PMC-EF2a
(2.06.02)

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

RECIPIENT: Board of Trustees of the Leland Stanford Junior University **STATE:** CA

PROJECT TITLE : Bay Area Photovoltics Consortium, Photovoltaic (PV) Manufacturing Initiative - Core Subawards

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-000259, PV	DE-EE0004946	GFO-0004946-003	GO4946

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:

A9 Information gathering, analysis, and dissemination	Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)
B3.15 Small-scale indoor research and development projects using nanoscale materials	Siting, construction, modification, operation, and decommissioning of facilities for indoor small-scale research and development projects and small-scale pilot projects using nanoscale materials in accordance with applicable requirements (such as engineering, worker safety, procedural, and administrative regulations) necessary to ensure the containment of any hazardous materials. Construction and modification activities would be within or contiguous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible).
B3.6 Small-scale research and development, laboratory operations, and pilot projects	Siting, construction, modification, operation, and decommissioning of facilities for smallscale research and development projects; conventional laboratory operations (such as preparation of chemical standards and sample analysis); and small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or contiguous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible). Not included in this category are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial deployment.

Rational for determination:

The Bay Area Photovoltaic Consortium (BAPVC) is a unique partnership joining universities, industry, and the US Government with the mission of developing advanced technologies to deliver high-performance photovoltaic (PV) modules at low-cost. The Department of Energy has provided funding to establish the BAPVC to develop materials, device structures and processes necessary to design and implement manufacturing methods to achieve cost effective photovoltaic modules in large volume production. DOE completed a NEPA review for the initial funding of BAPVC (GFO-0004946-001, CX A9, 6/28/2011).

BAPVC has conducted a competitive solicitation and selected eighteen (18) projects to receive federal funding (sub-awards). The 18 sub-awards entail research and development activities to be conducted at existing laboratories at Stanford University, University of California Berkeley, National Renewable Energy Laboratory (NREL), Lawrence Berkeley National Laboratory (LBNL) and the SLAC National Accelerator Laboratory, originally named Stanford Linear Accelerator Center, run by Stanford University (SLAC). This NEPA determination applies to these 18 sub-awards.

The activities to be completed under the sub-awards may include information gathering, analysis, and dissemination, small-scale indoor research and development projects using nanoscale materials, and small-scale research and development in conventional laboratories. All activities would be conducted in existing offices and operational laboratories and would be in accordance with applicable requirements (such as engineering, worker safety, procedural, and administrative regulations) necessary to ensure the containment of any hazardous materials. CX A9, B3.15 and B3.6 apply.

This NEPA determination applies to the awarding of funds to selected universities and national labs. Each national lab has a NEPA compliance program. Sub-award activities may be subject to additional NEPA review by the cognizant NEPA Compliance Officer at the individual labs.

Sub-award activities are limited to analysis and laboratory scale research and development. This NEPA determination

does not apply to any demonstration activities. Should any of the sub-awards propose to complete demonstration activities in conjunction with the DOE funded projects, additional NEPA review will be required prior to authorization of DOE funding. Additionally, any future BAPVC sub-awards will be subject to additional NEPA review.

NEPA PROVISION

DOE has made a conditional NEPA determination for this award, and funding for certain tasks under this award is contingent upon the final NEPA determination.

Insert the following language in the award:

You are restricted from taking any action using federal funds, which would have an adverse affect on the environment or limit the choice of reasonable alternatives prior to DOE/NNSA providing either a NEPA clearance or a final NEPA decision regarding the project.

Prohibited actions include:
Additional BAPVC sub-awards will require DOE NEPA review prior to authorizing funding.
This restriction does not preclude you from:

If you move forward with activities that are not authorized for federal funding by the DOE Contracting Officer in advance of the final NEPA decision, you are doing so at risk of not receiving federal funding and such costs may not be recognized as allowable cost share.

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 7/3/2012
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