



Staff Workshop for Electric Vehicle Charging Infrastructure Training Requirements for CALeVIP

July 21, 2020



Thank You for Attending Remotely

Due to high traffic, you may experience technical difficulties during this webinar. We apologize for potential delays or compromised presentation quality.

The workshop recording will be posted on the event page:

<https://www.energy.ca.gov/event/workshop/2020-07/staff-workshop-electric-vehicle-charging-infrastructure-training>



Commitment to Diversity

The California Energy Commission (CEC) adopted a resolution on April 8, 2015 to firmly commit to increasing:

- Participation of women, minority, disabled veteran and LGBT business enterprises in program funding opportunities
- Outreach and participation by disadvantaged communities
- Diversity in participation at CEC proceedings
- Diversity in employment and promotional opportunities



Commitment to Diversity (cont.)

Fairness – Increasing funding accessibility to all Californians

Inclusion – Small businesses make up a significant portion of the U.S. economy

Job Creation – Projects can create jobs for residents of the under-served communities

Diversity of Ideas – Great ideas occur in a variety of areas

Diversity in Communities' Needs – Needs vary widely from one area to the next (air quality, socioeconomic, etc.)



Workshop Agenda

9:10 am Workshop Format

9:15 am Presentations

10:25 am Panel Discussion

10:45 am Public Comment

11:55 am Next Steps

12:00 pm Adjourn



Purpose of Workshop

Discuss and solicit stakeholder feedback on potential workforce training and certification requirements for electric vehicle (EV) charging infrastructure deployment.

Explore the range of issues requiring additional workforce training and certifications for EV charging infrastructure installation.



Workshop Participation

- Public comment taken after the presentations and discussion with presenters.
- During public comment period, use the “raise hand” feature in Zoom to request to speak or use the Q&A to type in your question.
- Encourage participants to also submit comments made today to the docket.



Submit Comments to CEC Docket 17-EVI-01

Electronic Commenting System

Visit the comment page for this docket at:

<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=17-EVI-01>

Comment by E-mail

E-mail: docket@energy.ca.gov

Subject Line: "17-EVI-01 EV Charging Infrastructure Training and Requirements for CALeVIP"

All comments due by 5:00 pm on July 31, 2020



Presentations



*California Electric Vehicle
Infrastructure Project*



Center for
Sustainable
Energy™



Electric Vehicle
EVITP™
Infrastructure Training Program





Discussion with Presenters

Moderator: Mark Wenzel



Workforce Size and Expansion

The state has ZEV goals of 5 million zero-emission vehicles on the road by 2030 and the installation of 250,000 chargers by 2025, with expected continued growth after that.

- 1) Can the existing workforce accommodate this growth? What is the total number of C-10 licensed contractors? What are the geographical trends in terms of growth/decline in licensing?
- 2) What are the challenges and/or opportunities to ensure a commensurate supply of C-10 licensed contractors to meet these goals?
- 3) How has the current health pandemic affected training, licensing, and certification? What measures are anticipated should the pandemic continue into 2021?



Electric Vehicle Infrastructure Training Program (EVITP): Training and Certification

- 1) What is the number of EVITP certified electricians and EVITP certified trainers in California today? What are the projections and assumptions for growth through 2030?
- 2) Where and when are EVITP training sessions offered in California for 2020 and 2021? How many electricians will receive the training? What is the cost to the trainee?
- 3) How is eligibility determined to take the training and to become EVITP certified? How is eligibility to become an EVITP trainer determined?
- 4) Is re-training offered or necessary as technology changes?



Training and Certification Requirements

- 1) What factors should the CEC and other funding entities consider in deciding whether to require EVITP certification for CALeVIP and other light-duty charging incentive programs? How should they evaluate the necessity or value of additional training? How could a requirement best be implemented?
- 2) What are the factors that should be consider in requiring EVITP certification for medium- and heavy-duty charging incentive programs?
- 3) What are the benefits or challenges to disadvantaged communities from EVITP certification requirements? Are there other measures CEC should consider to benefit vulnerable communities?
- 4) Should the CEC and/or local partners require EVITP certification for CALeVIP?



Public Comment/Discussion

Zoom Participants

- Use the “raise hand” feature to make verbal comments
- Use the Q&A feature to type in your question

Telephone Participants:

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

Written Comments

<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=17-EVI-01>



Next Steps



Thank You!

Please submit all written comments to:

<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=17-EVI-01>