

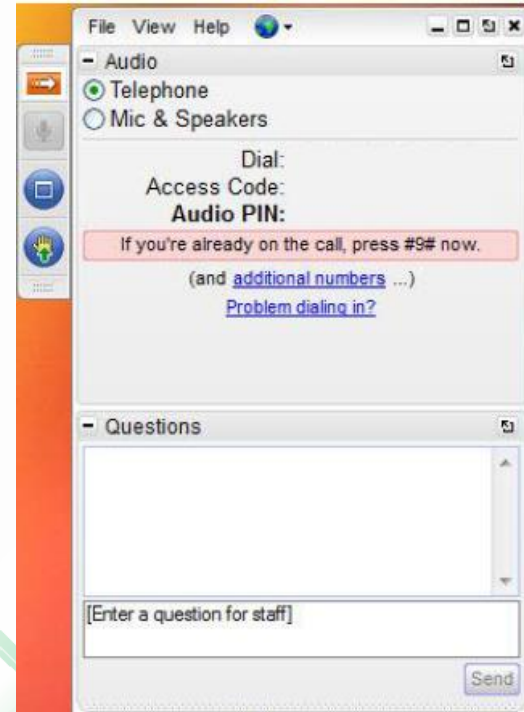


# **Electric Vehicle Supply Equipment (EVSE) Standards Webinar**

October 26, 2020

# Today's Webinar Logistics

- Slides will be posted at the EVSE Standards Program Page
- All webinar attendees will remain muted, until designated open discussion period
- Questions can be sent via the GoToWebinar question box



# Agenda

- Background
- Review of initial reporting period
- Review of all deadlines
- CARB Expectations on National Renewable Energy Laboratory Reporting
- NREL Presentation
- Technology review discussion

# Background

- Enabling Legislation SB 454 Electric Vehicle Charging Stations Open Access Act Signed in 2013
- CARB Board adopted regulation June 27, 2019
- EVSE Standards Regulation Effective July 1, 2020

# Background continued

- Chargers must be accessible to drivers regardless of membership in an Electric Vehicle Service Provider's (EVSP) network.
- EVSPs must operate credit card readers and mobile payment options on Level 2, and direct current fast charger EVSE allowing payment by members and non-members at EVSE locations that require payment.
- Each EVSE must have a sticker informing drivers of voltage and amperage capabilities of the unit.
- EVSPs must post all fees associated with a charging session.
- The interoperable billing standard Open Charge Point Interface must be installed on each EVSE.
- EVSPs must report new, current, and decommissioned EVSE locations and access information to the National Renewable Energy Laboratory's Alternative Fuels Data Center and CARB. The information reported includes pricing, EVSE model and location information.



# Review of Initial Reporting Period

## Good!

- Forms predominantly used
- Photos of units were valuable

## Needs Work

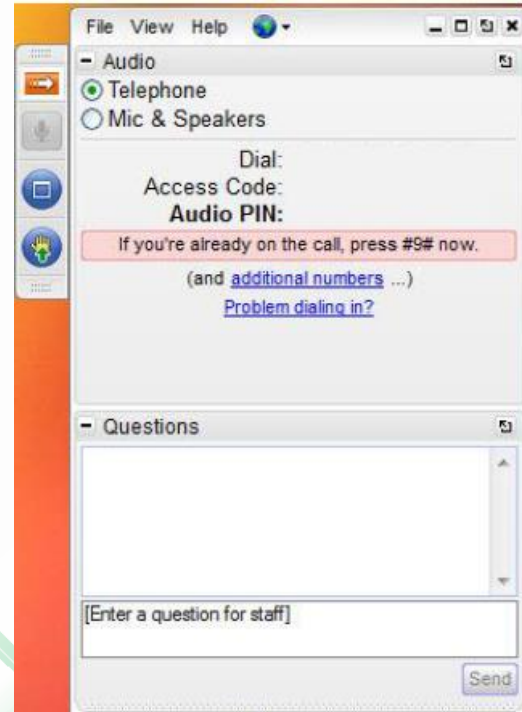
- Occasional issues regarding electronic signature
- Inserting photo into PDF did not always work
- Voicemail disruption

# Changes Coming to Forms

- Language change in signature box
- Continued accessibility improvements
- Electronic signature refinement
- Edits to EVSE model form

# Questions

- Questions can be sent via the GoToWebinar question box





# Review of Upcoming Deadlines

- Reporting to National Renewable Energy Laboratory
  - January 1, 2021
- OCPI implementation
  - July 1, 2021
- Labeling DCFC
  - January 1, 2022
- Labeling Level 2
  - July 1, 2023

# Review of Upcoming Deadlines

- Payment hardware requirements for NEW EVSE
  - DCFC January 1, 2022
  - Level 2 July 1, 2023
- Annual Inventory Report
  - March 1, 2022 for Calendar year 2021

# Reporting to NREL Alternative Fuels Data Center

- No later than six months after July 1, 2020, and thereafter at least once per month if there are any changes
- Each EVSP shall report to NREL in accordance with this subsection.
- Begins January 1, 2021

# CARB's Expectations for NREL Reporting

- Electric Vehicle Service Providers (EVSP) continue reporting via the method they already employ
- Information reported to NREL will be cross referenced with the annual inventory report
- Information to be reported
  - Station ID
  - Station Name
  - Phone number to call if a user has a problem at the station
  - Access type

# CARB's Expectations for NREL Reporting – Information to Be Reported (1 of 2)

- Access Days / Times
- Station Type
- Payment methods
- Payment Actions
- Geographic coordinates of the station
- Network
- Pricing information
- Open Date
- Address
- EVSE ID
- Geographic Coordinates of the EVSE
- Manufacturer of EVSE



# CARB's Expectations for NREL Reporting – Information to Be Reported (2 of 2)

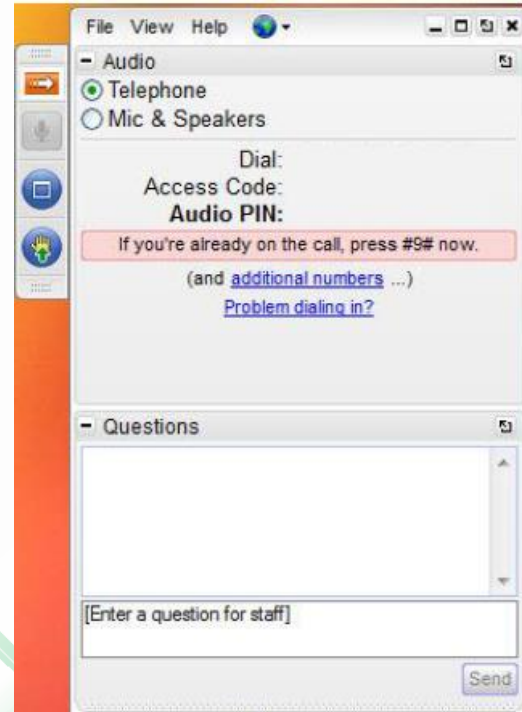
- Model of EVSE
- Serial Number of EVSE
- Power Sharing Capabilities
- Port ID
- Level of power
- Connectors

# Abby Brown, NREL

- Presentation

# Questions

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# Technology Review Topics

- Current EVSE hardware specifications
- Current EVSE payment hardware
- Contactless credit/debit cards market penetration
- Contactless preloaded credit card market penetration
- Payment card access for underserved communities
- Updates to consumer health and safety guidelines
- Market considerations on Gov. Newsom EO-N-79-20

# Open Discussion

- Audio will be enabled during this section
- Use the “raise hand” feature
- Questions in the chat box will also be answered



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