Planning for Zero-Emission Vehicles
PON-14-603

Staff Workshop
California Energy Commission

September 18, 2014

Leslie Baroody
Emerging Fuels and Technologies Office
Fuels and Transportation Division
Agenda

10:00  Welcome and Introductions

10:15  Presentation on PON-14-603
       Leslie Baroody, EV Program Manager
       Jennifer Allen, Supervisor in Emerging Fuels and Technologies Office

11:00  Questions and Answers

12:00  Conclusion
Assembly Bill 8
(Perea, Chapter 401, Statutes of 2013)

Extends ARFVTP funding through January 1, 2024

✓ $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.” (Health and Safety Code Section 44272(a))
ZEV Action Plan Goals

**By 2015**
- The State’s major metropolitan areas will be able to accommodate ZEVs through infrastructure plans and streamlined permitting

**By 2020**
- The State’s ZEV infrastructure will be able to support up to 1 million vehicles
- ZEVs will be accessible to mainstream consumers

**By 2025**
- Over 1.5 million ZEVs will be on California roadways and their market share will be expanding
- Californians will have easy access to ZEV infrastructure
Previous Planning Solicitations

PON-10-602-- $2 million for 10 Regional PEV Readiness Plans
Assists California’s regions to develop regional strategic PEV plans to support the deployment of PEVs. Includes best practices for “PEV-ready” building and public works guidelines, streamlining of EVSE permitting, installation and inspection processes and infrastructure plans.

PON-13-603--$2.1 million, first-come, first-served funds
Will help to prepare California for the increased use of alternative transportation fuels by funding Alternative Fuel Readiness Plans that will provide strategies for the deployment of alternative fuel infrastructure and encourage adoption of alternative fuel vehicles.
## Energy Commission and DOE Regional PEV Planning Grants

<table>
<thead>
<tr>
<th>Awardee</th>
<th>CEC $</th>
<th>DOE $</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bay Area Air Quality Management District</td>
<td>$200,000</td>
<td>$300,000</td>
</tr>
<tr>
<td>Monterey Bay Area (BAAQMD)</td>
<td>$200,000</td>
<td>NA</td>
</tr>
<tr>
<td>Coachella Valley Association of Governments</td>
<td>$200,000</td>
<td>NA</td>
</tr>
<tr>
<td>Redwood Coast Energy Authority</td>
<td>~$200,000</td>
<td>NA</td>
</tr>
<tr>
<td>Sacramento Area Council of Governments</td>
<td>$200,000</td>
<td>$75,000</td>
</tr>
<tr>
<td>San Diego Association of Governments</td>
<td>~$200,000</td>
<td>$100,000</td>
</tr>
<tr>
<td>San Joaquin Unified Air Pollution Control District</td>
<td>$200,000</td>
<td>$75,000</td>
</tr>
<tr>
<td>City of Mt. Shasta</td>
<td>$200,000</td>
<td>NA</td>
</tr>
<tr>
<td>South Coast Association of Governments</td>
<td>$200,000</td>
<td>$300,000</td>
</tr>
<tr>
<td>Ventura County Air Pollution Control District</td>
<td>$200,000</td>
<td>$50,000</td>
</tr>
</tbody>
</table>
## Awards for Alternative Fuel Readiness Plans PON-13-603

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Project Title</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Redwood Coast Energy Authority</td>
<td>Northwest California Alternative Fuels Readiness</td>
<td>$300,000</td>
</tr>
<tr>
<td>Monterey Bay Unified Air Pollution Control District</td>
<td>Monterey Bay Alternative Fuel Ecosystem</td>
<td>$300,000</td>
</tr>
<tr>
<td>County of Santa Barbara</td>
<td>Central Coast Alternative Fuel Readiness Project</td>
<td>$299,910</td>
</tr>
<tr>
<td>San Diego Association of Governments</td>
<td>San Diego Regional Alternative Fuel Readiness Project</td>
<td>$300,000</td>
</tr>
<tr>
<td>City of Davis</td>
<td>Davis Alternative Fuel Readiness Plan</td>
<td>$200,000</td>
</tr>
<tr>
<td>South Coast Air Quality Management District</td>
<td>Hydrogen Readiness in Early Market Communities</td>
<td>$299,360</td>
</tr>
<tr>
<td>Association of Governments of San Mateo Co.</td>
<td>Alternative Fuel Readiness Plan for San Mateo County</td>
<td>$275,810</td>
</tr>
<tr>
<td>City and County of San Francisco</td>
<td>San Francisco Alternative Fuels Readiness Project</td>
<td>$300,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$2,275,080</strong></td>
</tr>
</tbody>
</table>
$3.3 Million Available for Zero-Emission Vehicle Readiness to Support New and Existing Planning Efforts for:

- Plug-in Electric Vehicle (PEV) Readiness
- Hydrogen Fuel Cell Electric Vehicle (FCEV) Readiness
PON-14-603 Funding

1. $3.3 million available for:
   A) PEV Readiness Plan Implementation
   B) PEV Readiness Plan Development
   C) Fuel-Cell Electric Vehicle Readiness

2. Grants awarded on a “first come, first-served” basis
   Applications accepted until funds are exhausted or by December 2, 2014 by 3:00 p.m., whichever occurs first.

3. No match funding required
# Funding Category Allocations and Award Amounts

<table>
<thead>
<tr>
<th>Category</th>
<th>Category Name</th>
<th>Minimum Award</th>
<th>Maximum Award</th>
<th>Total Funding Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>PEV Readiness Plan Implementation</td>
<td>$50,000 per application</td>
<td>Up to $300,000 per application</td>
<td>$1,500,000</td>
</tr>
<tr>
<td>B</td>
<td>PEV Readiness Plan Development</td>
<td>$50,000 per application</td>
<td>Up to $300,000 per application</td>
<td>$900,000</td>
</tr>
<tr>
<td>C</td>
<td>FCEV Readiness</td>
<td>$10,000 per application</td>
<td>Up to $300,000 per application</td>
<td>$900,000</td>
</tr>
</tbody>
</table>
Funding Restrictions

Category A

- PEV Awareness: A maximum of $50,000 of Energy Commission funding
- Local Government Code Adoption and Training:
  - A maximum of $20,000 of Energy Commission funding per city
  - A maximum of $60,000 of Energy Commission funding per application.

Category B:

- Regional PEV Readiness Plan: $200,000 maximum per application
- PEV Awareness: A maximum of $50,000 of Energy Commission funding
- Local Government Code Adoption and Training:
  - A maximum of $20,000 of Energy Commission funding per city
  - A maximum of $60,000 of Energy Commission funding per application.

Category C: No funding restrictions
Maximum Number of Applications

- Applicants may submit up to two applications:
  One under Category A or B
  and
  One under Category C

- Application submittals exceeding the maximum allowed will be rejected.
Eligible Applicants

**Categories A and C:** California public entities that can meet the requirements of this solicitation.

**Category B:** California public entities that can meet the requirements of this solicitation and have plans to establish a plug-in electric vehicle coordinating council (PEVCC).
Eligible Projects for Category A

PEV Readiness Plan Implementation:

a. Permitting and Inspection Process
b. EVCS Installation Process
c. EVCS Siting
d. Signage
e. PEV awareness
f. Local Government Code Adoption and Training
Eligible Projects for Category B

PEV Readiness Plan Development:

- For regions that do not have a PEV Readiness Plan adopted or under development.
- Applicant must approve a PEV Coordinating Council adopted draft PEV Readiness Plan first before conducting solicitation activities.
- Applicants must show they are referring to existing PEV readiness plans for guidance and include the components listed.
- Maximum of $200,000 CEC funds for development of Regional PEV Readiness Plan.
- Applicants for Category B may also apply for Category A activities, but PEVCC must first adopt plan before activities may begin.
Eligible Projects for Category C

Fuel-Cell Electric Vehicle Readiness:

- Applicant must refer to existing regional planning document
- Regional Hydrogen Refueling Infrastructure Plan
- Streamlining the Permitting Process for Hydrogen Refueling Stations
- Promotion of FCEV Use
- Training
- Safety Assessments
- Incorporation of FCEVs in Municipal Fleets
- Signage
- Site Readiness
Application Format

• Page Limitations
  • Activity Description Sheets (Attachment 1-a) for PEV Readiness and Regional Hydrogen Refueling Infrastructure Plans: 5 pages maximum.
  • Activity Description Sheets (Attachment 1-a) for all other activities: 1 page maximum each.
  • Letter(s) of Support: 2 pages maximum each.
  • Resumes: 2 pages maximum each.

• Applicants must submit the original and 7 copies of the application.
**Required Documents**

- Application Form
- Activity Description Sheet(s)
- Scope of Work
- Schedule of Products and Due Dates
- Project Team
- Budget Forms
- Contacts List
- Letter(s) of Support/Commitment
- CEQA Compliance Form
- Localized Health Impacts Information
- ARFVTP Funding Restrictions Certification
Activity Description Sheet(s)

- Applicants must submit separate Activity Description Sheet(s) (Attachment 1-a) for EACH selected activity.

- Descriptions must address ALL applicable criteria of the Technical Screening Criteria in the PON.

- Failure to complete these requirements will result in failure of the application.
Evaluation Process and Criteria

1. Applications accepted on a “first-come, first-served” basis

2. Applicant must pass all administrative screening criteria or will be disqualified

3. If administrative screening passed then applicant continues to technical screening

4. Applicants passing technical screening will be recommended for funding until all funds available through solicitation have been committed
Administrative Screening Criteria

1. The application is received by the Energy Commission’s Contracts, Grants and Loans Office by the specified due date and time specified in Section I of this solicitation.

2. The Application Form (Attachment 1) is complete and signed by the Applicant’s authorized representative.

3. The application does not contain confidential information or has any portion of the application marked as confidential.

4. The Applicant agrees to the Terms and Conditions (Attachment 9), to the Special Terms and Conditions (Attachment 10), and to meet all requirements of the solicitation by signing the Application Form. The application does not include any statement in the application that acceptance is based on modifications to those terms and conditions.

5. The application is prepared in the mandatory format described

6. The budget forms are filled out completely.
Grounds to Reject an Application

- The application contains false or intentionally misleading statements or references which do not support an attribute or condition contended by the Applicant.

- The application is intended to erroneously and fallaciously mislead the State in its evaluation of the application and the attribute, condition, or capability is a requirement of this solicitation.

- The application does not literally comply or contains caveats that conflict with the solicitation and the variation or deviation is material or it is otherwise non-responsive.

- The application does not contain all of the information identified in the Application Requirements.

- The Applicant has previously received funding through a Public Interest Energy Research (PIER) agreement, has received the PIER Royalty Review letter which the Energy Commission annually sends out to remind past recipients of their obligations to pay royalties, and has not responded to the letter or is otherwise not in compliance with repaying royalties.
Category A—PEV Readiness Plan Implementation
- Eligibility of applicant and project
- Project description and activity descriptions
- Project collaboration and coordination
- Funding maximums for certain activities

Category B—PEV Readiness Plan Development
- Eligibility of applicant and project
- Region description and need for planning
- Description of PEV Coordinating Council and regional team members
- Lead public entity that will accept and administer award
- Description of the development of the Regional PEV Readiness Plan
- Descriptions of selected activities, funding amount, justification
- PEVCC letters of support/commitment
- Funding maximums for certain activities
- Reference to existing PEV Readiness Plans for guidance
Technical Screening Continued

Category C: FCEV Readiness

- Eligibility of applicant and project
- Identification of project region
- Project description and activity descriptions and measurable objectives to be achieved
- Separate activity description sheet for each selected activity and funding amount requested
- Summary of selected activity, current situation, gaps and how activity to be conducted
- Discuss how funds will be used to address identified gaps and justification
- Project collaboration and coordination
<table>
<thead>
<tr>
<th>Key Activity</th>
<th>Action Date</th>
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<tbody>
<tr>
<td>Solicitation Release</td>
<td>September 9, 2014</td>
</tr>
<tr>
<td>Written Questions</td>
<td>September 16, 2014—December 2, 2014 by 3:00 p.m. until funds are exhausted</td>
</tr>
<tr>
<td>Distribute Q/A and Addenda (if any)</td>
<td>September 19—December 2, 2014 by 3:00 p.m or until funds are exhausted</td>
</tr>
<tr>
<td>Submit Applications</td>
<td>September 9—December 2, 2014 by 3:00 p.m. or until funds are exhausted</td>
</tr>
<tr>
<td>Anticipated NOPA</td>
<td>Continuous, as needed</td>
</tr>
<tr>
<td>Anticipated CEC Business Meeting Date and agreement start date</td>
<td>Various</td>
</tr>
</tbody>
</table>
Contact Information

Please submit your questions to:

Phil Dyer, Commission Agreement Officer
California Energy Commission
1516 Ninth Street, MS-18
Sacramento, California 95814
Telephone: (916) 654-4651
FAX: (916) 654-4423
E-mail: Phil.Dyer@energy.ca.gov
Questions?