

Rocky Mountain Institute: Brief Summary of Near-Term Funding for Electrified Vehicle-Related Work

(Applicants must read complete FOAs and applications to view full list of requirements)

Name of Grant	Description	Who?	Amount?	Constraints?
ARRA Transportation Electrification DE-FOA- 0000028.	Establish development, demonstration, evaluation, and education projects to accelerate the market introduction and penetration of advanced electric drive vehicles.	Anyone but a federal research lab or 501c4.	\$500k to \$100M.	A goal of using at least 50 percent of the funds made available by it for activities that can be initiated not later than June 17, 2009. May 13, 2009 8:00 PM Eastern time. Potential for Round 2 later. All components require 20%-50% match.
Area of Interest 1-: Electric Drive Vehicle Demonstration and Evaluation	<p>One of the electric drive technologies that will be emphasized in this project are Plug-in Hybrid Electric Vehicles (PHEV), which directly supports the President's goal to Get One Million Plug-In Hybrid Cars on the Road by 2015. Desired outcome is to know more about: actual vehicle usage, including charging frequency, impacts due to varying climates, availability of vehicle chargers, and actual real-world electric range. Tasks will include development on an advanced electric drive vehicle, followed by a demonstration of the vehicle for a two (2) year period. In parallel with the demonstration, development will continue on the vehicle, or a more advanced electric drive vehicle, using the information provided by the demonstration to feed into the vehicle development. The vehicles will be demonstrated in at least three (3) locations throughout the United States, including geographically and climatically different locations and may include rural and urban areas.</p>	Anyone can work on LDV, MDV or HDV	2 to 10 awards, \$20M-\$100M. 3 to 4 years.	<ul style="list-style-type: none"> -The project must demonstrate one hundred (100) or more advanced EVs, PHEVs, and/or FCVs. -The team is required to have a vehicle manufacturer as the lead or partner in the project or include a letter of commitment from a vehicle OEM as outlined in the announcement. -All vehicles will be Federal Motor Vehicle Safety Standard (FMVSS) compliant or have appropriate FMVSS exemptions; -All vehicles produced as a result of vehicle development in this project shall be manufactured in the United States. If a specific component or subsystem is developed under this project, production of the component shall be in the United States. -50% or higher cost share from partners. 25% considered if strong justification is given.
Area of Interest 2: Transportation Sector Electrification. Area of Interest 3 is a combo of 1 and 2.	<p>Develop and demonstrate transportation sector electrification, which may include truck stop electrification, electric idle reduction technologies, electric truck refrigeration units, shoreside electrification, non-road vehicle electrification, and the recharging and electrical support infrastructure required for each technology, with the goal of maximizing petroleum reduction and reducing greenhouse gas emissions from the vehicle. The electrification projects must include vehicles to demonstrate the proposed technology as part of the project. The classes of demonstration vehicles that are covered range from</p>	Anyone can work on LDV, MDV or HDV	2 to 4 awards, \$10M - \$75M. 3 to 4 years.	<ul style="list-style-type: none"> -50% or higher cost share from partners. 25% considered if strong justification is given. -The team must include a member capable of manufacturing the technology developed or letter of support from a manufacturer of the

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	electric-drive material and cargo handling equipment, electric airport ground support equipment, light duty passenger vehicles, medium or heavy duty vehicles, commercial rail, and marine vessels. Infrastructure and off-vehicle transportation sector electrification technologies include truck stop electrification, shoreside electrification, integration of vehicles into an intelligent transportation system, optimization of the vehicle and electric charging infrastructure, and establishing smart charging and grid interaction.			technology.
Area of Interest 4: Advanced Electric Drive Vehicle Education Program	<p>The proposals must be for education, training, outreach, or public awareness for advanced electric drive vehicles, including EVs, PHEVs, FCVs, their electric system components, or their direct supporting electrical infrastructure. Education programs include educational outreach encompassing the basics of the technologies; technician training for servicing the advanced vehicles, their components, and the required recharging infrastructure; emergency responder and safety training for vehicles, and/or providing engineering degree programs to advance the development of vehicles and components.</p> <ul style="list-style-type: none"> • Developing and providing teaching materials to secondary schools, colleges and universities, • Training service personnel and vehicle mechanics for working with advanced electric drive vehicles and their supporting infrastructure, • Creating new degree programs to ensure the availability of trained electrical and mechanical engineers with the skills necessary for the advancement of EVs, PHEVs, FCVs, and • Educating consumers on the basics of advanced electric drive vehicles to increase consumer acceptance and market demand. 	Anyone.	5-20 awards expected between \$500,000 and \$10M. 3 year target.	The cost share must be at least 20% of the total allowable project costs. Cost share must come from non-Federal sources. Widespread programs, such as university collaborative efforts or joint development programs, large scale (regional or nationwide) training programs, or large scale (regional or nationwide) outreach programs encompassing all education programs are encouraged.
LINK	http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=46161			
ARRA: Energy Efficiency and Conservation Block Grants. DE-FOA-0000013	The purpose of the EECBG Program is to assist eligible entities in creating and implementing strategies to: <ul style="list-style-type: none"> • reduce fossil fuel emissions in a manner that is environmentally sustainable and, to the maximum extent practicable, maximizes benefits for local and regional communities; • reduce the total energy use of the eligible entities; and • improve energy efficiency in the building sector, the transportation sector, and other appropriate sectors. DOE encourages entities to develop many different new and innovative approaches within the framework of the legislation and the guidance to serve these purposes.	State and local gov'ts	36 Months	Cost Sharing is NOT required. For State Applicants Only: May 26, 2009 at 8:00:00 PM Eastern Time Applicants are encouraged to submit their applications well before the due date. For Units of Local Government and Tribal Applicants Only: June 25, 2009 at 8:00:00. The Act gives preference to activities that can be started and completed expeditiously, including a goal of using at least 50 percent of the funds made available by it for activities that can be initiated not later than June

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				17, 2009.
1. Technical consulting services to develop an EERE strategy	<p><u>Technical Consultant Services:</u> Entities may retain technical consultant services to assist the eligible entity in the development of such a strategy, including formulation of energy efficiency, energy conservation, and energy usage goals; identification of strategies to achieve those goals through efforts to increase energy efficiency, reduce fossil fuel emissions or reduce energy consumption through investments or by encouraging behavioral changes. Entities may develop methods to measure progress in achieving the goals. Entities may develop and publish annual reports to the population served by the eligible entity describing the strategies and goals and the progress made in achieving them during the preceding calendar year.</p>			
7. Development and implementation of transportation programs.	<p>7. Development and Implementation of Transportation Programs: Entities may develop and implement programs to conserve energy used in transportation, including but not limited to:</p> <ul style="list-style-type: none"> • Employee flex time programs; • Promoting use of satellite work centers; • Development and promotion of zoning guidelines or requirements that promote energy efficient development; • Development of infrastructure such as bike lanes and pathways and pedestrian walkways; • Synchronization of traffic signals; • State/locals/regional integrated planning activities (i.e. transportation, housing, environmental, energy, land use) with the goal of reducing greenhouse gas emissions and vehicle miles traveled; • Incentive programs to reduce commutes by single occupancy vehicles; • Improvements in operational and system efficiency of the transportation system such as implementation of intelligent transportation system (ITS) strategies; • Idle-reduction technologies and/or facilities to conserve energy, reduce harmful air pollutants, and greenhouse gas emissions from freight movement; and • Installation of solar panels on interstate rights-of-way to conserve energy in highway operations and maintenance activities. 			
14. <u>Any Other Appropriate Activity:</u>	Energy Efficiency and Conservation Strategy. Entities may submit any other appropriate activity for approval in the			
Clean Cities Fiscal Year 2009 Petroleum	Areas of interest (AOI) include:			

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Reduction Technologies Projects for the Transportation Sector, Funding Opportunity DE-PS26-09NT01236-00				
	1. Funds for refueling infrastructure for AFs on cost-shared projects (\$1.3 million to \$2.6 million will be available in this AOI)	31-Mar		
	2. Funds for incremental costs of dedicated AFVs purchased from original equipment manufacturers (\$800,000 to \$1.6 million will be available in this AOI)	31-Mar		
	3. Funds for education, outreach, and workshops for petroleum reduction fuels and technologies to raise awareness and foster a greater understanding of alternative fuels and advanced vehicle technologies (\$900,000 to \$1.8 million will be available in this AOI)	31-Mar		
	4. American Recovery and Reinvestment Act Funding: Funds for cost-shared projects that expand the use of alternative fuel and advanced vehicle technologies including the installation or acquisition of infrastructure necessary to directly support these vehicles (up to \$300 million will be available in this AOI).	29-May	30	Up to 30 awards with a 50/50 cost share will be appointed. Minimum DOE funding represents FY09 funding. The funding minimum per project is \$5 million to a maximum of \$15 million. As required by Section 721 of the Energy Policy Act of 2005, prospective applicants are limited to heads of state, local governments, metropolitan transportation authorities (or combinations of these) working with a designated Clean Cities coalition.
	Proposals that are ready for immediate initiation, including evidence of mature design, site agreements, site licensing and permitting, partner commitments, and equipment availability, will receive higher priority in the evaluation process.			
	The application deadline for AOIs 1, 2, and 3 is March 31, 2009. The round 1 application deadline for AOI 4 is May 29, 2009; round 2 is September 30, 2009.			