PMC-EF2a
(2.04.02)

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

RECIPIENT: Iowa Office of Energy Independence   **STATE:** IA

PROJECT TITLE :   UNI Multi-Modal Transportation Center PV Panels

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE FOA 000052	DE-EE0000162	GFO-09-144-006	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:

The State of Iowa will provide $250,000 in Recovery Act funds to the University of Northern Iowa to install a 228kW solar photovoltaic (PV) array above the top deck of the University's Multi-modal Transportation Center. The Center is located at 23rd and Merner Streets in Cedar Falls, IA. The array will consist of approximately 1000 PV panels supported on a steel frame that will extend above the top level of the new parking structure and transit pavilion.

The photovoltaic array structure is designed and will be constructed in accordance with International Building Codes (2006 edition). Engineering designs have included provisions for gravity (self-weight), wind, and snow loads. Engineering analysis of the base building indicates that the structure is capable of supporting the photovoltaic array and framing.

The PV system is to be connected to the campus utility distribution system via the parking facility's distribution panel, which is connected to the main electrical service for Bartlett Hall. The electric utility distribution system is privately owned and maintained by the university. Energy model data for the transportation pavilion and parking structure indicate an average annual energy of 272,000 kWh. Expected average annual output of the PV system is 269,300 kWh.

Based on the information provided by the State and recipient, 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 $250,000. Unless the scope of this effort changes significantly, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____   Date: 5/25/10

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