

DOCKETED

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CEC-70 (Revised 7/22)

**IN THE MATTER OF:***Electric Vehicle Charging with Solar
Microgrids – EPIC Scoping Workshop*

DOCKET NO. 23-ERDD-01

NOTICE OF REMOTE-ACCESS
WORKSHOPRE: Electric Vehicle Charging with Solar
Microgrids – EPIC Scoping Workshop

**Notice of Scoping Workshop:
Electric Vehicle Charging with Solar Microgrids –
EPIC Scoping Workshop
March 18, 2025
1:00 p.m. – 3:40 p.m.**

Remote Access Only via Zoom or Telephone
See Attendance Instructions below.

California Energy Commission (CEC) staff will host a workshop seeking public comment on a potential upcoming solicitation that would aim to demonstrate electric vehicle charging solutions that integrate direct current (DC)-coupled solar microgrids and connect to the electric grid through flexible service agreements.

The public can participate in the workshop consistent with the attendance instructions below. The CEC aims to begin promptly at the start time posted, and the end time is an estimate based on the proposed agenda. The workshop may end sooner or later than the posted end time.

Agenda

The workshop will provide background on the Electric Program Investment Charge (EPIC) program and recent research and development investments in distributed energy resource (DER)-integrated transportation electrification. Staff from Pacific Gas & Electric and Southern California Edison will provide brief presentations on their flexible energization pilots. CEC staff will outline a proposed solicitation concept that is planned to be released in the third quarter of 2025. There will be a dedicated time for stakeholders to ask questions and provide input about the proposed concept.

The intended audience for this workshop includes industry stakeholders, researchers, government agencies, investor-owned utilities (IOUs), and other interested parties.

A detailed agenda will be posted prior to the workshop at <https://energy.ca.gov/events>

Background

California's grid faces a crisis of increased demand due to widespread vehicle electrification amidst distribution capacity constraints. Many sites interested in developing charging infrastructure, particularly for medium- and heavy-duty (MDHD) electric vehicles, do not have adequate existing distribution capacity. As a result, these projects often incur lengthy and ratepayer-funded utility upgrades to support new loads. Co-locating behind-the-meter distributed energy resources (DERs) with charging infrastructure has emerged as a potential solution to mitigate strain on ratepayers and the grid while providing zero-emission electricity, cost stability, and resiliency benefits to fleet owners and charging providers.

In 2020, under the EPIC 2018-2020 Investment Plan, the CEC awarded funds to five recipients to deploy innovative DER technologies to demonstrate benefits to MDHD electric vehicles. Early findings from this portfolio suggest that DERs can be an effective strategy to support charging infrastructure for MDHD electric vehicles, but several technology, market, and policy barriers remain. The CEC held a public webinar to showcase these projects on February 25, 2025. The slides and a recording from the event can be found at https://www.energy.ca.gov/event/webinar/2025-02/fleet-charging-solar-microgrids-epic-project-showcase?utm_medium=email&utm_source=govdelivery.

This solicitation aims to build on the learnings from these projects and address Topics 14 (Direct Current Systems for Efficient Power Delivery) and 22 (Integrating Distributed Energy Resources for Grid-Supportive Vehicle Charging) under the EPIC 2021-2025 Investment Plan¹. Research from the proposed funding concepts will improve technologies and processes that facilitate the flexible energization of electric vehicle charging infrastructure through existing IOU limited load profile pilots and the integration of on-site solar generation, storage, and DC power systems.

Attendance Instructions

Remote participants may join via Zoom by internet or phone.

- **To join via Zoom.** Click on <https://energy.zoom.us/j/81714047709?pwd=aTy5h05aPSYOwsLamqgai9AnaS6cvs.1> or login in at <https://zoom.us/> and enter the Webinar ID 817 1404 7709 and passcode "microgrid" and follow all prompts.

¹ Lew, Virginia, Anthony Ng, Mike Petouhoff, Jonah Steinbuck, Erik Stokes, and Misa Werner. 2023. The Electric Program Investment Charge 2021–2025 Investment Plan: EPIC 4 Investment Plan. California Energy Commission. Publication Number: CEC-500-2021-048-CMF-REV.

- **To join by telephone.** Call toll-free at (888) 475-4499 or toll at (669) 219-2599. When prompted, enter the Webinar ID 817 1404 7709 and passcode "microgrid".

Zoom Closed Captioning Service. At the bottom of the screen, click the Live Transcript CC icon and choose "Show Subtitle" or "View Full Transcript" from the pop-up menu. To stop closed captioning, close the "Live Transcript" or select "Hide Subtitle" from the pop-up menu. If joining by phone, closed captioning is automatic and cannot be turned off. While closed captioning is available in real-time, it can include errors.

Zoom Difficulty. Contact Zoom at (888) 799-9666 ext. 2, or the CEC Public Advisor at publicadvisor@energy.ca.gov, or by phone at (916) 957-7910.

Public Comment.

The CEC encourages the use of its electronic commenting system. Visit the e-commenting page for this docket 23-ERDD-01 at <https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=23-ERDD-01>. Enter your contact information and a subject title that describes your comment. 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.

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. To comment via Zoom, use the "raise hand" feature so the administrator can announce your name and unmute you. To comment via telephone, press *9 to "raise your hand" and *6 to mute/unmute.

Written comments may be submitted to the Docket Unit by 5:00 p.m. on April 1, 2025. 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. Written comments may also be submitted by email. Include docket number 23-ERDD-01 and "Electric Vehicle Charging with Solar Microgrid – EPIC Scoping Workshop" in the subject line and email to docket@energy.ca.gov.

A paper copy may be mailed to:
California Energy Commission
Docket Unit, MS-4
Docket No. 23-ERDD-01
715 P Street
Sacramento, California 95814

Public Advisor. The CEC's Public Advisor assists the public with participation in CEC proceedings. To request assistance, interpreting services, or reasonable modifications and accommodations, call (916) 957-7910 or email publicadvisor@energy.ca.gov as soon as possible but at least five days in advance of the workshop. The CEC will work diligently to meet all requests based on availability.

Media Inquiries. Email mediaoffice@energy.ca.gov or call (916) 654-4989.

Technical Subject Inquiries. Email Energy Research and Development Division at ERDD@energy.ca.gov

General Inquiries: Email Energy Research and Development Division at ERDD@energy.ca.gov.

Availability of Documents: Documents and presentations for this meeting will be available at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=23-ERDD-01>.

When new information is posted, an email will be sent to those subscribed to the "Electric Program Investment Charge Program" list. To receive these notices or notices of other email subscription topics, visit [Subscriptions](https://www.energy.ca.gov/subscriptions), at <https://www.energy.ca.gov/subscriptions>.

Dated: March 7, 2025, at Sacramento, California.

Jonah Steinbuck
Director of the Energy Research and Development Division

Subscriptions:
Electric Program Investment Charge (EPIC) Program
Energy Research and Development