

PMC-EF2a

(2.04.02)

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

**RECIPIENT:**Roberts Wesleyan College**STATE:** NY**PROJECT
TITLE :** Geothermal Energy Project

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
CDP 84.09	DE-EE0000322	GFO-10-524	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:

- 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:

Roberts Wesleyan College (RWC) proposes to use DOE and cost share funding to develop and demonstrate geothermal source heat pumps for heating and cooling. In Phase I (Preliminary Engineering and Design), RWC would preliminary engineer and design a ground source heat pump system for RWC. At this time, the DOE is not evaluating Phase II (Project Implementation) or Phase III (Project Operation) in this NEPA determination due to lack of a preliminary geothermal system for RWC. This review is specific to Phase I only.

PHASE 1 – Project Engineering and Design

Sub-Task 1.1 – select engineering firm to design a preliminary geothermal system.

Sub-Task 1.2 – identify key team members and develop design a time line

Sub-Task 1.3 – design a preliminary project using a team approach

Sub-Task 1.4 – develop a project implementation schedule and finalize budget

PHASE 2 – Project Implementation

Sub-Task 2.1 – Finalize design and bid project construction components

Sub-Task 2.2 – install designed project in coordinate with the building usage

Sub-Task 2.3 – commission the project verifying that all components are function per design

PHASE 3 – Project Operation

Sub-Task 3.1 – activate geothermal HVAC system

Sub-Task 3.2 – collect data using building management system

Sub-Task 3.3 – show data trends over 12 month period

The DOE has not evaluated PHASE II and PHASE III in this NEPA determination. Condition of Approval: Allowable: Phase I Prohibited: Phase II, and III. This proposal comprises site characterization and information gathering of a geothermal resource; therefore this project is categorized as CX A9, and B3.1.

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 2 and 3

This restriction does not preclude you from:

Phase 1

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.

Insert the following language in the award:

You are required to:

Prohibited Phase 2 and 3. Allowable: Phase 1

Note to Specialist :

This EF2A was written by Chritopher Carusona II

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:



NEPA Compliance Officer

Date:

7/26/10

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:
