PMC-EF2a
(2.04.02)

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

RECIPIENT: County of Lancaster **STATE:** PA

PROJECT TITLE : Lancaster County Environmental Center Renewable Energy System - Geothermal - ARRA - EECBG

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000935		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:

Lancaster County is proposing to install a ground source heat pump to service their Environmental Center. The system will consist of the drilling of 10-12 boreholes to install 3 x 7.5 ton GSHP kits to make a combined cooling and heating load of 25 tons. The system will circulate potable water as a heat transfer medium. All boreholes will be completely encased with thermally enhanced Bentonite grout. No wetlands, floodplains, nor coastal areas will be affected by the implementation of the proposed project. Lancaster County has consulted with both the Dept. of Natural Resources and the State Historical Preservation Office neither of which provided negative comments regarding the project. Lancaster County has committed to restoring the ground disturbed by the project to it original state, by re-grading the filings and reseeding with native seed. All guidelines and requirements set forth by the IGSHPA and NGWA will be followed during design, construction, and restoration. Silt fences will be installed prior to boring and all best industry practices to control erosion will be followed (IGSHP). The project will use a state licensed driller during all borehole drilling. The applicant states that there are no applicable permits for closed loop ground source heat pumps in the State of Pennsylvania.

After a through review of the proposed project it has been concluded that this project will not have a significant impact to human health and/or environmental. The project is therefore Categorically Excluded under B5.1 "Actions to Conserve Energy" and A9 "Information Gathering".

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10
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