

PMC-EF2a

(2.04.02)

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



RECIPIENT:County of Burlington

STATE: NJ

PROJECT  
TITLE : Burlington County PV System

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-EE000067.001	GFO-10-100-002	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 County of Burlington proposes to use EECBG funding for installation of 465.5kW ground mounted PV solar array at the County Engineering Department Building includes:

Design and installation of a Photo Voltaic (PV) system for the solar array located at 1900 Briggs Road in Mount Laurel, New Jersey. The proposed PV system will generate 99.99% of the current electric load utilized at the building and reduce non renewable electric consumption by 577,443 kWh per year. The proposed PV system consists of a 465.5 kW ground rack system consisting of 2,660-175 Watt modules.

The proposed location for the solar array is in a vacant field approximately 125 feet away from the engineering building in a relatively flat area that has been previously disturbed and contains minimal vegetation. The surrounding area is dominated by other county government and commercial facilities. The total area for the 465.5kW PV system is approximately 50,000 square feet (just over one acre). Adjacent to the county property is a stream and a wetland, but those areas will be avoided by the proposed action and will not be affected. The proposed activity received clearance from the State Historic Preservation Office on January 26, 2010. This activity is categorically excluded under NEPA under B5.1 Actions to Conserve Energy.

Prior to the expenditure of Federal funds to implement any of the above-mentioned activities, Burlington County has the affirmative responsibility to ensure that it has a waste management plan addressing waste generated by their proposed actions. The plan will describe the plan to dispose of any sanitary or hazardous waste, e.g. construction and demolition debris, discarded equipment, debris, asbestos, etc. generated as a result of the proposed project. The recipient must ensure that it will comply with all federal, state and local regulations for waste disposal.

Additionally, prior to ground clearing activities, Burlington County has the affirmative responsibility to comply with the State of New Jersey Construction General Permit (5G3) for activities that disturb more than one acre.

Burlington County has the affirmative responsibility to ensure that the wetland area and stream that are adjacent to the county owned property are avoided entirely and that all construction activities implement standard construction BMPs to ensure that these areas are not affected by upland clearing and excavation. Burlington County has the affirmative responsibility to ensure that its contractors employ these measures and avoid the aquatic features and prevent discharges and/or sediment from entering the wetland or stream.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

**SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.**

NEPA Compliance Officer Signature:   
NEPA Compliance Officer

Date: 4/9/10

**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: \_\_\_\_\_