

PMC-EF2a

(2010)

**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 - Innotec

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000166	GFO-09-148-013	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 \$1,196,000 in Recovery Act funds to Innotec to install two new BoardFree™ manufacturing lines to produce components for the office, home, industrial, outdoor, roadway, and architectural lighting markets. Innotec is located at 441 East Roosevelt, Suite 100, Zeeland, MI 49464.

The BoardFree™ technology allows electronic products to be sealed from wet environments with minimal package constraints and to effectively manage heat created by the electrical components. The proposed project entails final design, tooling, building of equipment, and validation of two new production lines to produce LED integrated lighting modules. Materials and subcomponents required to manufacture these components include rolled steel, insulated wire, thermo set plastics, lead free solder, LEDs and various circuit components such as resistors, capacitors and diodes.

Innotec is ISO14001:2004 certified and in compliance with federal and state environmental statutes. The proposed production and/or manufacturing process does not require additional permits. The BoardFree™ manufacturing process produces no hazardous or harmful materials; the byproducts and waste streams from the manufacturing process are 100% recycled. The project will not expand the footprint of the existing building, nor will any construction or repairs of the building be undertaken. Further, Michigan's State Energy Office has indicated that they 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.

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 (copy attached) 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 (for example, during a post award audit).

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 \$1,196,000. 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: 6/29/10

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: _____