

U.S. DEPARTMENT OF ENERGY
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY
NEPA DETERMINATION

**RECIPIENT:** Pleasant Grove City**STATE:** UT**PROJECT TITLE :** Independent Energy Community Renewable Power System (UT)

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
CDP	DE-EE0003270	GFO-0003270-003	GO3270

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:**

B5.15 Small-scale renewable energy research and development and pilot projects

Small-scale renewable energy research and development projects and small-scale pilot projects, provided that the projects are located within a previously disturbed or developed area. Covered actions would be in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices.

Rationale for determination:

The Department of Energy is proposing to provide funding to Pleasant Grove City, Utah to evaluate, design, test, install, and monitor a micro-hydroelectric generation system. The proposed facility would be located within Pleasant Grove's Battle Creek Water Storage and Flow Control Complex and utilize existing municipal infrastructure and resources. In addition to the hydroelectric facility, required public restrooms would be constructed to enable public access to the site. The Pleasant Grove's Battle Creek Water Storage and Flow Control Complex is located at 1800 East Battle Creek Drive, Pleasant Grove, UT.

A previous NEPA determination of a categorical exclusion A9, signed 6/20/2012, was made for tasks 1.0, 2.0, 6.0 and 7.0. A NEPA condition was placed on tasks 3.0, 4.0 and 5.0 pending additional information. This NEPA review is being conducted for these remaining three tasks.

In task 3.0, Pleasant Grove is proposing to construct a micro-hydroelectric generation system and a separate public restroom facility. This involves building a 2-story, 720 sq. ft. powerhouse to house the generation system and constructing a 12" water conduit to reroute water from Battle Creek Canyon pipeline to the facility. The existing pipeline would be capped and abandoned immediately downstream of the new pipeline connection. A 200 kW nameplate turbine and electrical equipment would be installed into the powerhouse. 480 Volt 3-Phase above ground power lines would be extended approximately 1500 feet east to the micro-hydroelectric facility, where an induction generator and a net metering facility would be connected to the power grid. The restroom facility would be a 240 sq. ft. structure with an associated 8" sewer line and would be built in the adjacent parking lot. Tasks 4.0 and 5.0 are connected to this task and involve collecting data from the hydro-facility then analyzing the data to determine maximum efficiency and energy output.

The U.S. Fish and Wildlife Service (USFWS) Endangered Species Program website identifies 12 candidate, threatened or endangered species that are known to or are believed to occur in Utah County, Utah. However, due to the lack of potential habitat for any the species at the project site, lack of critical habitat in the vicinity of the site and the previously disturbed and developed condition of the site; DOE has determined the proposed project would not adversely affect threatened and endangered species in the area.

The National Register of Historic Places does not identify any historic or cultural resources near the project site.

Prime farmland, wetlands, floodplains, and historical or cultural resources are not known to occur at the project site. Therefore, no impacts to these resources are anticipated.

Utah County is a federally designated nonattainment area for fine particle matter (PM 2.5 and PM 10). Prior to starting the project, the City of Pleasant Grove would obtain a Utah County construction activities Dust Control permit, with Best Management Practices, to reduce construction related dust impacts to local air quality.

Based on review of the project information and the above analysis, DOE has determined the construction of the micro-

hydroelectric generation system and restroom facility would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined the proposed project is consistent with actions contained in DOE categorical exclusion B5.15 "Small-scale renewable energy research and development and pilot projects" and is 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.

Insert the following language in the award:

You are required to:

Complete an application to the Federal Energy Regulatory Commission (FERC), and follow the conditions of the permit.

All newly constructed electrical power lines must be above ground.

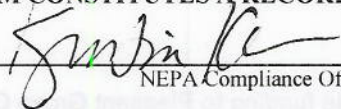
Note to Specialist :

This NEPA determination requires a tailored NEPA provision.

Completed by Diana Heyder 11/19/2013

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____


NEPA Compliance Officer

Date: _____

12/2/2013

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: _____