

PMC-EF2a

(2.04.02)

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



RECIPIENT: California Energy Commission

STATE: CA

PROJECT
TITLE : California's SEP-ARRA Program

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000221		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:

- A9** Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.
- A11** Technical advice and planning assistance to international, national, state, and local organizations.
- 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 has signed the SEP Template for the Energy Efficiency Retrofits and Clean Energy Systems Market Title. The Template addresses \$157,516,556 that was previously conditioned in this Market Title. In signing the Template, the State agrees to limit awards to projects that address:

1. Energy efficiency retrofits, provided that the projects are limited to installation of insulation; installation of energy efficient lighting; HVAC upgrades; weather sealing; purchase and installation of ENERGY STAR appliances; replacement of windows and doors; high efficiency shower/faucet upgrades; and installation of solar powered appliances with improved efficiency.
2. Development, implementation, and installation of onsite renewable energy technology that generates electricity from renewable resources, provided that projects are limited to:
 - o Solar Electricity/Photovoltaic - appropriately sized system or unit on existing rooftops and parking shade structures; or a 60 KW system or smaller unit installed on the ground within the boundaries of an existing facility.
 - o Wind Turbine - 20 KW or smaller.
 - o Solar Thermal - system must be 20 KW or smaller.
 - o Solar Thermal Hot Water - appropriately sized for residences or small commercial buildings.
 - o Ground Source Heat Pump - 5.5 tons of capacity or smaller, horizontal/vertical, ground, closed-loop system.
 - o Combined Heat and Power System - boilers sized appropriately for the buildings in which they are located.
 - o Biomass Thermal - 3 MMBTUs per hour or smaller system with appropriate Best Available Control Technologies (BACT) installed and operated.
3. Development, implementation and installation of energy efficient or renewable energy-powered emergency systems (lighting, cooling, heat, shelter) installed in existing buildings and facilities.
4. Installation of alternative fueling pumps and systems (but not storage tanks) installed on existing facilities (other than a large biorefinery); purchase of alternative fuel vehicles.
5. Development and implementation of training programs.
6. Development and implementation of building codes and inspection services, and associated training and enforcement of such codes in order to support code compliance and promote

building energy efficiency.

7. Implementing financial incentive programs such as rebates and energy savings performance contracts for existing facilities or for energy efficient equipment, provided that the incentives are not so large that they would be deemed to be grants that create projects that would not otherwise exist. (For example, giving a wind farm that cost \$100 million a sum of \$50 million and calling it a rebate would not fall within this Bounded Category).

This Template also lifts funding restrictions placed upon the Portola Valley School District for its roof mounted 280kw PV system. The Portola project was omitted from the NEPA Determination made for the ECAA List #2 loan program. In addition, the State has identified project activities that complement, but do not exactly fall within the terms of the Template. These activities include:

- Installation of dual technology occupancy sensors for all intermittently occupied spaces,
- Installation of National Electrical Manufacturers Association approved premium efficiency electric motors,
- Installation of variable frequency drives for all electric motors, fans, and pumps,
- Installation of vending machine controllers,
- Installation of programmable thermostats,
- Installation of sensors, software and equipment controls for the purposes of increasing energy efficiency,
- Installation of replacement high-efficiency kitchen equipment and controls,
- Installation of coll roof material that reduce roof heat absorption and reflect solar heat gain to reduce colling energy load,
- Installation of window film or shading materials to reduce solar energy transmission into conditioned space,
- Installation of heat recovery devices to recover waste heat from existing air or water system to increase heating and/or cooling energy efficiency,
- Installation of instantaneous hot water systems that reduce standby heat loss and water pumping energy of domestic hot water boiler, and
- Commissioning and retrocommissioning of building energy using equipment to ensure that the equipment performs as designed.

In view of the information provided by the State, I have determined that the activities within the Template, the Portola Valley School District PV project, and the 12 activity areas that complement the Template are classified as Categorical Exclusion A9, A11, and 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 our records, CA has \$157,516,556 of conditioned funds remaining in the aforementioned Market Title. This determination lifts the NEPA conditions that restricted CA's use of those funds.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:  NEPA Compliance Officer Date: 3/18/10

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: _____