

DOCKETED

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California Energy Commission

Workshop on Proposed EV Charger Standards Under Senate Bill 123

Jim Harms, Energy Commission Specialist II

May 22nd, 2024



Agenda

1. Welcome and logistics
2. SB 123 introductory comments and background
3. CEC staff proposed pre-rulemaking concepts
4. Questions and answers
5. Public comment
6. Close and next steps



Housekeeping

- Workshop is being recorded on Zoom
- Written comments to docket 24-TRAN-02 by COB June 4, 2024
<https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=24-TRAN-02>
- Workshop event page:
<https://www.energy.ca.gov/event/workshop/2024-05/senate-bill-123-pre-rulemaking-workshop>



Commitment to Diversity

The CEC adopted a resolution strengthening its commitment to diversity in our funding programs. The CEC continues to encourage disadvantaged and underrepresented businesses and communities to engage in and benefit from our many programs.

To meet this commitment, CEC staff conducts outreach efforts and activities to:

- Engage with disadvantaged and underrepresented groups throughout the state
- Notify potential new applicants about the CEC's funding opportunities
- Assist applicants in understanding how to apply for funding from the CEC's programs
- Survey participants to measure progress in diversity outreach efforts



Diversity Survey



Scan the code on a phone or tablet with a QR reader to access the survey.

One Minute Survey

The information supplied will be used for public reporting purposes to display anonymous overall attendance demographics.

Zoom Participants, please use the link in the chat to access the survey or scan the QR code on the left of the screen with a phone or tablet to access the survey.

Survey will be closed at the end of the day.

Survey Link:

[SB 123 Pre-Rulemaking Workshop Diversity Survey](#)



Background on SB 123 Requirements



SB 123 Links

- **SB 123 Text:**
 - [Bill Text: CA SB123 | 2023-2024 | Regular Session | Chaptered | LegiScan](#)
- **Senate and Assembly Floor Analysis:**
 - [Bill Analysis - SB-123 Energy. \(ca.gov\)](#)
- **CARB Standards**
 - [Electric Vehicle Supply Equipment \(EVSE\) Standards | California Air Resources Board](#)



SB 123 Background

- Regulates **ALL** chargers that require a fee for use & were made public or newly installed on or after July 10, 2023
 - Not limited to publicly funded chargers
 - CEC authority for this rulemaking
 - Set new minimum payment method requirements
 - No additional legislation is needed to formalize
 - Removed EMV chip requirement (effective July 10, 2023)



SB 123 Payment Methods

- SB 123 requires both:
 1. A contactless payment method that accepts major credit and debit cards. For purposes of this clause, “contactless payment method” means a secure method for consumers to purchase services using a debit card, credit card, smartcard, or another payment device, by using radio frequency identification (RFID) technology and near-field communication (NFC).
 - Assembly and Senate Floor Analysis clarify that "tap card readers" are required.
 2. Either an automated toll-free telephone number or a short message system (SMS) that provides the electric vehicle charging customer with the option to initiate a charging session and submit payment



SB 123 Payment Methods Continued

- New DC fast chargers must offer ISO 15118 Plug and Charge by July 10, 2024
- Total cost must be disclosed at the point of sale
- Memberships or subscriptions cannot be required
- CEC may add/subtract minimum payment methods as of January 1, 2028



SB 123 Network Roaming

Interoperability Billing Standards = Networking Roaming Capability

- CEC may adopt other standards
- Roaming is key to positive charge experiences
- Roaming specific workshop on May 31, 2024
 - [EV Charging Network Roaming Overview Workshop \(ca.gov\)](#)



SB 123 Labeling, Signage, and Reporting

- Labeling
 - CFR (Part 309 of Title 16)
- Signage
 - Assist drivers to find chargers
- Reporting
 - Restate reporting to NREL

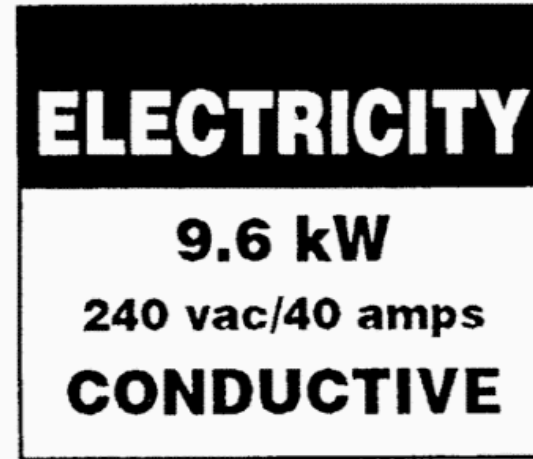


Figure 3

Source: ecf.gov





Proposed Pre-Rulemaking Concepts



Disclaimer

- This presentation is intended to be a discussion
- Nothing in this presentation has been drafted into proposed regulation

Staff strongly encourage stakeholders to read SB 123 text and associated Senate and Assembly Floor Analysis



Improving the EV Driver Experience

- ISO 15118
 - Verification testing process
 - Identify acceptable protocols
- Network Roaming
 - Learn from Europe and UK standards
 - Feedback from charging industry



Improving the EV Driver Experience, continued

- Payment Methods
 - Industry feedback
 - CEC's focus is on maximum driver benefit

- Signage and Labeling
 - Industry feedback
 - Areas of needed improvement



Question and Answer / Public Comment



Question & Answer / Public Comments

Zoom Participants

- Use “raise hand” feature to make verbal comments
- Use the “Q&A” feature to type your questions
- The chat feature has been disabled

Telephone Participants

- Dial *9 to raise your hand
- Dial *6 to mute / unmute you phone line

Three minute limit for spoken comments.



Potential Question & Answer Topics

- Should ISO 15118 Plug and Charge also be required on L2 chargers?
- How should the CEC verify compliance with ISO 15118 and Plug and Charge?
- What is the most effective way to increase network roaming capability?
- Should the CEC consider on-site signage requirements for chargers?
- What is the burden of current EV charger reporting requirements? Please consider the totality of reporting requirements across state agencies.
- What is the burden of existing payment method requirements for L2 chargers?



Next Steps



Next Steps

- Docket: 24-TRAN-02
- [E-Comment Submission](https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=24-TRAN-02)
<https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=24-TRAN-02>
- Provide comments by COB June 4, 2024

CEC staff will incorporate workshop feedback and written comments into a Draft Staff Report. Additional public workshop and comment period in late 2024.



Thank You!

