

PMC-EF2a

(2.0 (02)

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



RECIPIENT: SVTC Solar

STATE: CA

PROJECT TITLE : SVTC Solar: A Photovoltaic Manufacturing Development Facility

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000259	DE-EE0004948	GFO-0004948-001	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:

- B3.6** Siting, construction (or modification), operation, and decommissioning of facilities for indoor bench-scale research projects and conventional laboratory operations (for example, preparation of chemical standards and sample analysis); small-scale research and development projects; and small-scale pilot projects (generally less than two years) conducted to verify a concept before demonstration actions. Construction (or modification) will be within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible).
- 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:

SVTC Solar proposes to use federal funding to create a photovoltaic manufacturing development facility. This facility will allow industry partners access to cutting-edge equipment which is intended to speed the transition from R & D to full-scale manufacturing of photovoltaic materials. The facility will be located within an existing building at 5212 Hellyer Ave, San Jose, CA.

This project includes 3 phases: Phase 1- facilities build-out and operations, which will entail permit submissions, design, equipment procurement & installations, baseline qualifications and MDF operation setup. Phase 2 – establishing user operations and differentiation capabilities, operation procedures, and investigate expanding operation capabilities. Phase 3- Establish quality systems and improve fabrication efficiencies, process improvements and optimization, and optimize business processes & gross margins.

The applicant has submitted R & D Questionnaire where equipment will be used and manufacturing will take place. These questionnaires thoroughly address the chemical and safety handling protocols associated with this project. All activities will take place within the existing structures outlined in the SOPO of this project. No construction or installations of solar equipment will take place outside of these facilities.

This project is comprised of siting and construction of facilities for processing of R & D work into manufacturing scale of solar equipment; therefore a CX B3.6 & 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 5/18/2011

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____

[Handwritten Signature]
NEPA Compliance Officer

Date: _____

5/31/2011

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: _____