

PMC-EF2a

(2.04.02)

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



RECIPIENT: Idaho Office of Energy Resources - City of Franklin

STATE: ID

PROJECT TITLE : SEP ARRA REEZ City of Franklin Hydropower Project

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000141	GFO-10-535	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 State of Idaho will provide \$45,000 in Recovery Act funds to The City of Franklin to install a 2kW hydropower facility at the city's water plant facility. The plant is located at 3977 East Maple Creek Road in Franklin, Idaho.

The hydropower facility will be installed adjacent to City of Franklin's water treatment facility and will produce power from the water coming into the waste water treatment plant. The preliminary estimate of the hydropower plant capacity is 2 kilowatts. The plant will be a net metering system connected with Rocky Mountain Power. The system is expected to appreciably reduce the city's electric bill.

The design of the hydropower plant will require the diversion of water from Crooked Springs, about 3-miles above the treatment plant, to a concrete vault. The water will then be piped from the concrete vault to the treatment facility. There are two wells between Crooked Springs and the concrete vault that can be used if there is a high demand for water at the plant or if the flow in Crooked Springs is not adequate. Another source of water, if needed, is Lowe Springs. If Lowe Springs water is required, the water will also be diverted to the concrete vault as with the Crooked Springs water. The water rights for the project include the following sources and amounts:

Crooked Springs: DWR13-51 @ 270 gpm
Wells 1 & 2: DWR 13-7529 @ 148 gpm
Lowe Springs: DWR 13-4063 @ 300 gpm
Total Flow: 718 gpm

DOE has reviewed the plans for the hydropower plant. Based on the information provided by the State and applicant, that 1) water flows to the plant are at appropriate levels so as to not jeopardize resources that require use of the water, and 2) that water rights permits and plant operations permits will ensure appropriate water usage, DOE has determined that the work outlined is consistent with activities identified in Categorical Exclusion B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Insert the following language in the award:

You are required to:

Provide the DOE Project Officer and NEPA Compliance Officer with copies of the water permits and plant operation permits before work is initiated on the project.

Notify the DOE Project Officer and NEPA Compliance Officer should issuance of the water permits or plant operation permit require a significant change in the project plans.

Note to Specialist :

According to the project officer, funding for this project is \$45,000. Absent a significant change in the scope of work, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____
NEPA Compliance Officer

Date: 7/29/10

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: _____
Field Office Manager

Date: _____