

PMC-EF2a

(2.04.02)

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



RECIPIENT:MI Department of Energy, Labor & Economic Growth

STATE: MI

PROJECT TITLE : SEP Passive Solar Hoophouse Implementation

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE-0000166	GFO-0000166-036	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 Department of Energy, Labor & Economic Growth is proposing to use SEP ARRA funding for the implementation of approximately 20 passive solar greenhouses (i.e. hoop houses) to increase locally grown fruit and vegetable production in Michigan. The funding will be used for the purchase of materials and supplies to construct passive solar systems (hoop houses). These structures, by definition, are semi-permanent, temporary or movable. There is no ground disturbance related to the installation of the hoop houses. No tree clearing will occur as a result of the hoop house installations. The hoop houses will not be located in environmentally sensitive or endangered areas. Irrigation Best Management Practices will be utilized where appropriate (hand watering, drip irrigation, trickle, overhead). If herbicides/pesticides/fertilizers are to be used, Best Management Practices (BMP), including Integrated Pest Management (IPM), will be followed. Permits will be acquired and posted on site. If an erosion control plan is required for PSS site preparation, it will be acquired and implemented. Given the limited hoop house structure size, the primary planting/harvesting method will be manual, and hand tillers may also be used on occasion. A list of proposed hoop house locations has been uploaded to the PMC.

In addition, to the previously submitted EF-1 (NEPA Control No. - GFO-09-148-006), Michigan's Bureau of Energy Systems provides the following assurances with respect to awarding sub-grants under the Request for Proposal for AgriEnergy.

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

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 (for example, during a post-award audit). 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).

The proposed project is consistent with activities outlined in B5.1 "actions to conserve energy"; therefore, it is categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

EF2a completed by Logan Sholar

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____

NEPA Compliance Officer

Date: _____

3/16/11

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: _____