

## DOCKETED

<b>Docket Number:</b>	18-EVI-01
<b>Project Title:</b>	California Plug-in Electric Vehicle Infrastructure Projections
<b>TN #:</b>	223297
<b>Document Title:</b>	Notice of Staff Workshop - California Plug-In Electric Vehicle Infrastructure Projections 2017-2025
<b>Description:</b>	Date of Workshop: Wednesday, May 23, 2018
<b>Filer:</b>	Jessica Martinez
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	4/30/2018 3:00:44 PM
<b>Docketed Date:</b>	4/30/2018



In the matter of:	)	Docket No. 18-EVI-01
	)	
California Plug-In Electric Vehicle	)	WORKSHOP
Infrastructure Projections: 2017-2025	)	RE: California Plug-In Electric Vehicle
	)	Infrastructure Projections: 2017-2025

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## Notice of Staff Workshop: California Plug-In Electric Vehicle Infrastructure Projections: 2017-2025

California Energy Commission staff will conduct a public workshop to discuss the staff report, [California Plug-In Electric Vehicle Infrastructure Projections: 2017-2025, Future Infrastructure Needs for Reaching the State's Zero-Emission Vehicle Deployment Goals](#)<sup>1</sup>. This report analyzes plug-in electric vehicle infrastructure needs (for both battery-electric and plug-in hybrid electric vehicles) in California from 2017 to 2025. Using 2010-2012 California Household Travel Survey data and light-duty vehicle deployment scenarios, the analysis addresses two primary objectives: 1) enable travel for battery-electric vehicles and 2) maximize electric vehicle miles traveled for plug-in hybrid electric vehicles. The proposed infrastructure solutions can promote market growth in support of Governor Edmund G. Brown's Executive Order B-48-18, which calls for the construction and installation of 250,000 zero-emission vehicle (ZEV) chargers, including 10,000 direct current fast chargers, by 2025.

Commissioners or their staff may attend and participate in the workshop.

**Wednesday, May 23, 2018**  
9:30 a.m. to 5:00 p.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)

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<sup>1</sup> <http://www.energy.ca.gov/altfuels/2017-ALT-01/documents/>

## Background

Transforming California's transportation system to consist primarily of ZEVs that use low-carbon and renewable fuels is critical to reducing the impacts of climate change and meeting federal requirements to improve air quality. The transportation sector represents the largest source of air pollution in California, accounting for nearly 80 percent of the nitrogen oxide emissions and 90 percent of diesel particulate matter emissions. As of 2015, transportation, including indirect emissions from fossil fuel production and refining, accounted for nearly half of the greenhouse gas emissions in California. Specifically, direct fuel combustion emissions from light-duty vehicles accounted for 26 percent of the state's carbon footprint.

California energy policies and vehicle regulations have prioritized a drastic reduction of vehicle emissions to reduce harm to human health and the risks of climate change. In 2012, Governor Brown issued Executive Order B-16-2012, which called for the deployment of 1.5 million ZEVs and easy access to ZEV infrastructure in California by 2025. Currently, California has over 14,000 public chargers at more than 4,200 sites.

[California Plug-In Electric Vehicle Infrastructure Projections: 2017-2025, Future Infrastructure Needs for Reaching the State's Zero-Emission Vehicle Deployment Goals](#) quantifies the current and future charging infrastructure necessary to attain California's near-term transportation electrification goals also identified in Governor Brown's [Executive Order B-48-18](#), signed on January 26, 2018, "to spur the construction and installation of 250,000 electric vehicle chargers, including 10,000 direct current fast chargers."

This staff workshop will:

- Present the methods, analyses, and findings from the Energy Commission and National Renewable Energy Laboratory Electric Vehicle Infrastructure Projection ("EVI-Pro") modeling efforts.
- Facilitate an expert panel discussion on the use of infrastructure models.
- Permit stakeholders to provide public comment on the staff report.
- Seek feedback on public engagement with the EVI-Pro Web Portal and the development of future scenario analyses.

## Public Comment

**Oral comments:** Staff will accept oral comments during the workshop. Any comments may become part of the public record in this proceeding.

**Written comments:** Written comments are highly encouraged. Please send comments to [Kadir.Bedir@energy.ca.gov](mailto:Kadir.Bedir@energy.ca.gov), include your name and organization name in the email(s) containing your written comment(s), and indicate "EVI-Pro Report Comments" in the subject line. Comments should be in a downloadable, searchable format such as the body of an email or a Microsoft® Word (.doc) or Adobe® Acrobat® (.pdf) document.

Written comments following the workshop shall be sent no later than **5:00 p.m. on June 8, 2018**. Stakeholders' written comments may be posted to the Energy Commission's website. Please note that your written and oral comments, attachments, and associated contact information (your address, phone number, email, etc.) become part of the viewable public record. This information may become available via Google, Yahoo, and any other search engines.

The Energy Commission encourages use of its electronic commenting system. Visit the website at <https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=18-EVI-01>

This will take you to the page for adding comments to this docket. Please enter your contact information, any organization name, and a comment title describing the subject of your comments. You may include comments in the box titled "Comment Text" or attach a file in a downloadable, **searchable format** in Microsoft® Word (.doc, .docx) or Adobe® Acrobat® (.pdf). Maximum file size is 10 MB.

Written comments may also be submitted by e-mailing them (include the docket number 18-EVI-01 and *California Plug-in Electric Vehicle Infrastructure Projections* in the subject line) to the Docket Unit at:

[docket@energy.ca.gov](mailto:docket@energy.ca.gov)

If you prefer, you may send a paper copy of your comments to:

California Energy Commission  
Docket Unit, MS-4  
Re: Docket No. 18-EVI-01  
1516 Ninth Street  
Sacramento, CA 95814-5512

## **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, 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 at [poneh.jones@energy.ca.gov](mailto:poneh.jones@energy.ca.gov) or (916) 654-4425 at least five days in advance.

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

If you have questions on the subject matter of this meeting, please contact Kadir Bedir at [Kadir.Bedir@energy.ca.gov](mailto:Kadir.Bedir@energy.ca.gov) or (916) 654-4466.

## 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 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: **923 690 565**. When prompted, please enter your name. This meeting does not require a password.

The “Join Conference” menu will offer you a choice of audio connections:

1. To call into the meeting: Select "I will call in" and follow the on-screen directions.
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." If you are on an extension, use option 1, above.
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 1-866-469-3239 (toll-free in the U.S. and Canada). When prompted, enter the unique meeting number: **923 690 565**. International callers may select their number from <https://energy.webex.com/energy/globalcallin.php>

VIA MOBILE ACCESS: Access to WebEx meetings is available from your mobile device. To download an app, go to [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.

### Muting

We greatly appreciate your cooperation in reducing unwanted noise on the audio connection by muting your line when you are not speaking. Mute your line rather than placing your phone on hold. Using WebEx, you may mute yourself by right clicking on your name in the panelists or attendees list and selecting ‘Mute’. If you are only using a telephone connection, press “\*6” once to mute and again to unmute.

## Availability of Documents

Documents and presentations for this meeting will be available online:  
<http://www.energy.ca.gov/altfuels/notices/index.html>

### Mail Lists:

Altfuels, Transportation

## CEC Staff Workshop: California Plug-In Electric Vehicle Infrastructure Projections: 2017-2025

May 23, 2018

### PROPOSED AGENDA

Time	Topic
9:30 a.m. – 10:00 a.m.	<b>Welcome &amp; Introductions</b> (Lead Commissioner Janea Scott and Fuels & Transportation Division staff)
10:00 a.m. – 10:50 a.m.	<b>California Plug-In Electric Vehicle Infrastructure Projections: 2017-2025 Report</b> (Energy Commission & National Renewable Energy Laboratory staff)
11:00 a.m. – 11:50 a.m.	Public Discussion (Moderator: Mike Nicholas, ICCT)
11:50 a.m. – 1:00 p.m.	Lunch Break
1:00 p.m. – 1:50 p.m.	<b>Local Infrastructure Siting Models</b> (Moderator: Nicole Dolney, Branch Chief, Transportation Planning, California Air Resources Board, Panelists: TBA)
1:50 p.m. – 2:20 p.m.	Public Discussion (Moderator: Energy Commission staff)
2:30 p.m. – 3:20 p.m.	<b>Emerging Methods to Collect Data</b> (Moderator: Annalisa Schilla, Manager, Climate Action & Research Planning, California Air Resources Board, Panelists: TBA)
3:20 p.m. – 3:50 p.m.	Public Discussion (Moderator: Energy Commission staff)
4:00 p.m. – 4:30 p.m.	<b>Closing &amp; Next Steps</b>

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California Plug-In Electric Vehicle Infrastructure Projections: 2017-2025**

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