| **DOCKETED** |
|-----------------|-----------------|
| **Docket Number:** | 17-EVI-01 |
| **Project Title:** | Block Grant for Electric Vehicle Charger Incentive Projects |
| **TN #:** | 233946 |
| **Document Title:** | 01 7-21-2020 Staff Workshop EV Charging Training |
| **Description:** | N/A |
| **Filer:** | Spencer Kelley |
| **Organization:** | California Energy Commission |
| **Submitter Role:** | Commission Staff |
| **Submission Date:** | 7/20/2020 9:00:04 AM |
| **Docketed Date:** | 7/20/2020 |
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:

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
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?
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 considered 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
Next Steps
Thank You!

Please submit all written comments to: