

**CALIFORNIA ENERGY COMMISSION**

1516 NINTH STREET  
SACRAMENTO, CA 95814-5512  
www.energy.ca.gov



## **REVISED NOTICE OF PROPOSED AWARD**

### **Alternative and Renewable Fuel and Vehicle Technology Program Grant Solicitation PON-10-603 Advanced Medium-and Heavy-Duty Vehicle Technologies Pre-Commercial Demonstrations**

**March 8, 2012**

On August 19, 2011, the California Energy Commission (Energy Commission) released a Grant Solicitation Application Package entitled “Advanced Medium-and Heavy-Duty Vehicle Technologies Pre-Commercial Demonstrations” under the Alternative and Renewable Fuel and Vehicle Technology Program. The purpose of this competitive block grant solicitation is to demonstrate and enhance market viability acceptance of near-term commercial applications of alternative technologies and alternative fueled vehicles, for use in California’s commercial goods movement, transit, and other sectors. Applications were received from not-for profit-technology entities to administer, manage, and coordinate demonstration projects for advanced, alternative technology medium-and heavy-duty vehicles for near commercial on- and off-road applications that would reduce greenhouse gas emissions and reduce petroleum use.

The attached revised table, “REVISED Notice of Proposed Awards (March 8, 2012)”, identifies the applications and projects recommended for funding by the Energy Commission staff, the amount of recommended funding, and scoring information. The Notice of Proposed Awards posted February 10, 2012, listed only the project budget and did not calculate the allowable administrative costs of up to 5 percent of the total award.

This Revised Notice of Proposed Awards reflects the addition of the 5 percent administrative costs for each successful applicant. The following table shows the requested and proposed administrative costs (as a percentage of the total award) for each awardee.

Applicant	Requested Administrative Cost	Proposed Administrative Cost
Electric Power Research Institute (EPRI)	22%	5%
Electricore, Inc.	5%	5%
Institute of Gas Technology d/b/a Gas Technology Institute (GTI)	5%	5%
CALSTART, Inc.	5%	5%

This revised notice is being mailed to all parties who submitted an application to this solicitation and is also posted on the Energy Commission's web site at <http://www.energy.ca.gov/contracts/index.html>.

Funding of proposed projects resulting from this solicitation remains contingent upon the approval of these projects at a publicly noticed Business Meeting at the Energy Commission in Sacramento, California, and execution of a grant agreement.

The Energy Commission may increase the total amount of funding available for this solicitation up to \$26,940,000 to fund qualified projects that did not receive funding in this Notice of Proposed Awards, if funds become available for that purpose. If funds are added, the Energy Commission will go down the ranked list of applications, and the ranked list of projects within those applications, to identify applications and projects to receive additional funding. Applicants would be notified of the new awards in a revised NOPA.

Questions should be directed to: Sarah K. Williams, Grants Officer  
California Energy Commission  
1516 Ninth Street, MS-1  
Sacramento, CA 95814  
(916) 654-4584

**California Energy Commission**  
**Alternative and Renewable Fuel and Vehicle Technology Program**  
**Solicitation PON-10-603**  
**Advanced Medium-and Heavy-Duty Vehicle Technologies Pre-Commercial Demonstrations**



REVISED Notice of Proposed Awards

March 8, 2012

Proposal Number	Applicant	Total Funds Requested	Project Title	Individual Project Funds Requested	Proposed Award for Battery Electric or Hybrid Electric Demonstration Projects	Proposed Award for Alternative Fueled Vehicle Technologies Demonstration Projects*	Proposed Administrator Costs (up to 5% of total award)	Total Proposed Award	Application Score	Project Score	Rank
<b>Proposed Awards</b>											
7	Electric Power Research Institute (EPRI)	\$1,185,118.00	Electric Power Research Institute: Retrofit Plug-in Hybrid Electric Truck Project				\$48,210.00	\$964,210.00 \$1,185,118.00	83%		
			<i>Retrofit Plug-in Hybrid Electric Truck Project</i>	\$916,000.00 \$1,185,118.00	\$916,000.00 \$1,185,118.00	\$0.00		\$916,000.00 \$1,185,118.00		80.4%	Awardee
3	Electricore, Inc.	\$6,465,399.00	Electricore Consortium Alternative and Renewable Fuel Truck Pre-Commercial Demonstration Program				\$116,298.00	\$2,325,954.00 \$2,209,656.00	81%		
			<i>ZeroTruck Corp.: ZeroTruck Battery Electric Medium Duty Truck Demonstration</i>	\$2,209,656.00	\$1,636,286.00	\$573,370.00		\$2,209,656.00		77.9%	Awardee
4	Institute of Gas Technology dba Gas Technology Institute (GTI)	\$5,971,444.00	GTI Medium-and Heavy-Duty Vehicle Targeted Transportation Technologies Demonstrations				\$228,127.00	\$4,562,532.00 \$4,334,405.00	80%		
			<i>Navistar Natural Gas MaxxForce 13</i>	\$2,702,137.00		\$2,702,137.00		\$2,702,137.00		83.3%	Awardee
			<i>Plug-in LNG Hybrid Heavy-Duty Truck (PLHT)</i>	\$1,632,268.00		\$1,632,268.00		\$1,632,268.00		72.9%	Awardee

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6	CALSTART, Inc.	\$26,197,347.00	California CLEAN Truck Demonstration Program				\$454,365.00	\$9,087,304.00 <del>\$9,210,821.00</del>	78%		
			Electric Vehicle International (EVI): <i>Range Extended Electric Vehicle Shuttle Bus Demonstration</i>	\$847,805.00	\$847,805.00			\$847,805.00		83.5%	Awardee
			Caterpillar Inc.: <i>Off-Road Large-Size Hybrid Excavator</i>	\$2,500,000.00	\$2,500,000.00			\$2,500,000.00		81.3%	Awardee
			Odyne Systems LLC: <i>Advanced Diesel Plug-In Hybrid Electric Truck</i>	\$462,600.00	\$462,600.00			\$462,600.00		79.9%	Awardee
			Motiv Power Systems: <i>Battery-Electric Truck Pilot on a Traditional Truck Assembly Line</i>	\$1,157,704.00	\$1,157,704.00			\$1,157,704.00		79.1%	Awardee
			Caterpillar Inc.: <i>Electric Diesel Hybrid mini (5-ton) Hydraulic Excavator</i>	\$1,150,487.00	\$1,150,487.00			\$1,150,487.00		77.8%	Awardee
			Azure Dynamics Incorporated: <i>Propane PHEV Parcel Delivery Demonstration</i>	\$1,658,611.00		\$1,658,611.00		\$1,658,611.00		78.4%	Awardee
			City and County of San Francisco, Airport Commission: <i>SFO Fuel Cell Bus</i>	\$2,410,938.00		\$ 855,732.00 <del>\$1,433,614.00</del>		\$ 855,732.00 <del>\$1,433,614.00</del>		73.0%	Partial Awardee
<b>Passed But Not Funded</b>											
6	CALSTART, Inc.		Volvo Technology of America, Inc: <i>Hybrid Wheel Loaders in Landfill Applications</i>	\$1,801,052.00	\$0.00	\$0.00		\$0.00		72.2%	Finalist
			Proterra Inc.: <i>The Comparative Analysis of Battery Electric Buses in Varying Transit Applications Project</i>	\$2,569,000.00	\$0.00	\$0.00		\$0.00		71.9%	Finalist
			Transportation Power, Inc.: <i>Electric Drayage Demonstration (EDD) Project</i>	\$2,296,167.00	\$0.00	\$0.00		\$0.00		71.4%	Finalist
			Volvo Technology of America, Inc: <i>Demonstrate PHEV Drayage Truck with 10-mile ZE Range</i>	\$2,139,423.00	\$0.00	\$0.00		\$0.00		70.5%	Finalist

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			Artisan Vehicle System Inc.: <i>GP8 Drayage Truck</i>	\$908,473.00	\$0.00	\$0.00		\$0.00		70.1%	Finalist
<b>Did Not Pass Project Scoring</b>											
4	Institute of Gas Technology dba Gas Technology Institute (GTI)		<i>Alternative Fuel Conversion for In-Use Heavy Duty Vehicles</i>	\$398,687.00	\$0	\$0.00		\$0.00		68.4%	Did Not Pass Project Scoring
3	Electricore, Inc.		Hydrogen Engine Center, Inc.: <i>Alternative Fuel Engine Truck Demonstration</i>	\$1,641,535.00	\$0.00	\$0.00		\$0.00		66.5%	Did Not Pass Project Scoring
			Transportation Power, Inc.: <i>Hybrid Terminal Tractor Demonstration (HTTD) Project</i>	\$2,311,081.00	\$0.00	\$0.00		\$0.00		64.2%	Did Not Pass Project Scoring
<b>Did Not Pass Technical Screening</b>											
4	Institute of Gas Technology dba Gas Technology Institute (GTI)		<i>Demonstration of Omnitek-TEDOM 12-liter SESI CNG Engine in Regional-haul Applications</i>	\$636,000.00	\$0.00	\$0.00		\$0.00		Did Not Pass Technical Screening	Did Not Pass
			<i>Demonstration of Omnitek-TEDOM 13-liter SESI CNG Engine in Utility Applications</i>	\$318,000.00	\$0.00	\$0.00		\$0.00		Did Not Pass Technical Screening	Did Not Pass
6	CALSTART, Inc.		Capstone Turbine Corporation: <i>Class 7 Range Extended Electric Truck Demonstration</i>	\$1,201,344.00	\$0.00	\$0.00		\$0.00		Did Not Pass Technical Screening	Did Not Pass
			BAE Systems Inc.: <i>CNG-Hybrid Electric Refuse Collection Vehicle</i>	\$1,200,000.00	\$0.00	\$0.00		\$0.00		Did Not Pass Technical Screening	Did Not Pass
			BAE Systems: <i>Mild Parallel Hybrid w/Electric Accessory on Conventional Powertrain CNG Bus</i>	\$1,362,687.00	\$0.00	\$0.00		\$0.00		Did Not Pass Technical Screening	Did Not Pass

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			US Hybrid: <i>Plug-in Propane Hybrid Tractor "PPHT"</i>	\$1,237,474.00	\$0.00	\$0.00		\$0.00		Did Not Pass Technical Screening	Did Not Pass
1	Ethanol Energy Systems, LLC	\$190,000.00	<i>Ethanol Energy Renewable Fuel</i>	\$190,000.00	\$0.00	\$0.00		\$0.00		Did Not Pass Technical Screening	Did Not Pass
2	Leonardo Academy, Inc.	\$1,607,775.00	<i>Leonardo Academy, Inc. - Western Propane Gas Association Propane Engine Demonstration Project</i>	\$1,607,775.00	\$0.00	\$0.00		\$0.00		Did Not Pass Technical Screening	Did Not Pass
5	Breathe California of the Bay Area	\$2,301,151.00	Zero Emission Heavy Duty School Buses with Solar Fueling					\$0.00			
			<i>Zero Emission Heavy Duty School Buses with Solar Fueling-30</i>	\$1,159,991.00	\$0.00	\$0.00		\$0.00		Did Not Pass Technical Screening	Did Not Pass
			<i>Zero Emission Heavy Duty School Buses with Solar Fueling-40</i>	\$1,164,991.00	\$0.00	\$0.00		\$0.00		Did Not Pass Technical Screening	Did Not Pass
<b>TOTAL FUNDING RECOMM ENDED</b>					\$8,670,882.00 <del>\$8,940,000.00</del>	\$7,422,118.00 <del>\$8,000,000.00</del>	\$847,000.00	\$16,940,000.00			

\* Funding for Alternative Fuel Vehicle Technologies includes funding for Electric and Hybrid Technologies as well as other alternative fuels

Expiration Date: March 13, 2012