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Pre-Solicitation Concepts for ZEV Infrastructure Manufacturing Projects

Larry Rillera Fuels and Transportation Division October 15, 2018



Webinar Agenda

- Welcome
- Overview Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP)
- Overview Pre-Solicitation Concepts
- Discussion
 - Funding Applicant Eligibility Project Requirements Eligible Activities Evaluation Criteria Scoring
- Public Comments
- Next Steps



ARFVTP In Statute



Assembly Bill No. 118

CHAPTER 750

An act to add Article 11 (commencing with Section 44125) to Chapter 5 All act to add Athere 14 Commensing with Section 4412310 (cnapter 5 of, to add Chapter 8.9 (commencing with Section 44270) to, Part 5 Division 26 of, and to add and repeal 44060,5 of, the Health and Safety Code, and to add and repeal Sections 9250.1, 9261.1, and 9853.6 of the Vehicle Code, relating to air pollution.

[Approved by Governor October 14, 2007. Filed with Secretary of State October 14, 2007.]

LEGISLATIVE COUNSEL'S DIGEST

AB 118, Nunez. Alternative fuels and vehicle technologies: funding (1) Existing law imposes various limitations on emissions of air Existing law imposes various immiations on emissions of an contaminants for the control of air pollution from vehicular and nonvehicular sources. Existing law generally designates the State Air Resources Board as the state agency with the primary responsibility for the control of vehicular as the state agency while the primary responsibility for the control of venetian air pollution. Under existing law, the State Energy Resources Conservation air poliution. Other existing law, the other Energy Resources Oniservation and Development Commission (Energy Commission), in conjunction with other state agencies, is required to develop and adopt a state plan to increase

Incuse or anternative lucus, as defined. Existing law establishes the Public Interest Research, Development, and Demonstration Fund in the State Treasury, and provides that the money

collected by the public goods charge to support cost-effective energy efficiency and conservation activities, public interest research and development not adequately provided by competitive and regulated markets, be deposited in the fund for use by the Energy Commission to develop. implement, and administer the Public Interest Research, Development, and Demonstration Program to develop technologies to, improve environmental Demonstration Program to develop deemologies to, improve environmental quality, enhance electrical system reliability, increase efficiency of energy using technologies, lower electrical system costs, or provide other

The bill would create the Alternative and Renewable Fuel and Vehicle tangible benefits.

Technology Program, to be administered by the Energy Commission, to provide, upon appropriation by the Legislature, grants, loans, loan provide, upon appropriation by the Legislature, grants, roans, ball guarantees, revolving loans, or other appropriate measures, to public agencies, businesses and projects, public-private partnerships, vehicle and technology consortia, workforce training partnerships and collaboratives, fleet owners, consumers, recreational boaters, and academic institutions to develop and deploy innovative technologies that transform California's fuel and vehicle types to help attain the state's climate change policies.

Established by AB 118 (Nunez, 2007) Extended thru January 1, 2024 by AB 8 (Perea, 2013)

Up to \$100 million per year

"...to develop and deploy innovative technologies that transform California's fuel and vehicle types to help attain the state's climate change policies." California Health and Safety Code 44272(a)



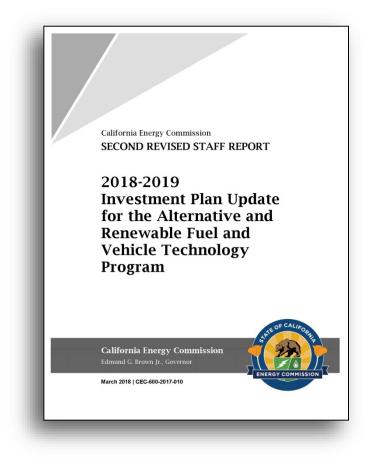
Investment Plan Purpose



Basis for solicitations, agreements, and other funding opportunities

Describes funding for technologies, fuels, and supporting elements

Funding allocations for categories (not individual projects)









EXECUTIVE ORDER B-16-12 EXECUTIVE ORDER B-48-18 2018 ZEV Action Plan Priorities Update

1 million ZEVs by 2023

1.5 million ZEVs by 2025

5 million ZEVs by 2030

250,000 EV chargers by 2025 (10,000 FC) 200 hydrogen stations by 2025



Purpose of Solicitation

- Fund projects that will support the manufacture of zeroemission vehicle (ZEV) infrastructure technologies.
- Goals:
 - addressing ZEV infrastructure
 - addressing greenhouse gas emission reductions
 - addressing increased economic activity of California supply chains



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.).



Pre-Solicitation Concepts

Solicitation Element	Section No.
Funding	3, 4, 10
Eligibility	1, 5, 7
Projects Requirements	8
Eligible Activities	9
Screening Criteria	13, 14
Scoring Criteria	15
Team Qualifications	
Business Operations	
Manufacturing Operations	
Implementation	
Budget	
Benefits	



Funding (3, 4, 10)



- Given \$10,000,000 in available funding, is the \$2,000,000 maximum award adequate?
- Is "up to 50%" appropriate?



Eligibility (1, 5, 7)



- Are there companies that manufacture <u>both</u> Electric Vehicle Supply Equipment (EVSE) and Hydrogen Refueling Station Equipment (HRSE) interested in submitting more than one application?
- Are there "upstream" products that should be considered as eligible?
- Is eligibility for workforce projects appropriate and clearly articulated?



Project Requirements (8)



- Are there additional elements that should be included under Project Requirements?
- Are there manufacturing tools, equipment, or services that should be identified?
- Are ineligible project types clear?





- Are there other activities that should be identified as Eligible Activities?
- What is the interest in allowing, as eligible, certification costs of manufactured products? What is the appropriate cap?
- Is the level of workforce training and development appropriate? (10% maximum of the total project cost.)



Screening Criteria (13, 14)



• Are there other Administrative or Technical Screening Criteria that should be included? Omitted?



Scoring Criteria (15)



- Review Appendix A Scoring Scale.
- Are there missing Scoring Criteria that should be addressed?
- Should projects with higher cash match be scored higher?
- Is Section 15. b. on "Business Operations" and confidentiality clearly understandable?
- A maximum of 100 points is identified. Is the distribution of points appropriate for the scoring areas?



Next Steps



- Section 6: Key Activities and Dates
- Comments Due October 17, 2018

https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=15-MISC-04

Comment title: "ZEV Infrastructure MFG"

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Evaluate Comments Received

