PMC-EF2a

(2.04.02)

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

RECIPIENT: Percheron Power, LLC **STATE:** WA

PROJECT TITLE : Harnessing the Hydro-Electric Potential of Engineered Drops in the Columbia Basin Project: Phase 1

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
FOA-0000486	DE-EE0005428	GFO-0005428-002	

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:

A9 Information gathering, analysis, and dissemination Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)

Rational for determination:

Percheron Power, LLC is proposing to use DOE funds to design, permit, install, and operate a small low-head hydro-electric generation facility in an existing engineered water drop within the Columbia Basin Project. It will employ a new type of turbine and technology, called an Archimedes Hydrodynamic Screw (AHS), to harness the existing potential of the engineered drop.

Projects tasks are divided into two budget periods (BP). This determination is being conducted for BP1 activities only. BP2 activities are dependent on successful completion of Tasks 1 and 2 and would require additional NEPA review and DOE authorization to continue after a Go/No go decision.

Budget periods and tasks are as follows:

Budget Period 1
Task 1: Licensing/Permitting
Task 2: Design (preliminary)

Budget Period 2
Task 3: Construction/Installation on Site
Task 4: Testing and Commissioning

Task 5: Project Management and Reporting (both budget periods)

During BP1, DOE funding would be used to support feasibility assessments, preliminary design, stakeholder and agency interaction, permitting and licensing. The second phase (Tasks 3 and 4) of the project would be performed only upon successful receipt of the FERC license and DOE's decision to fund BP2.

Based on this information, DOE has determined that Tasks 1, 2 and Task 5 are consistent with activities identified in categorical exclusion A9 (Information gathering data analysis, conceptual design, and computer modeling).

NEPA PROVISION

DOE has made a conditional NEPA determination for this award, and funding for certain tasks under this award is contingent upon the final NEPA determination.

Insert the following language in the award:

You are restricted from taking any action using federal funds, which would have an adverse affect on the environment or limit the choice of reasonable alternatives prior to DOE/NNSA providing either a NEPA clearance or a final NEPA decision regarding the project.

Prohibited actions include:
Tasks 3 and 4
This restriction does not preclude you from:
Tasks 1, 2 and 5
If you move forward with activities that are not authorized for federal funding by the DOE Contracting Officer in advance of the final NEPA decision, you are doing so at risk of not receiving federal funding and such costs may not be recognized as allowable cost share.

Note to Specialist :

Review completed by Laura Margason on April 12, 2012

Budget:

Task 1 Total: $624,000 ($624,000 Federal / $0 FFRDC / $0 Cost Share)
Task 2 Total: $380,000 ($160,000 Federal / $0 FFRDC / $220,000 Cost Share)
Task 3 Total: $4,627,164 ($711,427 Federal / $0 FFRDC / $3,915,737 Cost Share)
Task 4 Total: $133,323 ($0 Federal / $0 FFRDC / $133,323 Cost Share)
Project Total: $5,764,487 ($1,495,427 Federal / $0 FFRDC / $4,269,060 Cost Share)

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/18/2012
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