

PMC-EF2a

(20102)

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



RECIPIENT:Brigham City Corporation

STATE: UT

PROJECT
TITLE : Brigham City Hydro/Solar Generation Project

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
CDP	DE-FG36-06GO86093	GFO-06-098-001	GO86093

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 (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.
- B3.1** Onsite and offsite site characterization and environmental monitoring, including siting, construction (or modification), operation, and dismantlement or closing (abandonment) of characterization and monitoring devices and siting, construction, and associated operation of a small-scale laboratory building or renovation of a room in an existing building for sample analysis. Activities covered include, but are not limited to, site characterization and environmental monitoring under CERCLA and RCRA. Specific activities include, but are not limited to:

Rational for determination:

Brigham City Corporation (Brigham) would demonstrate the potential hydroelectric and solar resources in Brigham City. Brigham would collect and interpret data from the resource assessments. The project would be divided into three Phases with multiple tasks. The following tasks in Phase I are Categorical Excludable since the tasks include research and preliminary design. This review is specific to Phase I only.

Phase 1: Hydroelectric / Solar Electric Resource Assessment

Tasks would determine resource assessment. A water resource and solar assessment report would be produced showing the annual energy production of the hydro capacity factor and determine the feasibility of the replacement and new hydro. A final resource assessment report would be produced showing what the annual solar energy production would be with feasibility study.

- Task 1.1) Analyze 5 Hydroelectric Study Locations
- Task 1.2) Summarize Flow & Head Records
- Task 1.3) Model and Summarize Power Production
- Task 1.4) Develop a Hydroelectric System Preliminary Design
- Task 1.5) Electrical Interconnection with ROW and Interface
- Task 1.6) Operation & Maintenance
- Task 1.7) Estimate Construction Cost
- Task 1.8) Develop a Preliminary Schedule
- Task 1.9) Site Visit Coordination
- Task 1.10) Cost and benefit Summary
- Task 1.11) Summary

Solar

- Task 1.12) Solar Panel Review and Selection
- Task 1.13) Preliminary Racking System and Design
- Task 1.14) Solar Inverter Review and Selection
- Task 1.15) Solar Street Lights Cost Analysis
- Task 1.16) System Wiring Preliminary Design
- Task 1.17) Electrical Interconnection with ROW and Interface
- Task 1.18) Operation & Maintenance
- Task 1.19) Preliminary Design
- Task 1.20) Develop a Preliminary Schedule
- Task 1.21) Site Visit Coordination
- Task 1.22) Return On Investment Report

Task 1.23) Summary

Phase II and III (except Project Management and Reporting) are not Categorical Excludable since the solar and hydroelectric resources/projects have not been identified and therefore cannot be analyzed at this time.

Phase 2: Environmental Research

- Task 2.1) Environmental Assessment
- Task 2.2) Public Involvement & Scoping
- Task 2.3) Literature and Information Collection & Review
- Task 2.4) Resource Evaluation & Characterization
- Task 2.5) Preliminary & Administrative Drafts of EA
- Task 2.6) Final EA
- Task 2.7) Project Management & Reporting

Phase 3: Design & Construction

- Task 3.1) Hydro Construction
- Task 3.2) Solar Construction
- Task 3.3) Project Management & Reporting

At this time, the solar and hydroelectric resources/projects have not been identified, and therefore cannot be analyzed. Therefore, Phase II and III are not authorized (except Project Management and Reporting). Phase II and III would be analyzed once the solar and hydroelectric resources/projects are identified and submitted to the DOE.

Condition of Approval: Allowable: Phase I and Project Management and Reporting; Prohibited: Phase II and III (except Project Management and Reporting). This proposal comprises research, data analysis, and onsite characterization actions to promote the research and development of geothermal resources; therefore this project is categorized as CX A9 and B3.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

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:

Phase II and III (except Project Management and Reporting)

This restriction does not preclude you from:

Phase I and Project Management and Reporting

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 :

This EF2A was written by Christopher P Carusona II

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____

NEPA Compliance Officer

Date: _____

8/25/10

FIELD OFFICE MANAGER DETERMINATION