

DOCKETED	
Docket Number:	19-TRAN-02
Project Title:	Medium- and Heavy-Duty Zero-Emission Vehicles and Infrastructure
TN #:	257840
Document Title:	Workshop Notice - Innovative Strategies for Accelerating MDHD Site Energization in POU Territories
Description:	CEC staff will host an informational workshop discussing innovative strategies, such as flexible service connections and temporary power solutions, for accelerating energization of electric vehicle (EV) charging sites with large electricity demand in publicly owned utility (POU) service territories. The purpose of the workshop is to share projections for overall EV charging needs in POU service territories, with a focus on medium- and heavy-duty (MDHD); learn about trends in large MDHD EV charger deployment and applications for utility service; and highlight examples of innovative strategies that can help power large MDHD EV charger deployments more rapidly.
Filer:	Michelle Vater
Organization:	California Energy Commission
Submitter Role:	Commission Staff
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CALIFORNIA ENERGY COMMISSION715 P Street
Sacramento, California 95814energy.ca.gov

CEC-70 (Revised 7/22)

**IN THE MATTER OF:***Innovative Strategies for Accelerating
Energization of Medium- and Heavy-
Duty Charging Sites*

DOCKET NO. 19-TRAN-02

NOTICE OF WORKSHOP ON INNOVATIVE
STRATEGIES FOR ACCELERATING MDHD
SITE ENERGIZATION IN PUBLICLY OWNED
UTILITY SERVICE TERRITORIES

RE: Accelerating MDHD Site Energization

**Notice of Workshop on Innovative Strategies for Accelerating
MDHD Site Energization in POU Service Territories
July 31, 2024**

9:00 a.m. –12:00 p.m.

Remote Access Only. See Attendance Instructions.

The California Energy Commission (CEC) will host an informational workshop discussing innovative strategies, such as flexible service connections and temporary power solutions, for accelerating energization of electric vehicle (EV) charging sites with large electricity demand in publicly owned utility (POU) service territories. The purpose of the workshop is to share projections for overall EV charging needs in POU service territories, with a focus on medium- and heavy-duty (MDHD); learn about trends in large MDHD EV charger deployment and applications for utility service; and highlight examples of innovative strategies that can help power large MDHD EV charger deployments more rapidly. The workshop will help gather, socialize, and discuss example projects including lessons learned and recommendations for future deployments.

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

This informational workshop will include staff presentations on projected EV charger deployment needs statewide, including light-duty (LD) charging sites based on the results of the second Assembly Bill (AB) 2127 report. Staff will share some specific examples in POU service territories as well as emphasize the higher power levels of MDHD relative to LD. This will be followed by a panel discussion with representatives of POU in California discussing trends they are seeing in large MDHD EV charger deployment and service requests in their territory, how large MDHD EV charging

loads are impacting planning and operations, and examples of strategies to serve large MDHD EV charging sites more rapidly. The workshop will also include a panel of technology solutions providers and will feature a case study. The CEC will announce no new policies, incentives, or requirements related to its funding programs at this workshop.

A detailed agenda will be posted prior to the workshop in docket 19-TRAN-02 at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-TRAN-02>.

Background

Governor Newsom's Executive Order N-79-20 established goals for reaching 100 percent zero emission vehicle (ZEV) sales of new passenger cars in 2035, 100 percent zero emission operations of drayage trucks and offroad equipment by 2035, and 100 percent zero emission operations of other MDHD vehicles by 2045 where feasible. The Advanced Clean Cars II, Advanced Clean Trucks, and Advanced Clean Fleets rules developed by the California Air Resources Board provide a regulatory pathway to achieve these goals by requiring increasing adoption of ZEVs spanning all weight classes over the next two decades.

Powering millions of ZEVs will require swift deployment of charging infrastructure for electric vehicles. The CEC's Second Assembly Bill 2127 Electric Vehicle Charging Infrastructure Assessment estimated that California will need more than 1 million public and shared EV chargers to support approximately 7 million passenger EVs in 2030. Additionally, the assessment projects needing 109,000 depot chargers (power levels 20 kW to 150 kW) and 5,500 public electric vehicle chargers (power levels 350 kW to 1.5 MW) to support 155,000 medium- and heavy-duty vehicles in 2030. Many of these chargers will be located in the service territories of publicly owned utilities.

Some charging sites, such as large truck depots or en route public fast charging truck stops, can require 10 or more megawatts of power, which may exceed the capacity of existing electricity infrastructure requiring grid upgrades or mitigations to deliver the requested power. Depending on the extent of utility design and construction work required, it can take many months or even years to complete these. Construction of the EV charging site itself can proceed much more rapidly, potentially leaving a gap between when the chargers are installed and when the grid is ready to power them. To bridge the time until permanent utility infrastructure can be completed, project developers and utilities are employing innovative strategies such as flexible service connections and temporary power solutions to accelerate energization of large charging sites. This workshop will convene representatives of publicly owned utilities, developers of large charging sites, and technology solutions providers to explore examples, challenges, and opportunities for use of innovative bridging solutions.

Remote Attendance Instructions

Participants may join via Zoom by internet or phone.

- **To join via Zoom.** Click on <https://energy.zoom.us/j/89315754282?pwd=NnJ2NGdzcjVFeFBKZVdJK25jdzNXQT09> or

login in at <https://zoom.us/> and enter the Webinar ID **893 1575 4282** and passcode **034474** and follow all prompts.

- **To join by telephone.** Call toll-free at (888) 475-4499 or toll at (669) 219-2599. When prompted, enter the Webinar ID **893 1575 4282** and passcode **034474**.

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](https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=19-TRAN-02) at <https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=19-TRAN-02>. 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 **August 16, 2024**. 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 19-TRAN-02 and "Accelerating Medium- and Heavy-Duty Site Energization" 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. 19-TRAN-02
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.

General or Technical Subject Inquiries: Email Kate Reid at kathryn.reid@energy.ca.gov or call (916) 776-0738.

Availability of Documents: Documents and presentations for this meeting will be available at [19-TRAN-02](https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-TRAN-02), at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-TRAN-02>. When new information is posted, an email will be sent to those subscribed to the Clean Transportation Program subscription topic. 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: July 19, 2024, at Sacramento, California.

Hannon Rasool

Hannon Rasool, Director

Subscriptions:

Clean Transportation Program

General Transportation and Petroleum Issues

Energy Infrastructure Incentives for Zero-Emission Commercial Vehicles (EnergIIZE Commercial Vehicles)