

PMC-EF2a

(2.04.02)

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



RECIPIENT: Illinois Department of Commerce and Economic Opportunity

STATE: IL

PROJECT TITLE : SEP ARRA - Coils Incorporated Solar Project

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000119	GFO-0000119-060	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:

Illinois Department of Commerce & Economic Opportunity would use \$500,000 of SEP ARRA funding to purchase and install equipment for a 200kW solar photovoltaic array at the Coils Livingston County manufacturing plant located at 410 West Waupansie, Dwight, Illinois. Total project cost is \$2 million.

The solar array would provide power to the advanced electronics facility at the site. The existing Coils manufacturing plant at the site has been closed since a fire in 2002. The plant has been undergoing refurbishment for use in electronics manufacturing and is expected to open again in early 2011. Coils Inc. manufactures coils for use in electronic and hydraulic systems.

The proposed solar array would consist of roof mounted solar panels on the existing manufacturing plant and a ground mounted field array that would cover a one acre area of the property. The ground mounted portion of the PV project is comprised of 22 modules per string, and there are 40 strings. Each of the array modules are affixed onto aluminum racking which is then mounted on pipe risers that are connected to helical piers driven into the soil. Ground disturbance for the proposed project will be minimal. The property is currently an open field that has been graded and contains no natural habitat. The property is adjacent to U.S. Route 66 and can be seen briefly from the road. Illinois Department of Commerce & Economic Opportunity has demonstrated through use of the Illinois Department of Natural Resources EcoCAT tool that the site does not contain wetlands and that no impacts are expected to threatened or endangered species.

The Illinois Historic Preservation Agency has determined that the project would have no affect on historic properties.

In view of 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

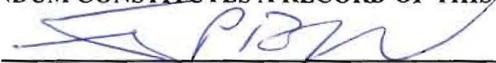
DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

EF2a prepared by Logan Sholar

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: 
NEPA Compliance Officer

Date: 3/9/11

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: _____