

**DOCKETED**

<b>Docket Number:</b>	21-TRAN-03
<b>Project Title:</b>	Zero Emission Vehicle Infrastructure Barriers and Opportunities
<b>TN #:</b>	241979
<b>Document Title:</b>	Notice of Electric Vehicle Charging Infrastructure Reliability Workshop
<b>Description:</b>	March 10, 2022 9:00 a.m. - 12:00 p.m. Remote Access Only
<b>Filer:</b>	Spencer Kelley
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
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**CALIFORNIA ENERGY COMMISSION**

715 P Street  
Sacramento, California 95814

[energy.ca.gov](http://energy.ca.gov)

CEC-70 (Revised 11/2021)



*IN THE MATTER OF:*

*Electric Vehicle Charging Infrastructure  
Reliability*

Docket No. 21-TRAN-03

NOTICE OF REMOTE-ACCESS  
WORKSHOP

RE: Electric Vehicle Charging  
Infrastructure Reliability

## **Electric Vehicle Charging Infrastructure Reliability Workshop March 10, 2022**

9:00 a.m. - 12:00 p.m.

**Remote Access Only**

The California Energy Commission (CEC) will host a workshop to discuss and receive stakeholder feedback on how to define, measure, and publish reliability metrics for electric vehicle (EV) charging infrastructure, and how to incorporate reliability metrics in EV charging infrastructure funding opportunities. The workshop will provide presentations on the reliability of existing charging infrastructure in California and seek feedback on how to ensure the reliability of future charging infrastructure.

The workshop will be held remotely, consistent with Assembly Bill 361 (Rivas, Chapter 165, Statutes of 2021) as extended by Governor Newsom's Executive Order N-1-22 to improve and enhance public access to state agency meetings during the COVID-19 pandemic. The public can participate in the workshop consistent with the direction provided below. Please note that the CEC aims to begin promptly at the start time posted and the end time is an estimate based on the agenda proposed. The workshop may end sooner or later than the posted end time depending on various factors.

### **Agenda**

- 1) Background on Charging Infrastructure Reliability
- 2) EV Charging Infrastructure Panel
- 3) Measuring Charging Infrastructure Reliability

- 4) Public Comment to seek feedback, including the following topics:
- a. What are existing definitions and data on the reliability of zero-emission vehicle (ZEV) infrastructure in California?
  - b. What are the gaps or missing information in these data that we should seek?
  - c. What are the best methods to collect data for existing and future chargers?
  - d. What recommendations do you have to improve how the CEC determines, monitors, and promotes the reliability of ZEV infrastructure in California?

### **Background**

Success in achieving California’s climate change and air quality goals requires the rapid deployment of ZEVs including EVs. EV drivers will use a mix of public and private charging infrastructure. This infrastructure must be convenient, reliable, and able to predictably and consistently serve driver needs. Reliability or usability also affects the total number of chargers needed and therefore the investment at all scales, from site to statewide network. This workshop is intended to discuss and receive stakeholder feedback on how to define and measure reliability, publish reliability metrics, and set reliability metrics and requirements in funding opportunities for EV charging infrastructure.

### **Remote Attendance Instructions**

The workshop may be accessed by clicking the Zoom link below or visiting [Zoom](https://join.zoom.us) at <https://join.zoom.us> and entering the ID and password for the workshop listed below. If you experience difficulties joining, contact Zoom at (888) 799-9666 ext. 2, or the Public Advisor at [publicadvisor@energy.ca.gov](mailto:publicadvisor@energy.ca.gov) or at (916) 957-7910.

**Link to Workshop:** [Electric Vehicle Charging Infrastructure Workshop](https://energy.zoom.us/j/95118478427?pwd=V2ZiZ0JHQ3JOeS94RVhjV0wvZXlKQT09)  
(<https://energy.zoom.us/j/95118478427?pwd=V2ZiZ0JHQ3JOeS94RVhjV0wvZXlKQT09>)

**Workshop ID:** [951 1847 8427](#)

**Workshop Password:** [Reliable@9](#)

Use the “raise hand feature” to indicate you want to speak and the event facilitator will indicate when your line is open and ready for you to make comment.

**To Participate by Telephone**, dial [\(669\) 219-2599](#) or [\(877\) 853-5257](#). When prompted, enter the ID: [951 1847 8427](#). To comment, dial \*9 to “raise your hand” and \*6 to mute/unmute your phone line.

**Zoom’s closed captioning service** will be enabled for the meeting. Attendees can use the service by clicking on the “live transcript” icon and then choosing either “show subtitle” or “view full transcript”. The closed captioning service can be stopped by exiting out of the “live transcript” or selecting the “hide subtitle” icon. Closed captioning cannot be exited by phone.

## **Public Comment**

**Oral comments** will be accepted during the workshop. Comments may be limited to three minutes or less per speaker and one person per organization. If participating via Zoom's online platform, use the "raise hand" feature so the administrator can announce your name and unmute you. If you are participating by telephone, press \*9 to "raise your hand" and \*6 to mute/unmute.

**Written comments** must be submitted to the Docket Unit by 5:00 p.m. on April 1, 2022. Written and oral comments, attachments, and associated contact information (including address, phone number, and email address) will become part of the public record of this proceeding with access available via any internet search engine.

The CEC encourages use of its electronic commenting system. Visit the e-commenting page at <https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=21-TRAN-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 document in Microsoft® Word or Adobe® Acrobat®. The maximum file size allowed is 10 MB.

Written comments may be submitted by email. Include docket number 21-TRAN-03 and Electric Vehicle Charging Infrastructure Reliability in the subject line and email to [docket@energy.ca.gov](mailto:docket@energy.ca.gov).

A paper copy may be sent to:

California Energy Commission  
Docket Unit, MS-4  
Docket No. 21-TRAN-03  
715 P Street  
Sacramento, California 95814

## **Public Advisor and Other CEC Contacts**

The CEC's Public Advisor provides the public with assistance in participating in CEC proceedings. For information about how to participate in this workshop or to request interpreting services or other reasonable modifications and accommodations, reach out via email at [publicadvisor@energy.ca.gov](mailto:publicadvisor@energy.ca.gov), or by phone at (916) 957-7910. Requests should be made for interpreting services, reasonable modifications and accommodations as soon as possible but at least five days in advance of the workshop. However, the CEC will work diligently to meet all requests based on the availability of the service or resource requested.

**Direct media inquiries** to [mediaoffice@energy.ca.gov](mailto:mediaoffice@energy.ca.gov) or (916) 654-4989.

**Direct technical subject or general inquiries** to Dustin Schell at [dustin.schell@energy.ca.gov](mailto:dustin.schell@energy.ca.gov) or (916) 237-2551.

## **Availability of Documents**

Documents and presentations for this meeting will be available at the [workshop main page](#), or at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=21-TRAN-03>.

When new information is posted, an email will be sent to those on the AltFuels, Transportation, DCAG, and Opportunities list servers. To receive these notices, subscribe at [CEC List Servers](https://ww2.energy.ca.gov/listservers/index_cms.html) page, [https://ww2.energy.ca.gov/listservers/index\\_cms.html](https://ww2.energy.ca.gov/listservers/index_cms.html). Manage existing list servers or sign up for others at [CEC List Servers](https://ww2.energy.ca.gov/listservers/index_cms.html), at [https://ww2.energy.ca.gov/listservers/index\\_cms.html](https://ww2.energy.ca.gov/listservers/index_cms.html).

Dated: February 28, 2022 (of signing), at Sacramento, California

*Hannon Rasool*

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Hannon Rasool  
Deputy Director, Fuels and Transportation Division

List Servers: AltFuels, Transportation, DCAG, and Opportunities