PMC-EF2a
(2.06.02)

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

RECIPIENT: Montana DEQ **STATE:** MT

PROJECT TITLE : Robert Petty Loan

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	ARRA-SEP	GFO-10-486	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:

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 Montana Department of Environmental Quality is proposing to award EECBG ARRA funding to Robert Petty to install a micro-hydro power system, solar thermal hot water system, insulation, and new windows at his residence. All actions for the proposed project will occur on Mr. Petty's property.

The 3.5 kW micro-hydro turbine will be located adjacent to the residence. The area of ground disturbance includes an 8 foot x 10 foot (80 square feet) structure to house the turbine. The water for the turbine will be supplied through an existing pipe for which a water right already exists. There will be no connection to the grid. The site for the turbine is on previously disturbed land and ground disturbance is not expected to have adverse effects on threatened and endangered species, wetlands, floodplains or cultural resources. All other components will be installed in or on the house and are appropriately sized for the residence; therefore they will not have adverse effects on threatened and endangered species, wetlands, floodplains or cultural resources.

The Montana Department of Environmental Quality has completed an Environmental Assessment of the proposed project and found that there are no environmental impacts associated with the project. DOE has reviewed the DEQ Environmental Assessment and concurs with the conclusion that the proposed project will have no significant impacts to human health and/or environment. The project will reduce conventional fossil fuel energy consumption; therefore it is categorically excluded from NEPA review under B5.1 "actions to conserve energy".

NEPA PROVISION

Insert the following language in the award:

You are required to:
The recipient is required to obtain all the necessary permits regarding the actions of the proposed project.

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 7/12/10