

DOCKETED

Docket Number:	19-AB-2127
Project Title:	Implementation of AB 2127 Electric Vehicle Charging Infrastructure Assessments
TN #:	242919
Document Title:	Notice of Workshop on Vehicle-to-Grid Inverter List
Description:	Tuesday, May 17, 2022 10:00 a.m. – 11:45 a.m. Remote Access Only (via Zoom)
Filer:	Spencer Kelley
Organization:	California Energy Commission
Submitter Role:	Commission Staff
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CALIFORNIA ENERGY COMMISSION

715 P Street
Sacramento, California 95814

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CEC-70 (Revised 11/2021)



IN THE MATTER OF:

Vehicle-to-Grid (V2G) Inverter List

Docket No. 19-AB-2127

NOTICE OF WORKSHOP

RE: V2G Inverter List

Notice of Workshop on Vehicle-to-Grid Inverter List
Tuesday, May 17, 2022
10:00 a.m. – 11:45 a.m.

Remote Access Only ([via Zoom](#))
See instructions below.

The California Energy Commission (CEC) will host a workshop to discuss the design and implementation of a voluntary, CEC-housed Vehicle-to-Grid (V2G) Inverter List. The workshop will be held remotely. The public can participate in the workshop consistent with the directions provided below. Note that the CEC aims to begin promptly at the posted start time, and the end time is an estimate based on the proposed agenda. The workshop may end sooner or later than the posted end time depending on various factors.

Agenda

Staff will provide an overview of the CEC-housed V2G Inverter List concept and facilitate discussion on topics for which staff is seeking feedback. Investor-owned utilities will provide an overview of current and upcoming interconnection processes and requirements, especially as they pertain to bidirectional electric vehicle charging. Staff have identified several V2G Inverter List implementation details meriting further discussion, including:

- 1) Which certifications should the V2G Inverter List track at launch? Underwriters Laboratories (UL) standards UL 1741, UL 1741-SA, UL 1741-SB, or a combination thereof?
- 2) To what extent should the V2G Inverter List accommodate on-board alternating current (AC) chargers at launch?
- 3) Should the V2G Inverter List track the model numbers of chargers which contain inverters, or the model numbers of the inverters themselves? If the former, how would the list

accommodate on-board AC inverters? If the latter, how would a charger manufacturer prove that a listed inverter is indeed used in a particular charger model?

A detailed agenda will be posted prior to the workshop on the workshop event webpage.

Background

Grid-connected inverters used for bidirectional vehicle charging, or V2G inverters, must comply with utility interconnection rules and safety standards. CEC's existing solar equipment lists track inverters used with rooftop solar and battery systems that meet national safety standards, and these lists are used by utilities to expedite the interconnection process. V2G inverters are often electrically identical to these existing inverters, but are not currently included in CEC's solar equipment lists. Charging stakeholders and utilities have requested that the CEC include V2G inverters on CEC's solar equipment lists. As a result, staff is exploring a voluntary V2G Inverter List to be used for informational purposes and to aid with utility interconnection processes.

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 listed below. If you experience difficulties joining, contact Zoom at (888) 799-9666 ext. 2, or the Public Advisor at publicadvisor@energy.ca.gov or at (916) 957-7910.

Link to Workshop:

<https://energy.zoom.us/j/95460803567?pwd=bVhONHJKRFp1cHR1QVdqaWNKRm42UT09>

Workshop ID: 95460803567

Password: 988811

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 (213) 338-8477 or (877) 853-5257.

When prompted, enter the ID: **954 6080 3567**.

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

Staff plan to solicit participant feedback throughout the workshop and encourage participant discussion. Oral comments will also be accepted at the end of 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 May 31, 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 for docket [19-AB-2127](#) at <https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=19-AB-2127>. 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 19-AB-2127 and "V2G Inverter List" in the subject line and email to docket@energy.ca.gov.

A paper copy may be sent to:

California Energy Commission
Docket Unit, MS-4
Docket No. 19-AB-2127
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 modification, and accommodations, reach out by phone at (916) 957-7910 or via email at publicadvisor@energy.ca.gov. 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 or (916) 654-4989.

Direct technical subject or general inquiries to Adeel Ahmad at adeel.ahmad@energy.ca.gov or Jeffrey Lu at jeffrey.lu@energy.ca.gov.

Availability of Documents

Documents and presentations for this meeting will be available on the workshop webpage at <https://www.energy.ca.gov/xxx>. Documents will also be available on the [19-AB-2127 docket log](#) at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-AB-2127>.

When new information is posted, an email will be sent to those subscribed to the Implementation of AB 2127 Electric Vehicle Charging Infrastructure Assessments (AB 2127) and Distributed

Generation subscription topics. To receive these notices, or sign up for other email subscription topics, visit [Subscriptions](https://www.energy.ca.gov/subscriptions), at <https://www.energy.ca.gov/subscriptions>.

Dated: May 3, 2022 at Sacramento, California

Hannon Rasool

Hannon Rasool

Deputy Director

Subscription Topic: AB 2127, Distributed Generation