Clean Cities FY09 Petroleum Reduction Technologies Projects for the Transportation Sector

Funding Opportunity Number: DE-PS26-09NT01236-00

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California Energy Commission

Funding Area of Interest 4 (DE-PS26-09NT01236-04)
Alternative Fuel and Advanced Technology Vehicles Pilot Program

Seeking applications for projects that expand the use of alternative fueled vehicles and advanced technology vehicles. The installation or acquisition of infrastructure necessary to directly support an alternative fueled vehicle or advanced technology vehicle is also eligible. Limited expenses associated with operation and maintenance of vehicles, infrastructure and other associated equipment acquired through the program are also allowable.

- As required by section 721 of the EPACT 2005, prospective applicants shall be limited to State or local governments or a metropolitan transportation authority, or combinations of these, AND a designated Clean Cities Coalition in order to apply to the program funding. Any of these 4 entities may be the lead applicant.

- Special preference shall be for “Shovel Ready” applications that can rapidly implement vehicles and/or supporting fueling infrastructure projects while accelerating job creation and economic benefit. These “Shovel Ready” projects are expected to be well understood and mature, with design completed, sites ready for activation, and all permits approved. For projects that are in less mature design phases, proposals shall include realistic schedules required to complete the project within the project period of performance.

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Vehicles that will be eligible under this area of interest are as follows:

Light, Medium and Heavy Duty Vehicles

- Vehicles using alternative fuels recognized by Energy Policy Act
- Fuel Cell Electric Vehicles
- Electric Hybrid Vehicles
- Plug-in Hybrid Electric Vehicles

Light Duty Vehicles (only):

- Neighborhood Electric Vehicles (only if replacing full size on-road vehicles)
- Diesel Vehicles with 2009 MY or later emissions compliant (only if replacing gasoline powered vehicles and in conjunction with biodiesel fuel use)

Medium- and Heavy-Duty Vehicles (only):

- Hydraulic Hybrid Vehicles

Off-Road/Non-Road Alternative Fuel or Advanced Technology Vehicles:

- Ground Support Vehicles at Public Airports
- Medium and Heavy duty freight loading and handling high fuel use vehicles at ports or intermodal freight operations
- Other limited applications in conjunction with primarily on-road project

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Vehicle Incremental Cost DOE Funding Limitations (not to exceed actual cost):

- For neighborhood electric vehicles: **$2,000 per vehicle**
- For light duty hybrid vehicles, and light duty diesel vehicles: **$2,000 per vehicle**
- For light duty fuel cell vehicles: **$500,000 per vehicle**
- For all other light duty alt fueled and advanced technology vehicles: **$50,000 per vehicle**
- For medium/heavy duty electric vehicles, and/or medium/heavy duty hybrids/plug-in hybrids powered exclusively by alternative fuels: **$500,000 per vehicle**
- For medium/heavy duty fuel cell vehicles: **$1,000,000 per vehicle**
- For all other medium duty and heavy duty alternative fueled and advanced technology vehicles: **$200,000 per vehicle**
- For all off-road alternative fuel or advance technology vehicles: **$50,000 per vehicle**

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Refueling Infrastructure Requirements:

- New dispensing facilities, or additional equipment or upgrades and improvements to existing refueling sites.
- Upgrading or modifying private fueling stations to allow public and/or shared fleet access.
- Facility upgrades or building modifications that are necessary to accommodate alternative fuels for fleet garages and other maintenance/service centers
- Refueling infrastructure will be given extra consideration if the facilities are shared or have open access to multiple fleets and/or are accessible by the public.
- Refueling equipment and infrastructure must be designed, installed and maintained as required by the existing recognized codes and standards and approved by the local/state Authority Having Jurisdiction (AHJ).
- Eligible infrastructure costs must be limited to the development of the refueling capability and related service/support for alternative fuel and/or advance technology vehicles.
- There is no maximum limit or percentage for DOE share of infrastructure, however the 50% cost share required for the total project must be maintained.

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Other General Requirements:

- Operation and Maintenance costs are limited to no more than 5% of the total project cost. Eligible operation and maintenance costs are limited to costs specific to operating vehicles or fueling infrastructure for alternative fuel or advanced technologies (i.e. costs above and beyond those associated with operating conventional vehicles and/or fueling equipment). For example, funding cannot be used for fuel, tires, driver salaries, etc.

- Applicants will be required to provide appropriate training for individuals associated with this project in partnership with their local Clean Cities coalition about the benefits of alternative fuel and advanced technology vehicles and provide them with strategies that will help them to maximize these benefits. This could include training for vehicle operators, first responders, public safety officers, and construction permitting officials in areas where alternative fuels are being introduced, among other target audiences.

- Proposals shall include a public awareness campaign aimed at educating the community in which the applicant is located about the project and its accompanying benefits. If publicly accessible facilities are included, the applicant must provide a marketing plan that includes any incentives and/or promotions to inform and educate the public on the availability and benefits of the fuel(s) being sold.

Eligible Fueling Infrastructure Cost Expenses in AOI #1 and AOI #4

AOI #1A*	AOI #1B*	AOI #4**
Biofuels Retail Infrastructure	Other Alt Fuels & Terminal Blending Infrastructure	All Fueling Infrastructure
Publicly Accessible Only	Public or Private extra consideration for public	Public or Private extra consideration for public
Up to 50% of incremental cost not to exceed $50,000 per site	Up to 50% of incremental cost not to exceed $150,000 per site	No maximum limit or percentage per site

* AOI #1 has a 50/50 cost share requirement per project and DOE funding award limits of $150,000 to $1,000,000
** AOI #4 has a 50/50 cost share requirement per project and DOE funding award limits of $5M to $15M.

Eligible Per Vehicle Incremental Cost Expenses in AOI #2 and AOI #4

Vehicle Type	AOI #2*	AOI #4**
LD AFV	Up to 50% of incremental cost	$50,000***
LD FCV	Up to 50% of incremental cost	$500,000***
LD Hybrid	Not eligible	$2,000***
LD Plug-in	Not eligible	$50,000***
LD Diesel	Not eligible	$2,000***
NEV	Up to 50% of incremental cost	$2,000***

* AOI #2 has a 50/50 cost share requirement per project and DOE funding award limits of $200,000 to $500,000
** AOI #4 has a 50/50 cost share requirement per project and DOE funding award limits of $5M to $15M.
***AOI #4 funds actual incremental cost, up to the specified limit.

Eligible Per Vehicle Incremental Cost Expenses in AOI #2 and AOI #4

Vehicle Type	AOI #2*	AOI #4**
MD/HD AFV	Up to 50% of incremental cost	$200,000***
MD/HD FCV	Up to 50% of incremental cost	$1,000,000***
MD/HD Hybrid	Not eligible	$200,000***
MD/HD Plug-in	Not eligible	$200,000***
MD/HD EVs and/or MD/HD Hybrids powered by alt fuels	Up to 50% of incremental cost	$500,000***
MD/HD Diesel	Not eligible	Not eligible

* AOI #2 has a 50/50 cost share requirement per project and DOE funding award limits of $200,000 to $500,000
** AOI #4 has a 50/50 cost share requirement per project and DOE funding award limits of $5M to $15M.
***AOI #4 funds actual incremental cost, up to the specified limit.

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Estimated Funds Available: $300M

Expected Number of Awards: up to 30 awards

Anticipated Award Size: $5M minimum to $15M maximum

Period of Performance: 4 years (including 2 years of data collection)

Cost share: Total project 50% cost share is required for Area of Interest 4.

Schedule for FY 09 Clean Cities Program Solicitation

1. Weblink for solicitation: http://www.grants.gov/

2. Due Date For Proposals:
   - Areas of Interest 1, 2, 3: **March 31, 2009**
   - Area of Interest 4: **May 29, 2009 (Round 1) and Sept. 30, 2009 (Round 2)**

3. Award Dates:
   - Areas of Interest 1, 2, 3: Notify applicants selected for award by June 09 & awards by September 09.

   - Area of Interest 4: Notify Round 1 applicants selected for award by August 09, and awards by September 09, and notify Round 2 applicants selected for award by December 09 and awards by February 2010.

Schedule for FY 09 Clean Cities Program Solicitation

4. Total Estimated Funding Available:
   - Areas of Interest 1, 2, 3: **$6 million** in DOE funds over 2 year funding period (i.e. $3 million in FY 09 funds & $3 million in FY 10 funds).

Note: All funding estimates are contingent upon final Federal budget appropriations for FY09 and FY10.

   - Area of Interest 4: **$300 million**

5. Specific questions regarding the content of the announcement must be submitted through the "Submit Question" feature of the DOE Industry Interactive Procurement System (IIPS) at http://e-center.doe.gov. Locate the program announcement on IIPS and then click on the "Submit Question" button.

6. Questions relating to the registration process, system requirements, how an application form works, or the submittal process must be directed to Grants.gov at 1-800-518-4726 or support@grants.gov. DOE cannot answer these questions.

Schedule for FY 09 Clean Cities Program Solicitation

7. Other Questions should be directed to:

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