PMC-EF2a
(2.04.02)

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

RECIPIENT: West Chester University of Pennsylvania **STATE:** PA

PROJECT TITLE : Design and Implementation of Geothermal Energy Systems at West Chester University

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
70.10	DE-EE0003217	GFO-10-484	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:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

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.

Rational for determination:

West Chester University of Pennsylvania proposes to use federal funds to design and install an extension to the West Rosedale Avenue geothermal system. They plan to use 1,300 feet of twin high density polyethylene supply/return piping along the road to connect into the central well field and to the main academic quad.

This project will involve project planning to include development of a project plan, contractor selection and securing project approvals; implementing the project to include worksite prep, excavation, pipe laying and installation, trench backfill, system testing, surface restoration and demobilization; and project management and reporting. This project will take place wholly on West Chester University within the town of West Chester, PA. Excavations will be limited to previously disturbed grounds along West Rosedale Avenue.

A Pennsylvania Natural Diversity Inventory (PNDI) Internet Database search was completed on March 26, 2010. The Pennsylvania Game Commission anticipated no impact to threatened and endangered species and/or special concern species or resources. The Pennsylvania Department of Conservation and Natural Resources provided a conservation measure of avoiding the introduction of invasive species in order to protect the integrity of nearby plant species of special concern. The Pennsylvania Fish and Boat Commission required further review of the project and on August 9, 2010, a letter was received from them determining that no adverse impacts were expected from the proposed project. The U.S. Fish and Wildlife Service responded that no impacts to federally listed or proposed species are anticipated.

The Bureau for Historic Preservation of the Pennsylvania Historical and Museum Commission reviewed the project and determined that there would be no effect to the West Chester State College Quadrangle Historic District.

This project is comprised of document preparation and project design as well as actions to conserve energy through the use of a geothermal system; therefore a CX A9 and B5.1 will apply.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

EF2a completed by Eugene Brown and Casey Strickland

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 9/1/10
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