

## DOCKETED

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**CALIFORNIA ENERGY COMMISSION**1516 Ninth Street  
Sacramento, California 95814Main website: [www.energy.ca.gov](http://www.energy.ca.gov)

In the matter of,	)	Docket No. 16-IEPR-01
	)	
<i>2016 Integrated Energy Policy Report Update</i>	)	NOTICE OF WORKSHOP:
<i>(2016 IEPR Update)</i>	)	
	)	RE: <i>Draft 2016 Integrated Energy</i>
	)	<i>Policy Report Update</i>

## **Workshop on the Draft 2016 Integrated Energy Policy Report Update**

Commissioner Karen Douglas, the California Energy Commission's Lead Commissioner for the *Integrated Energy Policy Report (IEPR)*, will conduct a workshop to receive public comments on the *Draft 2016 Integrated Energy Policy Report Update (Draft 2016 IEPR Update)*. A quorum of Commissioners from the Energy Commission may attend but no votes will be taken.

**MONDAY, OCTOBER 24, 2015**  
10:00 a.m.  
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 Section 25301 requires the Energy Commission to prepare an *IEPR* every two years that includes assessments and forecasts of all aspects of energy industry supply, production, transportation, delivery and distribution, demand, and prices. (This work is conducted on odd numbered years and was most recently completed for the *2015 IEPR*.) The Energy Commission uses these assessments and forecasts to develop energy policies that conserve resources, protect the environment, ensure energy reliability, enhance the state's economy, and protect public health and safety.

The *2016 IEPR Update* reflects the requirement in Senate Bill 1389 (Bowen and Sher, Chapter 568, Statutes of 2002) that the Energy Commission provide a progress report on issues raised in the biennial *IEPR* or identify new energy issues that have arisen

during the intervening year (Public Resources Code, Section 25302, Subd. (d)). SB 1389 also directs state government entities to use the information and analyses contained in the adopted *IEPR* to carry out their energy-related duties and responsibilities. During this *IEPR* proceeding, the Energy Commission has coordinated closely with other agencies to ensure consistency in the underlying information used to develop this report.

The IEPR Lead Commissioner issued a scoping order on March 28, 2016, that identified topics that would be covered in the report. The Energy Commission held 10 public workshops between April and August 2016 on a variety of topics including:

- The *2016 Draft Environmental Performance Report of California's Electrical Generating System* assessing changes in the electricity sector over the last decade.
- Actions needed to maintain energy reliability in Southern California given constrained operating conditions after the major natural gas leak at the Aliso Canyon storage facility.
- Electricity reliability in Southern California in consideration of the 2013 permanent closure of the San Onofre Nuclear Generation Station (San Onofre) and the closure of natural gas facilities that used once-through cooling technologies.
- Offshore renewable energy as an emerging technology.
- Efforts to account for climate change in planning and decision making.
- Methane emissions from the natural gas system.
- Improvements needed to the electricity demand forecast for 2017 and beyond.

One more workshop is planned in December 2016 on the update to the electricity demand forecast.

Executive Order B-30-15 laid out Governor Edmund G. Brown Jr.'s goal to reduce greenhouse gas emissions 40 percent below 1990 levels by 2030. On September 8, 2016, the Governor signed Senate Bill 32 (Pavley, Chapter 249, Statutes of 2016), putting the 2030 greenhouse gas reduction goal into statewide law. California has made tremendous progress over the last decade in transforming its electricity sector to reduce greenhouse gas emissions and must carry this progress forward to transform California's entire energy system. At the same time, California must maintain energy reliability and contain costs. The *2016 IEPR Update* explores how California's energy system is transitioning to achieve the state's aggressive greenhouse gas emission reduction goals.

All workshop documents including, the *Draft 2016 IEPR Update*, agendas, transcripts, background documents, presentations, and public comments, are available at: [http://www.energy.ca.gov/2016\\_energypolicy/documents/index.html](http://www.energy.ca.gov/2016_energypolicy/documents/index.html).

## Agenda

This workshop will solicit public comments on the *Draft 2016 IEPR Update*. Energy Commission staff will present an overview of the report, followed by an opportunity for public comments. Specific topics in the *2016 IEPR Update* include:

- **Advancements in the Environmental Performance of California's Electricity Sector over the Last Decade**– California's greenhouse gas emissions reduction policies, as well as related policies such as the state's Renewables Portfolio Standard, the Emission Performance Standard, the phase-out of electricity generation facilities using once-through cooling, and an increase of smaller and community-based distributed energy resources have resulted in very significant changes to the state's electricity generation system. The *2016 IEPR Update* reviews these changes and effects on the environmental performance of the generation system. It also discusses transformative technologies and approaches that may support California's greenhouse gas emissions reduction goals and reduce environmental impacts from renewable resources, as well as landscape-scale planning efforts for both generation and transmission and climate adaptation. The *2016 IEPR Update* also discusses nuclear decommissioning issues associated with the closure of San Onofre and the planned closure of Diablo Canyon Power Plant.
- **Maintaining Energy Reliability in Southern California**– In the past few years, California has suffered two major disruptions to its aging energy infrastructure that have tested the state's abilities to provide reliable energy services to Southern California – the closure of the San Onofre Nuclear Generation Station and the leak at the Aliso Canyon natural gas storage facility. Californians expect a reliable energy supply; energy supply disruptions can put public health and safety at risk and have consequences to local businesses and the economy as a whole.

The most recent disruption stems from the massive leak at the Aliso Canyon Natural Gas Storage Facility in late 2015 that severely disrupted the local community and continues to put the energy reliability of the area at risk. The *2016 IEPR Update* reviews the state's action plans to reduce the risk of disruption of energy services. The second ongoing risk to energy reliability in Southern California stems from the closure of San Onofre and several natural gas facilities along the Southern California coast as part of the phase-out of once-through cooling technologies. A multi-year, joint agency effort has been closely tracking the development of resources needed to assure reliability in the area, including preferred resources (such as energy efficiency, demand response, distributed renewable energy generation, and energy storage), transmission additions, and conventional generation.

- **Planning Efforts to Improve California's Resiliency to Climate Change**– California's climate is changing, requiring action to make California more resilient. Changes such as higher temperatures that increase summer demand for cooling, reduced snowpack that affect hydropower availability, rising sea level, and increased wildfire risk must be factored into energy planning. This is consistent with Governor Brown's Executive Order B-30-15 that mandates expansion of state adaptation efforts, with the goal of making the anticipation and consideration of climate change a routine part of planning. The *2016 IEPR*

*Update* describes the Energy Commission's strategy to inform climate adaptation efforts by identifying a set of common climate and sea level rise scenarios for use in energy infrastructure planning.

- **Improvements Needed to the Electricity Demand Forecast**– The energy demand forecast informs infrastructure planning decisions such as the need for additional energy resources or transmission that can have long-term implications for the state's greenhouse gas emissions. The Energy Commission updates its electricity demand forecast in updates to the *IEPR* as part of improved process alignment between the Energy Commission, California Public Utilities Commission, and the California Independent System Operator. In this *IEPR Update*, the Energy Commission also explores changes needed to the forecast methodology to better reflect the evolving energy system associated with, for example, increases in distributed energy resources, energy efficiency, and zero-emission vehicle charging. Efforts to begin to address these issues this year lay the groundwork for revisions to the Energy Commission's forecast in the *2017 IEPR* and beyond.

The Lead Commissioner will consider all appropriately submitted oral and written comments, and will then release a proposed *Final 2016 IEPR Update* in late January 2017 to be considered for adoption by the Energy Commission at its February 2017 business meeting.

## Public Comment

**Oral Comments:** Staff will accept oral comments during the workshop. Comments may be limited to three minutes per speaker. All oral comments will become part of the public record of this proceeding.

**Written Comments:** Written comments should be submitted to the Dockets Unit by **5:00 p.m. on Monday, November 7, 2016**. All written comments will become part of the public record of this proceeding. Additionally, written comments may be posted to the Energy Commission's website.

**For the 2016 IEPR Update, the Energy Commission is using a new electronic commenting system.** Visit the website at [http://www.energy.ca.gov/2016\\_energypolicy/index.html](http://www.energy.ca.gov/2016_energypolicy/index.html) and click on the "**Submit e-Comment**" link in the "Proceeding Information" box. From the drop down menu, please select docket "**16-IEPR-01 – General/Scope.**"

This will take you to the page for adding comments to that docket. Please enter your contact information and comment title. Select "IEPR 2016-10-24 Workshop" 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 the use of its 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. 15-IEPR-01  
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). Please copy the program manager, Heather Raitt, by e-mail at [Heather.Raitt@energy.ca.gov](mailto:Heather.Raitt@energy.ca.gov). Please note that your electronic, e-mailed, written, and oral comments, attachments, and associated contact information (e.g., 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 Poneh Jones by e-mail at [poneh.jones@energy.ca.gov](mailto:poneh.jones@energy.ca.gov) or (916) 654-4425 at least five days in advance of the meeting.

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.

For technical questions about the subject matter of this notice, please contact Heather Raitt by e-mail at [Heather.Raitt@energy.ca.gov](mailto:Heather.Raitt@energy.ca.gov) or (916) 654-4735. For general questions regarding the IEPR proceeding, please contact Raquel Kravitz, IEPR project manager, 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 [http://www.energy.ca.gov/2016\\_energypolicy/index.html](http://www.energy.ca.gov/2016_energypolicy/index.html). 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 serve through the website [www.energy.ca.gov/listservers/index.html](http://www.energy.ca.gov/listservers/index.html).

### **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.

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VIA COMPUTER: Go to <https://energy.webex.com> and enter the unique meeting number: **923 205 234**. A password is not necessary to join the meeting.

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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: **923 205 234**. 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: [http://www.energy.ca.gov/2016\\_energy\\_policy/documents/index.html](http://www.energy.ca.gov/2016_energy_policy/documents/index.html)

Date: October 7, 2016



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KAREN DOUGLAS  
Lead Commissioner  
2016 Integrated Energy Policy Report Update

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