

**DOCKETED**

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<b>Project Title:</b>	Vehicle-Grid Integration
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<b>Document Title:</b>	Notice of EV Charging Network Roaming Overview Workshop
<b>Description:</b>	Friday, May 31, 2024, 9-11 a.m. Remote Access Only
<b>Filer:</b>	Jeffrey Lu
<b>Organization:</b>	California Energy Commission
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**CALIFORNIA ENERGY COMMISSION**

715 P Street  
Sacramento, California 95814

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

CEC-70 (Revised 7/22)



*IN THE MATTER OF:*

*EV Charging Network Roaming*

DOCKET NO. 22-EVI-06

NOTICE OF Remote Access EV Charging  
Network Roaming Overview Workshop

RE: EV Charging Network Roaming

## **Notice of EV Charging Network Roaming Overview Workshop Friday, May 31, 2024**

9:00—11:00 a.m.

Remote Access Only. See Attendance Instructions.

The California Energy Commission (CEC) will host an informational workshop discussing network roaming for electric vehicle (EV) charging. Network roaming refers to a customer's ability to use their preferred EV charging payment account at chargers operated by different charging station operators. The workshop will include presentations from CEC staff and representatives from industry entities, and an opportunity for public comment.

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 discuss the following and include opportunity for public comment:

- What network roaming is in the context of EV charging
- How network roaming can be useful to customers and improve the driver experience
- How network roaming is enabled

CEC staff will provide a basic overview of network roaming based on the CEC's [Statement on Charging Interoperability](#) published in late 2023. Additionally, industry entities will present on the technical and business aspects of enabling network roaming. This workshop will be informational in nature and there will be opportunity to ask questions and for public comment. The CEC will announce no new policies, incentives, or requirements relating to roaming at of this workshop.

A detailed agenda will be posted prior to the workshop at in docket [22-EVI-06](#) at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=22-EVI-06>.

## Background

In December 2023, CEC staff hosted a public [workshop](#) on charging interoperability challenges that included discussion on EV charging network roaming. Numerous stakeholders submitted [written comments](#) in response to the workshop. The most common request across all comments was for CEC staff to host a follow-up workshop focused on network roaming. This workshop is a direct response to those stakeholder requests.

The public EV charging network is typically served by two types of entities:

1. E-mobility service providers (EMSPs), which provide customers an account used to pay for charging. Account credentials may be presented by the customer using a keycard issued by the EMSP, the EMSP's mobile app, or another similar interface.
2. Charging station operators (CSOs), which operate chargers that deliver energy to a customer's vehicle. CSOs are also referred to as charge point operators (CPOs). A customer uses their EMSP account to pay a CSO for charging.

While EMSPs and CSOs serve distinct purposes, companies in North America sometimes act as both simultaneously. For example, a customer may use the ChargePoint app (ChargePoint is the EMSP) to start and pay for charging at a ChargePoint charger (ChargePoint is also the CSO). Network roaming, which refers to the ability for a customer's EMSP account to be used with various CSOs, is important when the EMSP and CSO are not the same entity. For example, a customer today may use the ChargePoint app (ChargePoint is the EMSP) to start and pay for charging at an EVgo charger (EVgo is the CSO). In the latter example, the driver can use their ChargePoint app to pay for an EVgo session because the two parties have a roaming agreement with one another. The company names used in the above examples are for illustrative purposes only. To facilitate payments across companies, EMSPs and CSOs must form "roaming agreements" directly with one another or through a roaming hub. Roaming agreements include backend technical integration as well as business and legal provisions.

Network roaming makes it easier for customers to access and pay for charging at chargers operated by different CSOs without setting up and maintaining multiple payment accounts. This can create a better driver experience by reducing the number of apps a driver must download and maintain, as well as opening up more charging opportunities for drivers. While roaming is more commonplace in other regions, today network roaming is limited in North America, though some roaming agreements exist among select North American EMSPs and CSOs.

## Remote Attendance Instructions

Participants may join via Zoom by internet or phone.

- **To join via Zoom.** Click on <https://energy.zoom.us/j/83451121336?pwd=Z0xhWGt0WEM2MjMraXdjWTRpc3FQZz09> or login in at <https://zoom.us/> and enter the Webinar ID **834 5112 1336** and passcode **917808** 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 **834 5112 1336** and passcode **917808**.

**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](mailto: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 docket 22-EVI-06](https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=22-EVI-06) at <https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=22-EVI-06>. 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 June 21, 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 22-EVI-06 and "Network Roaming Workshop" in the subject line and email to [docket@energy.ca.gov](mailto:docket@energy.ca.gov).

A paper copy may be mailed to:  
California Energy Commission  
Docket Unit, MS-4, Docket No. 22-EVI-06  
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](mailto: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](mailto:mediaoffice@energy.ca.gov) or call (916) 654-4989.

**General and Technical Subject Inquiries.**

Email Taylor Nguyen at [taylor.nguyen@energy.ca.gov](mailto:taylor.nguyen@energy.ca.gov) or call (916) 776-0738.

**Availability of Documents:** Documents and presentations for this meeting will be posted to docket [22-EVI-06](#) at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=22-EVI-06>. When new information is posted, an email will be sent to those subscribed to the Vehicle-Grid Integration subscription topic. To receive these notices or notices of other email subscription topics, visit [Subscriptions](#), at <https://www.energy.ca.gov/subscriptions>.

**Dated:** May 10, 2024, at Sacramento, California.

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Hannon Rasool, Director

**Subscriptions:**

Vehicle-Grid Integration

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