PMC-EF2a

(2.06.02)

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

RECIPIENT: Minnesota Department of Commerce, Office of Energy Security SEP ARRA EE0000164 **STATE:** MN

PROJECT TITLE : SEP - Residential Ground Source Heat Pump Installation - Scheuble, Jeremy

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE FOA 0000052	EE00000164	GFO-0000164-015	EE164

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.

Rational for determination:

Minnesota SEO will give $6,854.75 to Jeremy Scheuble who installed a 6 ton geothermal system with horizontal heat exchange piping. Total excavation was approximately 48' W x 800' L x 9' D. The loop field was installed along the west side of the house. The area surrounding the site is residential development consisting of large lots and cultivated farmland. There were no adverse effects to threatened and endangered species or critical habitat as these resources are not present at the project site (letter attached).

The MN GSHP rebate program requires contractors to be licensed and/or bonded as applicable under state or local requirements. All electrical work must be performed by a licensed electrician working for a licensed electrical contractor. The ground source heat pump contractor that installed the system is IGSHPA-certified.

No wetlands, flood plains or coastal zones were adversely affected as a result of the proposed project as these resources are not present at the project site (see attached maps).

DOE has consulted a third party cultural expert concerning potential adverse effects to historic properties and archeological resources. The cultural expert determined that no historic properties or archeological resources would have been adversely affected by the project. DOE has reviewed the assessment and concurs with the determination. The letter is attached.

All permits required are attached.

DOE is aware that this project has been completed and has determined that there were no significant impacts to human health and/or environment as a result of the project. Therefore this project is categorically excluded under B5.1 "Actions to Conserve Energy".

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 Logan Sholar

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 1/25/2011
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