

PMC-EF2a

(20102)

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



RECIPIENT: California Energy Commission

STATE: CA

PROJECT TITLE : SEP-ARRA: Quantum Solar PV Module Manufacturing Plant

Funding Opportunity Announcement Number Procurement Instrument Number NEPA Control Number CID Number
DE-FOA-0000052 EE221

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:

The State of California will provide \$4,356,500 to Quantum Fuel Systems Technologies Worldwide, Inc. (Quantum) to purchase equipment in support of the company's plans to expand its Solar PV Module manufacturing capabilities. Quantum is located at 17872 Cartwright Road, Irvine, CA 92614.

Quantum will use Recovery Act funds to purchase Pre-wash Glass Buffer, EVA (ethylene-vinyl-acetate) Applicator, Post Glass Washer Buffer, Array Completion and Soldering station, EVA and Back Sheet Layup station, Final Panel Buildup and Inspection station, Glass Washer, Stringer/Tabber Machine, Vacuum Laminators, Solar Output Measurement, Packaging Station, Repair Station, Storage Racks, Lift Trucks, Control Software, Office Furniture, and Computer Hardware. The work will not expand the footprint of the building; however, the project will require non-discretionary building permits for tenant improvements to the building. The expansion will not require new operation permits.

The proposed work is a retooling effort that will not increase the footprint of the facility and will be confined within existing buildings. DOE has been determined that the proposed activities will present no significant impact to human health and/or environment. The work outlined is consistent with activities identified under Categorical Exclusion B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the DOE project officer, funding for this project is \$4,356,500. Absent a significant change in the scope of this effort, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____

Date: 8/30/10