

PMC-EF2a

(2.04.02)

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



RECIPIENT:MI Department of Energy, Labor &amp; Economic Growth

STATE: MI

**PROJECT****TITLE :**

Clean Energy Advanced Manufacturing Phase 2 - Polar Seal Windows

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-0000052	DE-EE0000166	GFO-09-148-020	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 State of Michigan will provide \$200,000 of Recovery Act funds to Polar Seal Windows to establish the capability to manufacture a new energy efficient frame for windows. Polar Seal Windows is located at 625 Century SW, Grand Rapids, MI 49503.

Polar Seal intends to replace PVC- or aluminum-based window frames that are energy intensive to produce and less-well insulated with a wood plastic composite (WPC). Recovery Act funds will be used to purchase the necessary machining centers and welding fixtures to assemble the WPC window frames. Funds will also off-set some of the installation costs. The work will be conducted within Polar Seal's existing facility. The project will not expand the building footprint of the existing building, nor will it require significant construction or repairs of the building. The new production and/or manufacturing process will not require additional permits.

Polar Seal is in compliance with federal and state environmental statutes. The new process does not require the use of hazardous material, nor will the new process generate hazardous material. The proposed work and process will not generate emission of criteria pollutants. Consultation with the Michigan State Historic Preservation Office indicates that there will be no impact to archaeological resources. A review of the Michigan 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.

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.

**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 \$200,000. Absent a significant change in the scope of work, 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: 7/1/10

**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: \_\_\_\_\_