PMC-EF2a

(2.04.02)

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

RECIPIENT: Great Basin College **STATE:** NV

PROJECT TITLE : Great Basin College Direct Use Geothermal Demonstration Project

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
N/A, CDP	DE-EE0003299	GFO-0003299-001	3299

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:

DOE is proposing to provide federal funding to Great Basin College (GBC) to expand an existing geothermal heat pump system on campus in Elko, Nevada. The project would be completed in two phases with multiple tasks in each phase. Phase I would include planning and permitting to expand the existing ground source heat pump system for the campus. Phase II would include system expansion. This NEPA determination applies to all of Phase I and Phase II Tasks 7 and 8 only.

PHASE I: Planning and Permitting
Task 1.0) Preliminary Design for Near-Term and Future Expansion and Enhancement.
Subtask 1.1) Resource Assessment
Subtask 1.2) Near-Term Feasibility Study and Preliminary Engineering Design
Subtask 1.3) Future Planning
Task 2.0) Permitting/Environmental Documentation
Task 3.0) Educational Opportunities and Outreach
Task 4.0) Phase 1 Reporting and Monitoring

As the design of the expansion of the ground source heat pumps (GSHP) system has not been completed at this time, DOE cannot complete a NEPA determination for Phase II activities (equipment purchase and system expansion). The recipient is required to submit an additional EF1 when sufficient design details have been developed.

PHASE II: System Expansion
Task 5.0) Purchase Equipment
Task 6.0) System Expansion
Task 7.0) Education Opportunities and Outreach
Task 8.0) Project Management and Reporting

Phase I activities are CXed:
$135,194 DOE share
$125,000 GBC share

Phase II activities (except Task 7 and 8) are conditioned:
$511,676 DOE share
$275,000 GBC share

Phase I, Tasks 7, and 8 of this project comprises of site characterization and actions to promote research and develop geothermal resources to conserve energy. CX A9 and B3.1 apply.

Phase II Tasks 5 and 6 are restricted at this time.

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:
Phase II (except Tasks 7, 8)
This restriction does not preclude you from:
Phase I (Tasks 1 though 4) and Tasks 7 and 8
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 Carusona II

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 8/15/2011
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