



CALIFORNIA ENERGY COMMISSION

Alternative and Renewable Fuel and Vehicle Technology Program

Advanced Vehicle Technology Manufacturing

Pre-Application Workshop (PON-14-604)

Darren Nguyen
September 19, 2014



Agenda

Welcome and Introductions

Solicitation Overview

Questions and Answers



Alternative and Renewable Fuels and Vehicle Technology Program (ARFVTP)

Assembly Bill No. 8

CHAPTER 401

An act to amend Sections 41081, 44060.5, 44125, 44225, 44229, 44270.3, 44271, 44272, 44273, 44274, 44275, 44280, 44281, 44282, 44283, 44287, 44299.1, and 44299.2 of, to add and repeal Section 43018.9 of, and to repeal Section 44299 of, the Health and Safety Code, to amend Sections 42885 and 42889 of the Public Resources Code, and to amend Sections 9250.1, 9250.2, 9261.1, and 9853.6 of the Vehicle Code, relating to vehicular air pollution, and declaring the urgency thereof, to take effect immediately.

[Approved by Governor September 28, 2013. Filed with Secretary of State September 28, 2013.]

LEGISLATIVE COUNSEL'S DIGEST

AB 8, Perea. Alternative fuel and vehicle technologies; funding programs.
(1) Existing law establishes the Alternative and Renewable Fuel and Vehicle Technology Program, administered by the State Energy Resources Conservation and Development Commission, to provide to specified entities, upon appropriation by the Legislature, grants, loans, loan guarantees, revolving loans, or other appropriate measures, for the development and deployment of innovative technologies that would transform California's fuel and vehicle types to help attain the state's climate change goals. Existing law specifies that only certain projects or programs are eligible for funding, including block grants administered by public entities or not-for-profit technology entities for multiple projects, education and program promotion within California, and development of alternative and renewable fuel and vehicle technology centers. Existing law requires the commission to develop and adopt an investment plan to determine priorities and opportunities for the program. Existing law also creates the Air Quality Improvement Program, administered by the State Air Resources Board, to fund air quality improvement projects related to fuel and vehicle technologies.

This bill would provide that the state board has no authority to enforce any element of its existing clean fuels outlet regulation or other regulation that requires or has the effect of requiring any supplier, as defined, to construct, operate, or provide funding for the construction or operation of any publicly available hydrogen-fueling station. The bill would require the state board to aggregate and make available to the public, no later than June 30, 2014, and every year thereafter, the number of hydrogen-fueled vehicles that motor vehicle manufacturers project to be sold or leased over the next 3 years, as reported to the state board, and the number of hydrogen-fueled vehicles registered with the Department of Motor Vehicles through April 30. The bill would require the commission to allocate \$20 million annually, as specified, until there are at least 100 publicly available hydrogen-fueling

- AB 8 (*Perea, Chapter 401, Statutes of 2013*) extends ARFVTP through January 1, 2024.
- Receives up to \$100 million per year to:
 - ❖ Transform California's transportation market into a diverse collection of alternative fuels and technologies and reduce California's dependence on petroleum.
 - ❖ Develop and deploy innovative technologies that transform California's fuel and vehicle types to help attain the state's climate change policies.



Solicitation Purpose

- ❖ Cost-share the development of manufacturing and/or assembly facilities in California that produce alternative fuel vehicles, advanced technology vehicles, and/or eligible vehicle components.
- ❖ Encourage investment in California-based manufacturing facilities that produce alternative fuel vehicles and/or eligible components that help the State meet greenhouse gas emissions and petroleum fuel demand reduction goals.



Funding

- Competitive grant solicitation
- **\$10 million** is the total funding available for this solicitation
- **\$3 million** is the maximum funding request per application
- **\$1 million** is the minimum funding request per application
- **50%** non-state match share including cash, or cash and in-kind
- CEC reserves the rights to increase/decrease funding amount



Eligible Applicants

- Open to business entities, vehicle and technology entities, and public-private partnerships
- Business presence in California.
- Registered and in good standing with the California Secretary of State



Eligible Projects

Manufacturing of complete alternative fuel vehicles or alternative fuel vehicle components (drivetrain, powertrain, or alternative fuel system) including:

- Pilot manufacturing lines
- Manufacturing line retooling
- Expansion of existing manufacturing lines
- Addition of a new manufacturing line



Definitions

“Manufacturing” means the manufacture, assembly, or production of product(s).

“Eligible vehicle” means a two- or four-wheel passenger or commercial light-duty vehicle, a medium- or heavy-duty truck, buses, or non-road vehicles. Eligible vehicles must use an electric or hybrid-electric propulsion system, electric battery or hybrid-electric storage systems, or an alternative fuel propulsion system.

“Eligible component” means a manufactured component whose use is specifically integrated into the drive train or power train or alternative fuel system of an alternative fuel vehicle.



Projects Not Eligible

- Paper studies (e.g., funding feasibility, engineering studies)
- Surveys
- Research
- Prototype testing to meet certification protocol



Project Selection and Award

- Competitive grant application process.
- Must pass Screening Criteria and Scoring Criteria.
- Must achieve a score of at least 70% (21 of 30 points) under the Business Plan scoring criterion.
- Must achieve an overall score of at least 70% to be considered for funding.



Project Selection and Award

- Proposals ranked and recommended for funding according to overall score.
- Results released through a published Notice of Proposed Award (NOPA).
- Energy Commission will finalize agreement documents.
- Agreement presented at a Business Meeting for approval .



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 scoring criteria
- No project can be approved at an Energy Commission Business Meeting without documented CEQA compliance.



Application Requirements

- ❖ **Proposal Cover Page:** Must include a complete and signed cover page shown in Attachment 1.
- ❖ **Executive Summary:** Must include project description, project goals, projected costs and yields, and any other quantitative and measurable objectives to be achieved (1 page limit).
- ❖ **Project Narrative:** Detailed description of the proposed project, including the entity that will own and operate the proposed project, and operational goals and objectives. Includes responses to scoring criteria. (20 Page limit)



Application Requirements

- ❖ **Scope of Work and Schedule:** Attachments 2 and 4. All work must be scheduled for completion by **March 31, 2019.**
- ❖ **Project Team:** Identify all personnel assigned to the project and their areas of responsibility. Include resumes of key personnel. Provide letters of commitment from project partners.
- ❖ **Budget:** Complete budget forms contained in attachment 5, major subcontractor (s) required to complete attachment 5 separate from the Recipient.



Application Requirements

- ❖ **CEQA Compliance Form:** Must complete Attachment L. The Energy Commission requires this information to assist its own determination under the California Environmental Quality Act.
- ❖ **Local Health Impacts Information:** Must complete Attachment 8. The Energy Commission requires this information to comply with the Air Quality Guidelines for the ARFVT Program.



Applications WILL be Rejected if...

- Application not received by the Energy Commission's Grants and Loans Office by the specified due date and time.
- Cover Page not signed by authorized representative.
- Minimum 50% non-state match funding not in budget.
- Source of match funding not disclosed or the application does not provide verification and documentation for the match funding, including letters of commitment from project partners.
- Project partners are not identified or documentation confirming their participation is not provided.
- Project is not an Eligible Project (Section II).
- Application contains confidential information.



Applications MAY be Rejected if...

- Any Application Requirement (Section III) item listed is missing or incomplete.
- Budget (Attachment 5) or Scope of Work (Attachment 2) forms are missing or incomplete.

Read the complete Program Opportunity Notice for full application requirements.



Scoring Criteria

1. Qualifications of the Project Team	10 points
2. Business Plan	30 points
3. Project Implementation	10 points
4. Project Budget	20 points
5. Benefits	<u>30 points</u>
Total:	100 points



Tentative Schedule

Solicitation Release	September 9, 2014
Proposal Workshop	September 19, 2014
Deadline to Submit Questions	September 22, 2014
Post Answers	~ October 10, 2014
Application Deadline	November 7, 2014, 3 pm
Post Notice of Proposed Awards	~ January 9, 2015
Commission Business Meeting	~ March 18, 2015



Questions

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*Recommend all questions be submitted in writing
and emailed.*