

PMC-EF2a

(2.04.02)

**U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION**



RECIPIENT: Electricore, Inc.

STATE: CA

PROJECT TITLE : Validation Data for Light-Duty Fuel Cell Electric Vehicles

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000625	DE-EE0005968	GFO-0005968-001	EE5968

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

A9 Information gathering, analysis, and dissemination	Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)
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Rational for determination:

The U.S. Department of Energy (DOE) is proposing to provide federal funding to Electricore, Inc. to track the progress of fuel cell electric vehicles (FCEVs) for two years. Funding would be used to collect and submit real-world vehicle performance and reliability data to the National Renewable Energy Laboratory (NREL) for analysis and aggregation, which would enable DOE to track the technical progress of the fuel cell systems and to provide feedback on research and development efforts. DOE funding would be used for information gathering, analysis and dissemination activities only and the proposed project would occur over two years and two phases.

In Phase 1, Electricore, Inc. would provide previously collected performance and reliability data collected from FCEVs operated by Honda R&D Americas, Inc. (Honda), Nissan Technical Center North America, Inc. (Nissan), and Toyota Motor Engineering & Manufacturing North America, Inc. (Toyota) to NREL for analysis.

In Phase 2, Electricore, Inc. would collect and submit real-world vehicle performance and reliability data to NREL. Data would be collected from approximately 15 current generation Honda, Nissan and Toyota FCEVs operated in real-world conditions throughout California. The vehicles would be operated by each car manufacture or a third party contractor in a typical day-to-day operation plan under a variety of driving conditions, terrain, and temperatures. All of the vehicles would be equipped with a real time data acquisition system that automatically collects data over a wireless network. Vehicle emissions are limited to pure water vapor, oxygen, and trace amounts of hydrogen gas. Trace amounts of hydrogen gas may be released during refueling events; however this amount is considered normal, controlled, and de minimus.

Based on review of the project information and above analysis, DOE has determined the data collection and analysis activities would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined the proposed project is consistent with the actions contained in DOE categorical exclusion A9 "information gathering, analysis, and dissemination," and is categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Note to Specialist :

DOE funding: ~\$237,021
Cost Share: ~\$237,034
Total Project Cost: ~\$474,055

Obadiah Broughton 5/13/2013

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: [Signature]
NEPA Compliance Officer

Date: 5/13/2013

FIELD OFFICE MANAGER DETERMINATION

Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

- Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
- Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____
Field Office Manager

Date: _____