

Notice of Intent No. DE-FOA-0001355

**Notice of Intent to Issue
Funding Opportunity Announcement No. DE-FOA-0001349**

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Vehicle Technologies Office, a Funding Opportunity Announcement (FOA) entitled “Medium and Heavy Duty Vehicle Powertrain Electrification and Dual Fuel Fleet Demonstration.”

This FOA supports DOE’s strategic goal of protecting the U.S. national and economic security by reducing imports and promoting a diverse supply of reliable, affordable, and environmentally sound energy. More specifically, by 2020, to achieve petroleum reduction of over 2.5 billion gallons per year through voluntary adoption of alternative fuel vehicles and infrastructure.

This goal will be achieved by reducing petroleum consumption through vehicle efficiency technologies; replacing petroleum fuels with alternative fuels, non-petroleum fuel blends, and electric drive technology vehicles; and petroleum consumption through idle reduction technologies, and potentially through reduction in personal vehicle miles traveled or other means.

It is anticipated that the FOA will include the following Areas of Interest:

Area of Interest 1 – Medium and Heavy Duty Vehicle Powertrain Electrification

The objective of the first area of interest is to research, develop, and demonstrate electric-drive powertrain technologies for medium and heavy duty vehicles with an end goal of reducing fuel consumption by at least 50%, when compared to an equivalent vehicle with a conventional internal combustion engine powertrain driven on a comparable duty cycle.

Teaming arrangements that involve an electric transportation technology developer, a vehicle manufacturer, and a fleet operator are encouraged.

Area of Interest 2 – Heavy Duty Vehicle Dual Fuel Fleet Demonstration

The objective of this FOA is to demonstrate and evaluate the performance and emissions systems of dual fuel heavy-duty vehicles equipped with engines capable of operation using a mixture of diesel fuel and gaseous fuels (natural gas, propane or natural gas derived fuels such as Dimethyl Ether).

The vehicles and dual fuel technologies must be commercially available, and not experimental, pre-production, or planned for further development under the project; and must also be compliant with New or Inside Useful Life Environmental Protection Agency (EPA) certification

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requirements (or the California Air Resources Board equivalent (CARB) requirements), and the Federal Motor Vehicle Safety Standards (FMVSS).

EERE anticipates awarding multiple financial assistance awards in the form of cooperative agreements. The estimated period of performance for each award will be approximately three years for Area of Interest 1, and two years for Area of Interest 2.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

EERE plans to issue the FOA in August 2015 via the EERE Exchange website (<https://eere-exchange.energy.gov/>). If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE Exchange. When the FOA is released, applications will be accepted only through EERE Exchange.

In anticipation of the FOA being released, Applicants are advised to complete the following steps, which are **required** for application submission:

- Register and create an account in EERE Exchange at <https://eere-exchange.energy.gov/>. This account will allow the user to register for any open EERE FOAs that are currently in EERE Exchange. It is recommended that each organization or business unit, whether acting as a team or a single entity, use only one account as the contact point for each submission.

Questions related to the registration process and use of the EERE Exchange website should be submitted to: EERE-ExchangeSupport@hq.doe.gov

- Obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number (including the plus 4 extension, if applicable) at <http://fedgov.dnb.com/webform>
- Register with the System for Award Management (SAM) at <https://www.sam.gov>. Designating an Electronic Business Point of Contact (EBiz POC) and obtaining a special password called an MPIN are important steps in SAM registration. Please update your SAM registration annually.
- Register in FedConnect at <https://www.fedconnect.net/>. To create an organization account, your organization's SAM MPIN is required. For more information about the SAM MPIN or other registration requirements, review the FedConnect Ready, Set, Go! Guide at https://www.fedconnect.net/FedConnect/Marketing/Documents/FedConnect_Ready_Set_Go.pdf
- Register in Grants.gov to receive automatic updates when Amendments to a FOA are posted. However, please note that applications will not be accepted through Grants.gov. <http://www.grants.gov/>. All applications must be submitted through EERE Exchange.

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