

DOCKETED

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Document Title:	Notice of Staff Workshop for V2B for Back Up Power
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CEC-70 (Revised 5/2020)

*IN THE MATTER OF:**Public Workshop for Information on Vehicle-to-Building for Resilient Backup Power*

Docket No. 20-MISC-01

NOTICE OF REMOTE-ACCESS
WORKSHOP

RE: Vehicle-to-building workshop

Notice of Staff Workshop
January 25, 2021
9:00 a.m. – 12:45 p.m.
Remote Access Only

The California Energy Commission (CEC) will host a remote-access workshop to discuss market, technology, and regulatory needs and barriers to deploying bi-directional plug-in electric vehicles (PEVs) and chargers that are capable of powering critical loads in commercial buildings and homes during electric grid outages such as public safety power shutoffs. 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 in the workshop consistent with the direction in these Executive Orders. There will be opportunities for public comment. Instructions for remote participation via Zoom are below.

Agenda

The workshop includes sessions about 1) market opportunity and customer demand, 2) technology status and development needs, and 3) regulatory context and opportunities. Panelists will present at each session followed by moderated discussion to elicit panelist and participant feedback on near-term opportunities for CEC efforts to help address the challenges identified.

This workshop will convene automotive companies, charging equipment manufacturers, charging service providers, utilities, and representatives of state agencies to discuss market, technology, and regulatory barriers and needs to accelerate vehicle-to-building for resilient backup power. The discussion will help identify priorities for CEC efforts going forward and improve stakeholder coordination.

A detailed [meeting agenda](https://www.energy.ca.gov/event-calendar) will be posted prior to the workshop at <https://www.energy.ca.gov/event-calendar>.

Background

The use of energy stored in PEV batteries to power electric loads in commercial buildings and homes—referred to as vehicle-to-building (V2B)—is a promising zero-emission solution to provide resilient backup power to customers during electric grid outages such as public safety power shutoffs. Recent California Public Utilities Commission decisions related to transportation electrification and distributed energy resource integration¹ streamline interconnection and piloting procedures for bi-directional PEVs and chargers and call for increased development and deployment of V2B technologies. The [final report](https://gridworks.org/wp-content/uploads/2020/09/GW_VehicleGrid-Integration-Working-Group.pdf) of the Vehicle-Grid Integration Working Group (https://gridworks.org/wp-content/uploads/2020/09/GW_VehicleGrid-Integration-Working-Group.pdf) recommends a variety of V2B demonstration activities and identifies a need for further data collection and evaluation of benefits to accelerate development of commercial V2B products.

Previous investments through the CEC’s Electric Program Investment Charge (EPIC), Clean Transportation Program, and School Bus Program have provided early examples of the potential for V2B technologies to benefit Californians. Commercial products that are compliant with existing Rule 21 language are beginning to be released and can provide resilience benefits in the near-term, while pilots of V2B with on-vehicle power conversion are allowed in Rule 21 and promise a lower cost pathway to widespread adoption in the longer-term.

Remote Attendance

The meeting may be accessed by clicking the Zoom link below or Zoom, <https://join.zoom.us>, by entering the Meeting ID and password for the workshop listed below. If you experience difficulties joining, you may contact Zoom at (888) 799-9666 ext. 2, or the Public Advisor’s Office via email or phone.

Link to Workshop:

<https://energy.zoom.us/j/97850371883?pwd=Vm42eIRzNmXUUDFHSUR1ZzRuR2d1UT09>.

Meeting ID: 978 5037 1883

Meeting Password: 203201

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 Only:

Dial (646) 518-9805 or (888) 475-4499 (toll free). When prompted, enter the Meeting ID: 978 5037 1883. To comment, dial *9 to “raise your hand” and *6 to mute/unmute your phone line.

¹ See for example [Decision 20-12-029](https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M355/K794/355794454.PDF), 12/19/2020: <https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M355/K794/355794454.PDF> and [Decision 20-09-035](https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M347/K953/347953769.PDF), 09/24/2020: <https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M347/K953/347953769.PDF>

Public Comment

Oral comments will 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 February 15, 2021. 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](https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=20-MISC-01) at <https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=20-MISC-01>, 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 20-MISC-01 and "Public Workshop on Vehicle-to-building for Resilient Backup Power" in the subject line and email to docket@energy.ca.gov.

A paper copy may also be sent to:

California Energy Commission
Docket Unit, MS-4
Docket No. 20-MISC-01
1516 Ninth Street
Sacramento, California 95814-5512

Public Advisor and Other CEC Contacts

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

Direct media inquiries to mediaoffice@energy.ca.gov or (916) 654-4989.

Direct technical subject inquiries to Ben Wender and Jeffrey Lu at ben.wender@energy.ca.gov and jeffrey.lu@energy.ca.gov.

Availability of Documents

Documents and presentations for this meeting will be available at the CEC's e-comment page for docket number 20-MISC-01 at

<https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=20-MISC-01>.

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