| **DOCKETED** |
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| **Description:** | Thursday, September 26, 2019 10:00 AM  
Warren-Alquist State Energy Building  
Art Rosenfeld Hearing Room, First Floor  
1516 Ninth Street, Sacramento, California 95814 |
| **Filer:** | Raquel Kravitz |
| **Organization:** | California Energy Commission |
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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_energypolicy/.
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 Integrated 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.

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 (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 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 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 or (916) 654-4219.

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

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**Availability of Documents**

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/, or alternatively manage existing listservs or sign up for others here 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

Mail Lists: energypolicy, electricity, natural gas, transportation