

PMC-EF2a

(2004.02)

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



RECIPIENT: Amonix, Inc.

STATE: CA

PROJECT TITLE : Low Cost High Concentration Photovoltaic Power Systems for Utility Power Generation

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FC36-07GO	DE-FC36-07GO17042	GFO-08-005d	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. proposes to use federal funding to install, and ultimate removal 7-9 solar power modules (Amonix 7700 HCPV systems) for field testing at SolarTac (Solar Technology Acceleration Center) in Aurora, CO. this land is currently used as cultivated agriculture lands, thus this land has been continuously disturbed annually by mechanical means. The applicant has obtained permit number COR030000, a general permit under the Colorado Discharge Permit System for stormwater discharges associated with construction activities. According to the GPS provided in the SWPP permit, this location has been found to located within Zone X of FEMA FIRM pannel number 0800020210E. This location is charectarized as an area determined tobe outside of the 500 yr flood plain.

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 will apply.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 9/30/2010

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: *Kimberly Kern*
NEPA Compliance Officer

Date: 10/14/2010

FIELD OFFICE MANAGER DETERMINATION