PMC-EF2a

(2.04.02)

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

RECIPIENT: Snohomish County **STATE:** WA

PROJECT TITLE: Solar Array and Charging Stations – Administration Building/Cathcart

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000850		EE0

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:

Snohomish County, Washington proposes to use $278,880.00 of EECBG funds to support their solar carports and Prius conversion project. DOE funding will primarily be used to connect a 75kW solar array that will be roof mounted on an the existing County Administrative Building to approximately 15 electrical charging stations in Level B of the nearby County parking lot area (Please see attached figure). Further funding will be used to design/build a 20kW solar array on the roof an existing Fleet Management building at Cathcart and connect/install four accompanying electrical charging stations within the Cathcart parking lot (Please see attached figure).

This project is part of an overall regional effort to develop electrical charging infrastructure. The Admin Building charging station project is in conjunction with a planned rooftop solar array to help power a County building and electric vehicles. The Cathcart project is a standalone effort. Both are being coordinated with other regional electrification efforts being undertaken to develop a map of available charging sites and determine where future installations should be built to enhance electric charging infrastructure.

No clearing or excavation will be required for work at the Admin Building, however, trenching will be required at Cathcart to run power lines to the charging stations. Trenching at Cathcart will be approximately 150 feet from the building rooftop solar array across an existing asphalt parking lot to the charging stations area and 50 feet along the parking frontage; total area is less than 1 acre. The trenched area will be refilled with the material excavated and then resurfaced with asphalt. Total area anticipated to be refilled is less than 200 square feet.

Local building permits are required for the running of electrical conduit and the charging stations' installation at the Admin Building Parking Garage and for the solar array roof installation at Cathcart/ trenching and installation of the parking lot charging stations. The existing National Pollutant Discharge Elimination System (NPDES) permit at Cathcart will require a review of the proposed site work, however, no changes are anticipated as existing hard surfaces will remain and overall water runoff patterns and amounts will not be affected.

In addition to the solar array/carport activities, approximately $22,000 of awarded DOE funds will be used towards the conversion of two existing Prius automobiles to be plug-in hybrid electric vehicles (PHEVs) and initiation of associated enhanced training for local technical students as part of a local college intern program for technical automotive and diesel repair.

Waste Stream Requirements:

Prior to the expenditure of Federal funds to implement any of the above-mentioned activities, Snohomish County has the affirmative responsibility to ensure that it has a waste management plan addressing waste generated by their

proposed actions. The plan will describe the plan to dispose of any sanitary or hazardous waste, e.g. construction and demolition debris, old light bulbs, lead ballasts, piping, roofing materials, discarded equipment, debris, asbestos, etc. generated as a result of the proposed project. The recipient must ensure that it will comply with all federal, state and local regulations for waste disposal.

NHPA Requirements

Prior to the expenditure of Federal funds to purchase energy efficient equipment for NBCP, Snohomish County has the affirmative responsibility to ensure compliance with Sec. 106 of the National Historic Preservation Act (NHPA). Snohomish County must contact the State Historic Preservation Officer in regards to the potentially historic buildings listed above. Supporting document will be reviewed by the DOE as part of its post-award monitoring.

Based on this project being part of an overall regional effort to develop electrical charging infrastructure and reduce consumption of fossil fuels, this action is categorically excluded under CX number B 5.1, Actions to Conserve Energy.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10

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