please include the appropriate docket number on any e-mailed or written comments. Comments may be e-mailed to [docket@energy.ca.gov](mailto:docket@energy.ca.gov) and copy the technical lead, Chris Kavalec, by e-mail at [chris.kavalec@energy.ca.gov](mailto:chris.kavalec@energy.ca.gov).

Please note that your electronic, e-mailed, written and oral comments, attachments, and associated contact information (for example, address, phone, and e-mail) become part of the viewable public record. Additionally, this information may become available via Google, Yahoo, and other search engines.

## **Public Adviser and Other Commission Contacts**

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission proceedings. If you want information on how to participate in this forum, please contact the Public Adviser, Alana Mathews, by e-mail at [PublicAdviser@energy.ca.gov](mailto:PublicAdviser@energy.ca.gov) or (916) 654-4489, or toll free at (800) 822-6228.

If you have a disability and require assistance to participate, please contact Lou Quiroz by e-mail at [lou.quiroz@energy.ca.gov](mailto:lou.quiroz@energy.ca.gov) or (916) 654-5146 at least five days in advance.

Media inquiries should be sent to the Media and Public Communications Office by e-mail at [mediaoffice@energy.ca.gov](mailto:mediaoffice@energy.ca.gov) or (916) 654-4989.

If you have questions on the technical subject matter of this meeting, please contact:

- Technical Forecast Lead, Chris Kavalec, by e-mail at [chris.kavalec@energy.ca.gov](mailto:chris.kavalec@energy.ca.gov) or (916) 654-5184, or
- Forecaster, Cary Garcia, by e-mail at [cary.garcia@energy.ca.gov](mailto:cary.garcia@energy.ca.gov) or (916) 653-2922.

For general questions regarding the IEPR proceeding, please contact IEPR project manager, Raquel Kravitz, by e-mail at [raquel.kravitz@energy.ca.gov](mailto:raquel.kravitz@energy.ca.gov) or (916) 651-8836.

The service list for the *2016 IEPR Update* is handled electronically. Notices and documents for this proceeding are posted to the Energy Commission website at [www.energy.ca.gov/2016\\_energypolicy/](http://www.energy.ca.gov/2016_energypolicy/).

When new information is posted, an e-mail will be sent to those on the energy policy e-mail listserv. We encourage those who are interested in receiving these notices to sign up for the listserv through the website at [www.energy.ca.gov/listservers/index.html](http://www.energy.ca.gov/listservers/index.html). The listserv is titled "energypolicy."

## **Remote Attendance**

You may participate in this meeting through WebEx, the Energy Commission's online meeting service. Presentations will appear on your computer screen, and you may listen to the audio via your computer or telephone. Please be aware that the meeting may be recorded.

## To join a meeting:

VIA COMPUTER: Go to <https://energy.webex.com> and enter the unique meeting number: **924 186 283**. A password is not necessary to join the meeting.

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2. International Attendees: Click on the "Global call-in number" link.
3. To have WebEx call you: Enter your phone number and click "Call Me."
4. To listen over the computer: If you have a broadband connection, and a headset or a computer microphone and speakers, you may use VoIP (Internet audio) by going to the Audio menu, clicking on "Use Computer Headset," then "Call Using Computer."

VIA TELEPHONE ONLY (no visual presentation): Call (866) 469-3239 (toll-free in the U.S. and Canada). When prompted, enter the unique meeting number: **924 186 283**. International callers may select their number from <https://energy.webex.com/energy/globalcallin.php>.

VIA MOBILE ACCESS: Access to WebEx meetings is now available from your mobile device. To download an app, go to [www.webex.com/overview/mobile-meetings.html](http://www.webex.com/overview/mobile-meetings.html).

If you have difficulty joining the meeting, please call the WebEx Technical Support number at (866) 229-3239.

## Availability of Documents

Documents and presentations for this meeting will be available online at: [www.energy.ca.gov/2016\\_energy/policy/](http://www.energy.ca.gov/2016_energy/policy/).

Date: June 13, 2016



Karen Douglas  
Lead Commissioner  
*2016 Integrated Energy Policy Report Update*

Mail Lists: [energypolicy](#), [electricity](#)