

DOCKETED	
Docket Number:	20-IEPR-02
Project Title:	Transportation
TN #:	234063
Document Title:	Notice of Commissioner Workshop on Plug-in Electric Vehicle Charging Infrastructure
Description:	*** This Document Supersedes TN 233985 *** - Tuesday, August 4, 2020 at 10:00 a.m. for Session 1 and 2:30 p.m. for Session 2. - Thursday, August 6, 2020 at 10:00 a.m. for Session 3 and 2:30 p.m. for Session 4.
Filer:	Raquel Kravitz
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	7/30/2020 12:52:55 PM
Docketed Date:	7/30/2020

CALIFORNIA ENERGY COMMISSION1516 Ninth Street
Sacramento, California 95814Main website: www.energy.ca.gov

CEC-70 (Revised 09/19)



In the matter of:)	Docket No. 20-IEPR-02
)	
<i>2020 Integrated Energy Policy Report Update</i>)	NOTICE OF REMOTE ACCESS
<i>(2020 IEPR Update)</i>)	WORKSHOP
)	
)	RE: Plug-in Electric Vehicle
)	Charging Infrastructure
)	

Notice of Commissioner Workshop on Plug-in Electric Vehicle Charging Infrastructure

The California Energy Commission (CEC) will conduct a workshop to discuss plug-in electric vehicle (PEV) charging infrastructure. The workshop is part of the CEC's 2020 Integrated Energy Policy Report Update (2020 IEPR Update) proceeding.

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

The workshop will be held remotely, consistent with Executive Orders N-25-20 and N-29-20 and the recommendations from the California Department of Public Health to encourage physical distancing to slow the spread of COVID-19. The public is able to participate and observe the workshop consistent with the direction in these Executive Orders. Instructions for remote participation are provided below.

The workshop will be held in four sessions over two days as follows:

Tuesday, August 4, 2020

- [10:00 AM: Session 1 – Engagement and Outreach for Enhancing Charging Infrastructure](https://energy.zoom.us/j/96647108763?pwd=RzUzV1FhSldRVTZwUnF2SytXV2tkUT09)
(<https://energy.zoom.us/j/96647108763?pwd=RzUzV1FhSldRVTZwUnF2SytXV2tkUT09>)
Webinar ID: **966 4710 8763** Webinar Password: **IEPR2020**
- [2:30 PM: Session 2 – Charging Infrastructure Technology and Markets](https://energy.zoom.us/j/99259506155?pwd=bDFZczRVOU13em5QNngrQ2c3TVJOdz09)
(<https://energy.zoom.us/j/99259506155?pwd=bDFZczRVOU13em5QNngrQ2c3TVJOdz09>)
Webinar ID: **992 5950 6155** Webinar Password: **IEPR2020**

Thursday, August 6, 2020

- [10:00 AM: Session 3 – Modeling and Projecting Charging Infrastructure](https://energy.zoom.us/j/99969292505?pwd=NmI0OU1oQzcxZWZlpXRTIYWIZtV3ZuUT09)
(<https://energy.zoom.us/j/99969292505?pwd=NmI0OU1oQzcxZWZlpXRTIYWIZtV3ZuUT09>)
Webinar ID: **999 6929 2505** Webinar Password: **IEPR2020**

- [2:30 PM: Session 4 – Examining Needs for Infrastructure Development](https://energy.zoom.us/j/93356130374?pwd=OEhaWko2SVJxSEhQII5ZGs2MTVIQT09)
(<https://energy.zoom.us/j/93356130374?pwd=OEhaWko2SVJxSEhQII5ZGs2MTVIQT09>)

Webinar ID: **933 5613 0374** Webinar Password: **IEPR2020**

Remote Access Only - Remote access is available by both internet or call-in options via [Zoom at https://zoom.us/](https://zoom.us/).™ For details, see the “Remote Attendance” section toward the end of this notice.

Agenda

This workshop will focus on the status of PEV charging infrastructure.

Session 1 will examine ways to improve charging infrastructure planning and modeling efforts in conjunction with community engagement to ensure equitable access. The session’s panel will place specific emphasis on effective collaboration and consultation with disadvantaged communities.

Session 2 will be a series of presentations looking at technology trends in charging infrastructure and their role in accelerating PEV adoption.

Session 3 will be a series of presentations on modeling of charging infrastructure needs throughout the state for various vehicle types (for example, light-, medium-, or heavy-duty) and trip duration categories (for example, short trips or long trips).

Session 4 will be a panel discussion expanding on the presentations in Session 3. It will include a few additional short presentations and a combined panel discussion around existing and future needs for charging infrastructure.

Panelists and presenters for the sessions will include individuals from CEC staff, community-based organizations, partnering state and local agencies, national laboratories, universities, other non-governmental organizations, and electric vehicle service equipment manufacturers.

A detailed meeting schedule will be posted prior to the workshop at the [2020 IEPR Update Workshops, Notices, and Documents](https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update-0) page, <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update-0>.

Background

The transportation sector remains the largest contributor to greenhouse gas (GHG) emissions in the state. With the exception of recent events around the COVID-19 crisis, this sector has not seen a decline in emissions in recent years.

PEVs have lower life cycle emissions compared to traditional internal combustion engine vehicles. However, their refueling process is different and requires electrical infrastructure for charging. So where there are plans to increase PEVs, charging infrastructure must also be addressed.

Several state policies address PEVs and related charging infrastructure:

- Assembly Bill 32 (Nunez, Chapter 488, Statutes of 2006) requires the California Air Resources Board (CARB) to develop a scoping plan to reduce emissions. CARB's *California's 2017 Climate Change Scoping Plan* emphasizes reducing GHG emissions from transportation as a primary objective, including PEVs.
- Assembly Bill 2127 (Ting, Chapter 365, Statutes of 2018) requires the CEC to work with CARB and California Public Utilities Commission to prepare a statewide assessment of electric vehicle charging infrastructure needed to meet the goal of 5 million ZEVs by 2030.
- Senate Bill 1000 (Lara, Chapter 368, Statutes of 2018) requires the CEC to assess whether charging infrastructure is disproportionately deployed and to use available funds and other mechanisms to deploy new charging infrastructure more proportionately.
- Senate Bill 1014 (Skinner, Chapter 369, Statutes of 2018) establishes the Clean Miles Standard and Incentive Program. The program develops a process for reducing GHG emissions from Transportation Network Companies, including increasing PEVs. The bill also requires the CEC to consider the goals of the Clean Miles Standard and Incentive Program in its planning of charging infrastructure.
- Senate Bill 44 (Skinner, Chapter 297, Statutes of 2019) requires CARB to update its 2016 mobile source strategy to include a comprehensive strategy for the reduction of criteria pollutants and GHG from medium- and heavy-duty vehicles. Part of CARB's strategy is to determine PEV forecasts in conjunction with expected charging needs assessments from the CEC.
- Executive Order B-48-18 calls for state entities to work with the private sector to spur the installation of 250,000 zero-emission vehicle chargers, including 10,000 direct current fast chargers.
- The Governor's Office *2018 ZEV Action Plan* calls for high-level planning to develop innovative infrastructure deployment strategies and 2030 infrastructure need projections that spur greater private investment in the construction of infrastructure.

Consistent with these statutes, programs, orders, and action plans, this workshop will inform staff and the Lead *2020 IEPR Update* Commissioner on the latest analysis, opportunities, and challenges for charging infrastructure. It will contribute to the development of the *2020 IEPR Update* findings and policy recommendations.

Public Comment

Oral Comments:

Commissioners will accept oral comments at the end of each session. Public comments may be limited to three minutes or less per speaker and to one person per organization.

Depending on the number of members of the public seeking to make public comment, the facilitator may adjust the total time allotted for public comment and the time allotted for each comment. If commissioners are unable to accommodate all public comments during the workshop, please submit your comment in writing to have it included in the record through the CEC's docketing system per the instructions below. For assistance with the Docket, contact the Public Advisor's Office at publicadvisor@energy.ca.gov or call to 1-800-822-6228 or 916-654-4489.

To make a comment during the workshop, please use the "raise hand" feature in Zoom. If attending the workshop via telephone, dial *9 to raise your hand and *6 to mute/unmute your phone line.

Written comments:

Written comments must be submitted to the Docket Unit by **5:00 p.m. on August 27, 2020.**

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 *2020 IEPR Update*, the CEC encourages use of its electronic commenting system.

Visit the [CEC Electronic Add Comment](#) page or visit

<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=20-IEPR-02>, 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 if you choose not to use the electronic filing system. Include the docket number 20-IEPR-02 and "Charging Infrastructure" in the subject line and email to docket@energy.ca.gov.

If preferred, a paper copy may be sent to:

California Energy Commission
Docket Unit, MS-4
Re: Docket No. 20-IEPR-02
1516 Ninth Street
Sacramento, California 95814-5512

Public Advisor and Other Commission Contacts

The CEC's Public Advisor's Office provides the public with assistance in participating in CEC proceedings. For information on how to participate in this proceeding, or to request language services or other reasonable accommodations, please contact the public advisor, Noemí O. Gallardo, at publicadvisor@energy.ca.gov, or by phone at (916) 654-4489, or toll free at (800) 822-6228. Requests for language services and reasonable accommodations should be made at least five days in advance. The CEC will work diligently to accommodate late requests.

Zoom: If you experience difficulties with the Zoom platform, please contact the Public Advisor's office via email or phone. (Contact information above.)

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 Quentin Gee at quentin.gee@energy.ca.gov or (916) 654-3837.

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

Remote Attendance

Participants may join any or all scheduled panel sessions by clicking on the links below. You may also access [Zoom](https://join.zoom.us) at this address, <https://join.zoom.us>, and enter the unique Webinar ID and password for each session (listed below). Zoom technical support is available at 1-888-799-9666 ext. 2, or you may contact the CEC's Public Advisor's Office at publicadvisor@energy.ca.gov or (916) 654-4489, or toll-free at 800-822-6228. To comment using Zoom's online platform, use the "raise hand" feature. To comment by telephone, see instructions below.

Participate by Telephone:

To participate by telephone, call Zoom at 1-888-475-4499 (toll free). When prompted, input the unique Webinar ID for the session of your choice (listed above). To comment over the telephone, dial *9 to "raise your hand" and *6 to mute/unmute.

Availability of Documents

Documents and presentations for this meeting will be available online at [IEPR Workshop, Meeting and Request Comments](#),

<https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update> or [Docket Log: 20-IEPR-02](#),

<https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=20-IEPR-02>.

When new information is posted, an email will be sent to those on the energypolicy list serve. Those interested in receiving these notices can subscribe in the lower right corner at the [Integrated Energy Policy Report](#) page, <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report>, or alternatively manage existing list serves or sign up for others at the [CEC List Servers](#), <http://www.energy.ca.gov/listservers/index.html>.

Dated: Wednesday, July 22, 2020, at Sacramento, California

Original signed by:

Patty Monahan
Commissioner
2020 Integrated Energy Policy Report Update

List Servers: energypolicy, electricity, transportation, altfuels, dcag, diversity, barriers