

**DOCKETED**

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| <b>Docket Number:</b>   | 17-EVI-01   |
| <b>Project Title:</b>   | Block Grant for Electric Vehicle Charger Incentive Projects |
| <b>TN #:</b>            | 230704  |
| <b>Document Title:</b>  | Future Equipment Requirements for CALeVIP Agenda            |
| <b>Description:</b>     | N/A   |
| <b>Filer:</b>           | Christina Cordero   |
| <b>Organization:</b>    | California Energy Commission                                |
| <b>Submitter Role:</b>  | Commission Staff  |
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## **Future Equipment Requirements for the California Electric Vehicle Infrastructure Project (CALeVIP)**

**November 18, 2019 – 10:00 a.m. – 3:00 p.m.  
1<sup>st</sup> Floor, Imbrecht Hearing Room**

10:00 am – 12:00 pm

### **CALeVIP Background and Current Equipment Requirements**

Brian Fauble, Fuels and Transportation Division

### **Updated Proposal for Future Equipment Requirements**

### **Analysis of Equipment Hardware and Software Technology**

Noel Crisostomo, Fuels and Transportation Division

[TBD], ENERGY STAR Program, U.S. Environmental Protection Agency

12:00 pm – 1:00 pm      Lunch

1:00 pm – 1:50 pm      Moderated Public Roundtable Discussion

### **Customer Charging Needs (25 minutes)**

1. What are customers' needs in the EV charging experience? What do customers like or want more of?
2. What are drivers' and site hosts' biggest challenges or frustrations in charging? How are these common or different across locations (residential, workplace, public, and other charging)?
3. How are drivers and site hosts managing the gaps between needs and frustrations? What solutions do they currently use to address their concerns?

### **Manufacturer Charging Products (25 minutes)**

1. What are manufacturers' solutions for customers' needs? What features are manufacturers planning for in their product roadmaps (detail: what, where, when)?
2. What are manufacturers doing to build chargers that accommodate future needs? What strategic investments are being made to lay the foundation necessary for long term value?
3. Do standards assist in manufacturers' development and production of interoperable charging solutions? What solutions are being used for the following use cases: Level 2, conductive or wireless charging, AC or DC, fast charging (or others)?
4. How are vehicle manufacturers' product commitments for California considered as part of broader marketing efforts, including on the scale of the international automotive market?

1:50 pm – 2:00 pm      Break

2:00 pm – 2:50 pm      Energy Commission Staff Presentations and Manufacturer Comments

### **Compliance, Testing, and Certification and EVSE Supply Chain Considerations**

Noel Crisostomo, Fuels and Transportation Division

### **Proposed Timelines for Implementation**

Brian Fauble, Fuels and Transportation Division

2:50 pm – 3:00 pm      Questions, Wrap Up, and Adjourn