



CALIFORNIA ENERGY COMMISSION

Advanced Freight Vehicle Infrastructure Deployment Pre-Application Workshop

Alternative and Renewable Fuel and Vehicle Technology Program

Sam Lerman

January 4, 2018



AGENDA

- Welcome
- Solicitation Overview
- Questions and Answers
- Adjourn



Supporting Policy Initiatives

- 2017-2018 Investment Plan Update for the ARFVTP
- California Sustainable Freight Action Plan
- California's ZEV Action Plan
- ARB Mobile Source Strategy
- Fixing America's Surface Transportation Act
- SB 350
- SB 132



Commitment to Diversity

The Energy Commission adopted a resolution on April 8, 2015, to firmly commit to:

- Increase participation of women, minority, disabled veteran and LGBT business enterprises in program funding opportunities
- Increase outreach and participation by disadvantaged communities
- Increase diversity in participation at Energy Commission proceedings
- Increase diversity in employment and promotional opportunities



Commitment to Diversity (Cont.)

Fairness – Increase 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.)



Solicitation Purpose

- **REQUIRED**
 - Deploy infrastructure for zero-emission or plug-in hybrid on-road class 3-8 freight moving vehicles or off-road cargo handling equipment
- **OPTIONAL**
 - Deploy innovative intelligent transportation system (ITS) strategies
 - Deploy permanent distributed energy resources for powering EV chargers
 - Conduct engineering assessments to analyze costs to fully transition freight facilities to zero-emission equipment



Funding

- \$22,257,799 total funding
- Public agency applicants may request up to 100% of total project costs. All other applicants may request up to 75% of total project costs
- \$1,000,000 minimum funding request
- \$8,000,000 maximum funding request
- Energy Commission reserves the right to increase/decrease total funding



Eligible Applicants

- ✓ All California seaports
- ✓ Regional warehouses and distribution centers that support freight movement



Project Requirements

Projects must:

- Deploy new or upgrade existing in-ground refueling infrastructure for battery electric or hydrogen fuel cell class 3-8 on-road freight vehicles having gross vehicle weight ratings (GVWR) of 10,001 lbs. or greater, or off-road cargo handling equipment used to transport goods within a California seaport, warehouse, or distribution facility
- Identify project benefits to disadvantaged communities.
- Provide a minimum 12 months of data collection.



Optional Categories

Projects may include innovative ITS strategies:

- Provide enhancing features not found in current ITS demonstrations
- Must have tangible environmental benefits for freight vehicles
- Funding for ITS projects is limited to installation of new or upgrades to existing roadside infrastructure.

Projects may include funding for Distributed Energy Resources

- Permanent stationary power sources (battery or fuel cell) that supply power to EV chargers

Applicants may request up to 5% of funding for engineering assessments to analyze existing site capacity and costs associated with infrastructure deployment necessary to fully transition freight facilities to zero-emission equipment.



Ineligible Projects

- Surveys
- Mobile refueling units
- Transportable DER
- The use of DER for purposes other than supplying power to electric vehicle chargers
- Test for regulatory compliance
- Activities not directly related to freight handling or movement
- Projects for ITS only with no requested Energy Commission funding for hydrogen or battery electric charging infrastructure
- Infrastructure that does not support class 3-8 on-road freight vehicles or off-road freight moving cargo handling equipment
- ITS projects that do not provide measurable environmental benefits



Disadvantaged Communities

- Must identify and describe how the project benefits Disadvantaged Communities (DAC)
- CalEnviroScreen (CES) 3.0 Tool must be used to determine and verify DACs
- DACs are defined as areas identified by CES 3.0 Tool and scored at or above the 75th percentile



Project Selection and Award

- Competitive grant application process
- Must pass administrative and technical screening criteria
- If pass, then subject to Technical Evaluation Criteria
- Minimum score of 70% required to be considered eligible for funding



Project Selection and Award (cont.)

- Applications ranked and recommended for funding according to final overall score
- Results released through Notice of Proposed Award (NOPA)
- Energy Commission will finalize project agreements
- Agreements approved at a Business Meeting



California Environmental Quality Act (CEQA)

- All projects are subject to CEQA review
- Applicants are strongly encouraged to identify the appropriate Lead Agency with authority to determine CEQA compliance
- Applicants must comply with CEQA within 6 months of NOPA release
- The extent of CEQA compliance will be evaluated in Technical Evaluation Scoring Criteria
- Projects must have documented CEQA compliance prior to approval at an Energy Commission Business Meeting



Application Requirements

- Application Form
- Project Narrative
- Scope of Work
- Schedule of Products and Due Dates
- Budget
- Contact List
- CEQA Worksheet
- Localized Health Impacts Information



Application WILL be rejected if...

- Application not received by the Contracts, Grants, and Loans Office by the specified due date and time
- Applicant does not provide the required authorizations and certifications to the Energy Commission
- Contains false or intentionally misleading statements or references or intended to mislead the State in its evaluation of the Application
- Applicant is not an Eligible Applicant
- Project is not an Eligible Project
- Application contains confidential information



Scoring: Possible Points

Team Experience and Qualifications	10
Innovation	20
Implementation	25
Budget	15
Environmental and Economic Benefits	30
Total	100
Minimum Passing Score (70%)	70



Remaining Schedule

- Deadline for Questions (5:00 p.m. on January 11, 2018)
- Distribute Answers (Week of January 15, 2018)
- **Application Deadline (February 12, 2018 by 5:00 pm)**
- Post NOPA (March 2018)
- Business Meeting Approval (May 2018)



Questions/Comments

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