

PMC-EF2a

(20102)

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



RECIPIENT: Ohio Department of Development

STATE: OH

PROJECT TITLE : SEP ARRA - Targeting Industrial Efficiency - Multiple

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052		0000165-019 GFO- 0000000000	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 Ohio Department of Development is proposing to use SEP ARRA funding for 11 projects which will be funded under the market title "Targeting Industrial Efficiency" (TIE). The proposed projects consist of energy efficiency improvements at existing facilities the majority of which will replace existing equipment as described below. All proposed work will occur at existing facilities. The proposed projects are intended to increase energy efficiency and are not expected to increase emissions or waste streams at any of the facilities. There will be no ground disturbance related to the proposed projects. There will be no adverse effects to threatened and endangered species, wetlands, floodplains, or cultural resources as these resources are not present.

- Appleton Papers, Inc. (\$256,564) - Replacement of existing air compressor with a more efficient Turbo air 300 air compressor (refrigerated air dryer).
- Duke Manufacturing (\$9,731) - Fix leaks, install high efficiency air amplification nozzles, and reduce pressure of the plant compressed air system.
- Eurand, Inc. (\$55,000) - Replace existing heatless desiccant dryer system with new dryer for plant wide compressed air system. New dryer will not use any compressed air to operate. Install new outdoor ductwork to supply waste heat from air cooled air compressor, boiler, steam system, etc. to space heating air handler.
- Fireline, Inc. (\$114,519) - Replace current kiln furniture on 74 kiln cars with lightweight extruded batts and silicon carbide support beams.
- General Mills (\$200,000) - Install new 200 hp trim variable frequency drive (VFD) compressor and automating/isolating headers. Install VFD controls and direct digital controls to optimize set points and control response.
- Gray America Corp. (\$205,098) - Install system pressure control for compressed air, VFD, new ransohoff cleaner.
- Performance Plastics Ltd. (\$197,238) - Consolidate electric meters and to implement a demand mgmt program to manage peak demand. Replace 3 injection molding machines used in the production process from hydraulic to electric drive.
- Royal Ice Cream Company (\$319,250) - Replace two ice cream "freezing centers" (ammonia refreezing lines) with Hoyer continuous freezers.

• Sur-Seal Gasket & Packing, Inc. (\$178,595) - Add premium efficiency air conditioning units to the shop floor. Fix compressed air leaks and make control changes to allow air compressor to shut off on nights and weekends. Replace existing roof with new 6" R-19 vinyl backed blanket insulation. Replace existing HVAC with 6 new high efficiency gas/electric heating and cooling systems for main production building.

• Techmetals, Inc. (\$271,846) - Install fabricated covers on heated plating tanks. Replace air operated diaphragm sump pumps in Building 1 with electrically operated pumps. Install a surge tank/condense receiver system in Building 2. Replace undersize condensate system. Magnahelics gauge (pressure gauge) in the ductwork will be installed.

• US Tsubaki, Inc. (\$153,686) – Replace 12 burners and modify 36 burners in the heat treat department to reduce natural gas use.

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

NEPA PROVISION

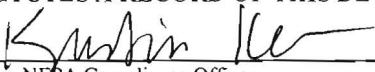
DOE has made a final NEPA determination for this award

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:  Date: 3/22/2011
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