

PMC-EF2a

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



RECIPIENT:MI Department of Energy, Labor & Economic Growth

STATE: MI

PROJECT TITLE : Clean Energy Advanced Manufacturing Phase 2 - Heat Transfer International

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000166	GFO-09-148-014	GOO

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 State of Michigan will provide \$3,498,198 in Recovery Act funds to Heat Transfer International (HTI) to develop and manufacture biomass gasification power systems. HTI is located at 4720 44th Street SE, Kentwood, MI 49512.

The funds will be used for infrastructure needs and for cutting, grinding and fabrication, casting and forming, inspection, and finishing equipment. HTI has recently acquired 1,000,000sqft of manufacturing space from Marbark Corporation, 8507 South Winn Road, Winn, MI as an extension of its business plans. The equipment being purchased will be installed in the newly-acquired space. The project will not expand the footprint of the existing building, nor will it involve construction or repairs of the building. HTI will not require new operation permits as a result of the new manufacturing capability being installed. The project will not impact archaeological resources or sites of historical significance based on consultation with the Michigan State Historic Preservation Office. A review of the Michigan Natural Features Inventory database and mapping indicates that there are no current protected plant or animal species documented within or adjacent to the project area. This project will have no impact to migratory birds or other protected species.

Michigan's State Energy Office has indicated that it shall not award sub-grants for Projects that:

1. Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, including requirements of DOE and/or Executive Orders;
2. Require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators);
3. Disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; or
4. Adversely affect environmentally sensitive resources. Environmentally sensitive resources include, but are not limited to:
 - i. Property (e.g., sites, buildings, structures, objects) of historic, archeological, or architectural significance designated by Federal, state, or local governments or property eligible for listing on the National Register of Historic Places;
 - ii. Federally-listed threatened or endangered species or their habitat (including critical habitat), Federally- proposed or candidate species or their habitat, or state-listed endangered or threatened species or their habitat;
 - iii. Wetlands regulated under the Clean Water Act (33 U.S.C. 1344) and floodplains;
 - iv. Areas having a special designation such as Federally- and state-designated wilderness areas, national parks, national natural landmarks, wild and scenic rivers, state and Federal wildlife refuges, and marine sanctuaries;
 - v. Prime agricultural lands;
 - vi. Special sources of water (such as sole-source aquifers, wellhead protection areas, and other water sources that are vital in a region); and

vii. Tundra, coral reefs, or rain forests.

Waste Stream Conditions

Michigan's State Energy Office shall obtain a waste management plan addressing waste generated by a proposed Project prior to the sub-grantee spending any funds for their Project. This waste management plan will describe the Sub-recipient's plan to dispose of any sanitary or hazardous waste (e.g., construction and demolition debris, old light bulbs, lead paint, lead ballasts, piping, roofing material, discarded equipment, debris, and asbestos) generated as a result of the proposed Project. Michigan's State Energy Office shall make the waste management plan and related documentation available to DOE on DOE's request. Michigan's State Energy Office shall ensure through specific contract terms that the Sub-recipient complies with all Federal, state and local regulations for waste disposal.

NHPA Conditions

Prior to awarding a sub-grant for a Project, Michigan's State Energy Office and the Sub-recipient shall comply with Section 106 of the National Historic Preservation Act (NHPA). If applicable, the Sub-recipient must contact the State Historic Preservation Officer (SHPO), and the Tribal Historic Preservation Officer (THPO). Michigan's State Energy Office shall retain sufficient documentation, from the Sub-recipient or other sources, to demonstrate that the Sub-recipient has received required approval(s) from the SHPO or THPO for the Project. Michigan's State Energy Office has entered into an Interagency Agreement with the State Historic Preservation Office to screen potential grantees for compliance with Section 106 of the NHPA. Michigan's State Energy Office shall make this documentation available to DOE upon request.

Based on the information provided by the State and recipient, DOE has determined that the work outlined is consistent with activities identified in Categorical Exclusion B5.1 "Actions to conserve energy."

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is \$3,498,198. Absent a significant change in the scope of this effort, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____
NEPA Compliance Officer

Date: 6/30/10

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: _____