

<b>DOCKETED</b>	
<b>Docket Number:</b>	19-IEPR-03
<b>Project Title:</b>	Electricity and Natural Gas Demand Forecast
<b>TN #:</b>	229713
<b>Document Title:</b>	Notice of IEPR Commissioner Workshop on Emerging Trends for the California Energy Demand Forecast
<b>Description:</b>	Thursday, September 26, 2019 10:00 AM Warren-Alquist State Energy Building Art Rosenfeld Hearing Room, First Floor 1516 Ninth Street, Sacramento, California 95814
<b>Filer:</b>	Raquel Kravitz
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
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**CALIFORNIA ENERGY COMMISSION**

1516 Ninth Street  
 Sacramento, California 95814

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

CEC-70 (Revised 06/18)



In the matter of:  <i>2019 Integrated Energy Policy Report                  (2019 IEPR)</i>  _____	) Docket No. 19-IEPR-03 ) ) NOTICE OF WORKSHOP ) ) RE: Emerging Trends for the ) California Energy Demand Forecast
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**Notice of IEPR Commissioner Workshop on  
 Emerging Trends for the  
 California Energy Demand Forecast**

The lead commissioner for the *2019 Integrated Energy Policy Report (2019 IEPR)*, Vice Chair Janea A. Scott will host a workshop to present the emerging trends for the *California Energy Demand Forecast*.

A quorum of commissioners may participate, but no votes will be taken.

**Thursday, September 26, 2019**

10:00 AM

Warren-Alquist State Energy Building  
 Art Rosenfeld Hearing Room, First Floor  
 1516 Ninth Street, Sacramento, California 95814  
 (Wheelchair Accessible)

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**Agenda**

There will be presentations and facilitated discussion by California Energy Commission (CEC) staff, utilities, state partners, and stakeholders. Presentations and discussion will focus on emerging issues that may impact the energy demand forecast. Topics will include building and transportation electrification, energy system planning and forecasting, behind the meter energy storage, additional achievable energy efficiency, and community choice aggregators.

A detailed meeting schedule will be posted before the workshop at [http://www.energy.ca.gov/2019\\_energy\\_policy/](http://www.energy.ca.gov/2019_energy_policy/).

## Background

The California Energy Commission (CEC) continuously assesses new, evolving, and emerging trends in state energy demand. Several trends, such as building electrification, transportation electrification, changing mobility patterns, and the proliferation of Community Choice Aggregators (CCAs), impact forecasting methodology and inputs that are essential to ensure that the *California Energy Demand Forecast* reflects the state's evolving energy sector.

As part of the *Intergrated Energy Policy Report (IEPR)* process, the CEC produces annual, hourly, and peak electricity demand forecasts. These forecasts are used in various energy resource and infrastructure planning proceedings, including the California Public Utilities Commission's (CPUC's) Integrated Resource Planning (IRP) process and the California Independent System Operator's (California ISO's) Transmission Planning Process (TPP). The *IEPR* forecast consists of a baseline forecast, which includes impacts from existing demand modifying programs and standards, and potential impacts from future programs, policies and standards that are reasonably likely to occur - described as being "additional achievable." In the 2019 *IEPR* forecast, the CEC is updating the additional achievable energy efficiency (AAEE) savings analysis.

At an August 15, 2019, public workshop, CEC staff proposed a framework to develop possible AAEE savings scenarios. That same day, the CPUC adopted new goals for investor-owned utility (IOU) programs, which represent a significant portion of potential savings. CEC staff are constructing AAEE scenario definitions that reflect many of the assumptions underlying the CPUC's newly adopted targets.

Also at the August 15, 2019, public workshop, CEC staff recognized that state decarbonization policy, such as [Assembly Bill 3232](#) and [Senate Bill 1477](#), may translate into a significant level of building electrification. CEC staff suggested that the "additional achievable" framework may be suitable to reflect fuel substitution impacts in the *IEPR* demand forecast. While these scenarios will not be developed for the 2019 *IEPR* forecast, CEC staff would like to engage stakeholders to discuss data and analytic requirements for this analysis.

Like building electrification, state policy is promoting transportation electrification, which represents a potentially significant new source of electricity demand in California. Due to changing mobility trends like ride-sharing, autonomous vehicles, and urban densification, the way people and goods move throughout the state will look much different in the future. CEC staff must begin to reflect an evolving transportation sector in the *Transportation Energy Demand Forecast*, which forecasts transportation fuel demand. As electricity becomes a more common form of transportation fuel, forecasting where, when, and how long cars and trucks will charge becomes more critical to electricity system forecasting and planning.

Additionally, CCAs continue to form throughout the state. In 2018, ten new CCAs began offering electricity service to customers, which doubled total CCA load to 13 percent

within IOU service territories. This rapid departure of IOU customers to CCAs has implications for a number of regulatory processes that use the *IEPR* demand forecast, prompting CEC staff to consider developing a forecast of load departing from IOUs to CCAs. Through the CPUC's Resource Adequacy program, the CEC has good visibility into likely year-ahead departures. A longer-term forecast would require either a scenario-based or a probabilistic modeling effort. Evaluating the pros and cons of any particular approach requires first understanding stakeholder needs.

## **Public Comment**

**Oral Comments:** Commissioners will accept oral comments at the end of the workshop. Public comments may be limited to three minutes or less per speaker and to one person per organization. If participating via WebEx, use the "raise hand feature" so the administrator can introduce you and unmute your microphone after comments from the floor.

**Written comments.** Written comments must be submitted to the Docket Unit by **5:00 p.m. on October 10, 2019.**

Written and oral comments, attachments, and associated contact information (including address, phone number, email address) will become part of the public record of this proceeding with access available via any Internet search engine.

**For the 2019 *IEPR*, the CEC encourages use of its electronic commenting system.** Visit

<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=19-IEPR-03>, which links to the comment page for this docket. Enter your contact information and a comment title describing the subject of your comment(s). Comments may be included in the "Comment Text" box or attached as a downloadable, searchable in Microsoft® Word (.doc, .docx) or Adobe® Acrobat® (.pdf) file. Maximum file size is 10 MB.

Written comments may also be submitted by email or mail if you choose not to use the electronic filing system. Include the docket number **19-IEPR-03** and **Emerging Trends for the California Energy Demand Forecast** in the subject line and send to [docket@energy.ca.gov](mailto:docket@energy.ca.gov).

If preferred, a paper copy may be sent to:

California Energy Commission  
Docket Unit, MS-4  
Re: Docket No. 19-IEPR-03  
1516 Ninth Street  
Sacramento, California 95814-5512

## **Public Advisor and Other Commission Contacts**

The Public Advisor's Office provides the public assistance in participating in CEC proceedings. For information on how to participate in this forum, please contact Acting

Public Advisor, Jennifer Martin Gallardo, at [publicadvisor@energy.ca.gov](mailto:publicadvisor@energy.ca.gov) (916) 654-4489, or toll free at (800) 822-6228.

Please direct requests for reasonable accommodation to Yolanda Rushin at [yolanda.rushin@energy.ca.gov](mailto:yolanda.rushin@energy.ca.gov) or (916) 654-4310 at least five days in advance.

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

Questions on the technical subject matter of this meeting, should be directed to Nick Fugate at [nick.fugate@energy.ca.gov](mailto:nick.fugate@energy.ca.gov) or (916) 654-4219.

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

## **Remote Attendance**

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4. For Internet audio: If you have a broadband connection, a headset, or a computer microphone and speakers, you may use VoIP (Internet audio). Go to the audio menu and click "Use Computer Headset," then "Call Using Computer."

**Via Telephone Only:** (no visual presentation): Dial 1-866-469-3239 (toll-free in the U.S. and Canada) and when prompted, enter the Event Number (from above). International callers may select a number from <https://energy.webex.com/energy/globalcallin.php>.

**Via Mobile Device:** Download the application from [www.webex.com/products/web-conferencing/mobile.html](http://www.webex.com/products/web-conferencing/mobile.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 [https://www.energy.ca.gov/2019\\_energypolicy/documents/](https://www.energy.ca.gov/2019_energypolicy/documents/) or <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-IEPR-03>.

When new information is posted, an email will be sent to those on the energypolicy listserv. Those interested in receiving these notices can subscribe in the lower right corner at [http://www.energy.ca.gov/2019\\_energypolicy/](http://www.energy.ca.gov/2019_energypolicy/), or alternatively manage existing listservs or sign up for others here [https://www.energy.ca.gov/listservers/index\\_cms.html](https://www.energy.ca.gov/listservers/index_cms.html).

Dated: Tuesday, September 10, at Sacramento, California

Original signed by:

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Janea A. Scott  
Vice Chair  
*2019 Integrated Energy Policy Report*

Mail Lists: energypolicy, electricity, natural gas, transportation