PMC-EF2a

(2.06.02)

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

RECIPIENT: Ohio Department of Development **STATE:** OH

PROJECT TITLE : Targeting Industrial Efficiency - Fortin Welding

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000165	GFO-0000165-039	0

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:

DOE is proposing to provide $162,000 in SEP ARRA funding to Fortin Welding to retrofit the existing facility with new light bulbs and fixtures, a new white roof and a 60 kW thin film photovoltaic (PV) electric generation system on the roof adjacent to the white roof.

Fortin Welding, a family owned and operated ornamental iron work and metal fabrication company, is located at 944 W. Fifth Avenue, Columbus, Ohio 43212. The proposed site is located in an urban area. Surrounding businesses include Columbus Saw and Tool, Buffalo Wild Wings Grill and Bar, the Four Season's Day Spa and McDonalds.

The proposed project would consists of the following activities:

- Replacing light bulbs and fixtures
- Installing a white roof on the west roof (8,709 square-feet)
- Installing a white roof and a 60 kW thin film PV system on the east roof (13,751 square-feet)

Fortin Welding proposes to replace light bulbs and fixtures. The layout of the facility would remain unchanged.

For the west roof installation, the existing roof would be removed and disposed of as required (including gravel). The existing roof sheeting would remain in place. New 3.3-inch ISO board insulation would be installed on to the existing sheeting on which a new white roof would be installed. The white roof would provide a cooler work space in the facility and have an estimated 20 year life expectancy.

For the east roof installation, the existing roof would remain in place. Only some of the gravel would be removed. New 3.3-inch ISO board insulation would be installed on to the existing sheeting on which a new white roof would be installed. On top of the white roof, a 60 kW, grid connected thin film PV system would be installed. The system would be designed to provide 35 percent of the current electrical load in the building. Interconnection with the local AEP grid is anticipated and the application has been submitted.

All lighting and roofing materials removed from the existing facility in order to prepare for the upgrades would be properly disposed in a nearby sanitary waste facility in southwest Columbus.

Consultation with the State Historic Preservation Office is not required per Ohio's Programmatic Agreement, Appendix B, Section 3, Paragraph h, and Section 5, Paragraph b, k(2).

Based on this information, 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:

If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Note to Specialist :

Cristina Tyler 9.20.2011

DOE Funds: $162,000
Recipient Match Amount: $377,700
Total Project Cost: $539,700

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 9/20/11
NEPA Compliance Officer

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: _____ Date: _____
Field Office Manager