PMC-EF2a

(20402)

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

RECIPIENT: ODOE

STATE: OR

PROJECT TITLE: SEP ARRA - Deployment of Innovative Energy Efficiency and Renewable Energy - Agriculture - Dufur & Hanna-Cantrell

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	EE0000140	GFO-0000140-001	EE140

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:

DOE is proposing to provide $1,100,000 in SEP funding to the State of Oregon, who would transfer this funding to the Oregon Department of Agriculture to install improved efficiency irrigation equipment at agricultural sites throughout the State.

Project Location 1: Hanna-Cantrell
81595 Dufur Valley Rd., Dufur, OR 97021
DOE Funding Amount: $20,000 (Total Project Cost $30,000)

Project Location 2: Dufur
83087 Dufur Valley Rd., Dufur, OR 97021
DOE Funding Amount: $5,000 (Total Project Cost $10,000)

This NEPA review applies to two projects. First is the installation of two variable frequency drives (VFD) onto two existing irrigation pumps at Project Location 1. This site is within a Flood Zone A designation along Fifteen Mile Creek in Wasco County, Oregon. The VFDs would be attached to existing pumps and must be located within the Area of Special Flood Hazard (Flood Zone A) because the landowner pulls water from the creek and well to irrigate. The VFD would allow the landowners to reduce electrical consumption for irrigation water pumping. Second is the replacement of an existing irrigation pump at Project Location 2. The pump would be replaced along Fifteen Mile Creek in Wasco County, Oregon. This pump is also located within the Area of Special Flood Hazard (Flood Zone A).

Minimal ground disturbance would occur as a result of the VFD installations and pump replacement. Both VFD installations would be mounted on existing pumps located in previously disturbed areas. Screens would be placed on the intake pipe to protect fish species.

An electrical permit would be secured from the local utility company, by the contractor, prior to beginning the project. The permit would ensure that all electrical work is completed in compliance with electrical codes.

Development projects, located within Areas of Special Flood Hazard in Wasco County, are required to secure a land use permit. According to the Wasco County Oregon Planning Department, a FEMA Development permit is not required.. In a letter dated April 28, 2011, the Wasco County Oregon Planning Department confirmed that adding a VFD to an existing pump is not considered "development;" therefore the project does not require a land use permit. DOE has determined that the proposed projects constitutes a minor modification of an existing facility or structure as defined at 10 CFR 1022.5(d)(3).
In view of the information provided by the State and the recipient, DOE has determined that the impacts related to the

proposed project are anticipated to have negligible affects on the human and natural environment. The proposed project is consistent with actions outlined in B5.1, "actions to conserve energy," and is, therefore, categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Note to Specialist :

Cristina Tyler 7.15.2011

DOE Share: $25,000
Cost Share: $15,000
Total Project Cost: $40,000

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 9/23/11

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