PMC-EF2a

(2/04/02)

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

RECIPIENT: Michigan Energy Office **STATE:** MI

PROJECT TITLE : EERE Loan/Tech Demo Program - Delphi

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000166	GFO-0000116-023	GO0

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:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The Department of Energy (DOE) has awarded federal funding, via a formula, to the State of Michigan under DOE's Recovery Act funded State Energy Program. Michigan has selected Delphi Automotive Systems (Delphi) to receive $75,324 of its SEP funds (total project cost $296,118) for Delphi's Solid Oxide Fuel Cell Project.

The proposed would be located at Delphi's Customer & Technical Center Michigan (CTCM) at 3000 University Drive, Auburn Hills, MI 48326. The proposed project would install a 2-3kW natural gas-fueled solid oxide fuel cell (SOFC) power system at the CTCM in Auburn Hills.

The fuel cell would be anchored to a concrete pad adjacent to the building and would be fenced. The fuel cell would have a one-half inch natural gas line and an electrical feed (for starting and warm up of the fuel cell) to it. Coming from the fuel cell would be electrical wires delivering the fuel cell electricity to the building and an IT cable that would be used for monitoring the fuel cell. The proposed project would not require building modifications, other than trenching and installation of the above-referenced lines and the footprint of the building will not be expanded.

The power generated by the SOFC will be used to offset the facility's electrical consumption. Although electricity would be required (60 amp 12V) to start the fuel cell, the feed from the fuel cell back to the building will be a 30amp, 120 VAV feed.

There are no air emissions associated with this type of project.

The proposed project has received a determination of no adverse effect from the Michigan SHPO.

An electrical permit will be required for installation of the fuel cell. This will be obtained by the contractor installing the fuel cell.

The installation of a fuel cell to offset a percentage of Delphi's electrical consumption is consistent with "[a]ctions to conserve energy." DOE has determined that this project is categorically excluded from further NEPA review under CX B5.1.

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 :

Prepared by Melissa Rossiter
Market Title: State Energy Program – CEAM Revolving Loan Fund Program
DOE Funds: $75,324

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 9/9/11
NEPA Compliance Officer

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: _____ Date: _____
Field Office Manager