

PMC-EF2a

(20102)

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 - Great Lakes Industry

Funding Opportunity Announcement Number

DE-FOA-0000052

Procurement Instrument Number

DE-EE0000166

NEPA Control Number

GFO-09-148-012

CID Number

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 Michigan Dept. of Energy, Labor & Economic Growth will provide \$2,980,200 in Recovery Act funds to GLI, Inc. for the purchase of equipment to expand GLI's manufacturing capability. GLI is located at 1927 Wildwood Avenue, Jackson, MI 49202-4061.

Recovery Act funds will enable GLI to manufacture precision gear boxes that are utilized in 1.5-2.5 MW wind turbines. The funding is part of a multi-phase project in which GLI will increase their capacity to supply a more diverse range of gear boxes to a greater number of wind turbine manufacturers. This Phase 2 effort calls for a machinery and technology acquisition budget of \$15,354,000, 19.4% of which will be Recovery Act funds.

The Phase 2 project scope includes the design, selection, procurement, installation and acceptance of five different advanced manufacturing cells capable of manufacturing precision gears up to 1700mm in diameter and 1200mm long for utility scale wind turbine main drive gearboxes. The equipment will diversify and expand GLI's capability to manufacture all sizes of large gearing specified for typical 1.5-2.5 MW turbine primary drive gearboxes. This capability includes Clipper Wind large intermediate pinion gear assemblies and bull gears.

GLI is in compliance with federal and state environmental statutes. The proposed production and/or manufacturing process do not require additional permits. Additionally, there is no hazardous material/waste being used or generated through the manufacturing process. The project will not expand the footprint of the existing building and no construction or repairs of the building will be undertaken.

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 (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, 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 the project officer, funding for this project is \$2,980,200. 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: _____