PMC-EF2a
(2/04/02)

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

RECIPIENT: Amonix, Inc. **STATE:** CA

PROJECT TITLE : Low Cost High Concentration Photovoltaic Systems for Utility Power Generation - UC Irvine Site 1

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-PS36-06GO96034	DE-FC36-07GO17042	GFO-08-005c	GO17042

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:

Amonix, Inc. proposes to use federal funding to install and ultimately remove of 2 solar power modules (Amonix 7700 HCPV systems) for field testing at the University of California at Irvine campus. The systems will be installed on the eastern side of a power substation yard. Installation would involve the installation of 2 solar panels (49ft x 72ft) on pedestals 50ft apart. Each panel would be mounted onto an approximately 38 foot long steel pipe, which would be buried approximately 18 feet into the ground and extend 20 feet in height above ground.

The site was previously rough graded for its use as a lay-down yard for a UCI Campus student housing project and was hydroseeded for erosion prevention upon completion of the student housing project. No critical or sensitive resources will be impacted by the implementation of this project. The project will not include the removal and any trees.

This project has undergone CEQA review by the University of California at Irvine and has been found to be categorically excluded under the provisions of CEQA.

The manufacturing of these solar panels is already approved under the original NEPA Control Number GFO-08-005. The installation and removal of the two test modules is the scope of work for this determination.

This project is comprised of actions to conserve energy through the installation of solar panels therefore a CX B5.1 applies.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 4/29/2011

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Kristin Ker Date: 5/2/2011
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