

DOCKETED

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**Staff Workshop on Executive Order B-48-18 (“ZEV Executive Order”)
California Energy Commission
May 14, 2018**

10:00 AM Welcome, Introduction, Logistics, and Diversity John Butler

10:15 AM Overview of FY 2018/19 Alternative and Renewable Fuel and Vehicle Technology Program Investment Plan Update and Alignment with Executive Order B-48-18
Charles Smith

10:45 AM **Hydrogen Refueling Infrastructure:** Staff concepts that support existing vehicle deployments and provide advancements to drive market growth.
Jean Baronas

Competitive Solicitations

- Infrastructure support for light-duty vehicles
 - Economies of scale
 - Performance evaluation
 - Streamlined station location techniques

- Demonstration of medium-duty/heavy-duty hydrogen refueling in California from Los Angeles (Port) to the Central Valley
 - Infrastructure plan and coverage
 - Fueling protocols and open issues

- Infrastructure support for a centralized renewable hydrogen production facility and system
 - Service to California’s existing network of hydrogen refueling stations
 - Gas and liquid hydrogen supplies

12:00 PM -- Lunch Break

1:00 PM **Hydrogen Refueling Infrastructure (continued)**
Jean Baronas

Directed Projects

- Quantitative assessment of station cost
- Quantitative and qualitative assessment of network performance
- Streamlined administration, local planning and permitting

1:30 PM **Electric Vehicle Charging Infrastructure:** Staff concepts that support existing electric vehicle deployments and provide advancements to drive market growth.

Jennifer Allen

CALeVIP

- Projects that will provide support for the widest range of vehicles
 - Light-duty personal vehicles
 - Light- and medium-duty fleet vehicles
 - Heavy-duty vehicles and freight support

Competitive Solicitations

- Infrastructure support for heavy-duty vehicles
 - Specific key highway corridors to support freight
 - Key junction, resting, or home areas

- New technology and applications
 - Sidewalk/lamp post chargers
 - Automated garages
 - Charging plazas including charging at hydrogen refueling stations
 - Autonomous vehicle charging
 - Storage based and off-grid charging systems

- Support for car/ride sharing, ride hailing, “first/last mile” travel, Uber/Lyft, EV use in rural areas

Directed Projects

- Provide electric school bus chargers (not funded by Prop. 39)
- Pilot Projects (may be a mix of uses in bounded area)
- Projects that support ZEV readiness planning efforts

3:00 PM Public Discussion All

3:30 PM Adjournment All