

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

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FC36-07GO	DE-FC36-07GO17042		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:

Amonix, Inc. is requesting DOE funding to be used for the manufacturing, installation, and ultimate removal of 2 solar power modules (Amonix 7700 HCPV systems) for field testing at California State Polytechnic University in Pomona, California. The systems would be installed in the fenced solar test and research area on the campus.

Included in the installation of these test modules, Amonix will remove, decommission, and dispose of current obsolete solar power generators at the test site, in accordance with all local, state, and federal regulations. Installation would involve site excavation of (2) 4-ft. diameter 20 ft. deep holes. The holes would be concrete-filled; creating pedestals for the modules to operate upon. Upon removal, the pedestal and module would be completely removed and the hole refilled with compacted soil. The module and pedestal would be tested, disassembled, and recycled in-house for reuse. The manufacturing work 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.

Based on the information above, the DOE deems this Project does not pose a significant impact to the human or natural environment; therefore this Project is hereby Categorically Excluded from further NEPA review under B5.1 "Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency".

**NEPA PROVISION**


DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Douglas Eichler, 7-21-10

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

NEPA Compliance Officer Signature:   
NEPA Compliance Officer

Date: 7/26/10

**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: \_\_\_\_\_ Date: \_\_\_\_\_  
Field Office Manager

8.2.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy efficiency that do not increase the interior concentration of potentially hazardous air pollutants. These actions may involve financial and technical assistance to individuals (such as business, commercial, residential, or organizational) or entities (such as utilities) and state and local government. Covered actions include, but are not limited to: improvement of thermostat settings; placement of mats on hot water heaters; installation of solar hot water systems; installation of efficient lighting; improvement in general efficiency and appliance efficiency; energy conservation in manufacturing; installation of energy-efficient manufacturing in industrial processes; and small-scale conservation and energy efficiency measures in commercial, residential, agricultural, or industrial settings. These actions do not include retrofits, structural changes, or process EOC retrofits.

Retrofits for demonstration: Amoxic Inc. is requesting DOE funding to be used for the manufacturing, installation, and ultimate removal of 2 solar power modules (Amoxic TYP HCV system) for field testing at California State Polytechnic University in Pomona, California. The system would be installed in the second solar test and research area on the campus. Included in the installation of these test modules, Amoxic will remove, document, and dispose of current obsolete solar power generators at the test site in accordance with all local, state, and federal regulations. Installation would involve the excavation of (2) 4-ft diameter 20-ft deep holes. The holes would be concrete-filled, casting pedestals for the modules to operate upon. Upon removal, the pedestals and modules would be carefully removed and the holes refilled with decomposed soil. The modules and pedestals would be tested, disassembled, and stored in-house for reuse. The manufacturing work is already approved under the original NEPA Control Number GPC-06-005. The installation and removal of the two test modules is the scope of work for this demonstration.

Based on the information above, the DOE deems that this project does not pose a significant impact to the human or natural environment. Therefore, the Project is hereby Categorical Excluded from further NEPA review under 101.1. Actions to conserve energy, demonstrate potential energy conservation, and promote energy efficiency.

NEPA PROVISION  
DOE has made a final NEPA determination for the award.  
from the following language in the award:  
Title is: [unclear]  
Project Number: [unclear]

SIGNATURE ON THE MEMORANDUM CONSTITUTES A REVIEW OF THIS DETERMINATION  
NEPA Compliance Officer Signature

01/20/10 on [unclear]