PMC-EF2a

(2.04,02)

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



RECIPIENT: Energy Center of Wisconsin

STATE: WI

PROJECT TITLE:

Hybrid Geothermal Heat Pump Systems Research

Funding Opportunity Announcement Number DE-FOA-0000116

Procurement Instrument Number NEPA Control Number CID Number DE-EE0002944

GFO-10-135

GO2944

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.

Rational for determination:

Energy Center of Wisconsin (ECW) would demonstrate the potential benefits of hybrid geothermal heat pump systems (HyGSHP) by gathering data on existing systems throughout all seasons of the year and using it to refine and enhance tools for heating and cooling system designers and engineers (no construction would take place). The project would be divided into five tasks:

Task 1.0 Collect Performance Data

Task 2.0 Validate the HyGCHP Model

Task 3.0 Improve the HyGCHP Model

Task 4.0 Analyze the success of the hybrid approach for these buildings

Task 5.0 Report to the mainstream design community

ECW claims no permits are needed and there would be no generation of air emissions and/or toxic/hazardous associated with this work.

This proposal comprises data analysis, and actions to promote the research and development of more efficient geothermal technologies; therefore this project is categorized as CX A9.

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.

NE.	PA Compliance Officer Signature:
FIE	ELD OFFICE MANAGER DETERMINATION
	Field Office Manager review required
NC	O 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.
BA	SED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO:
Fie	eld Office Manager's Signature: Date:
	Field Office Manager