PMC-EF2a
(2.04.02)

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

RECIPIENT: Minnesota Department of Commerce, Office of Energy Security SEP ARRA EE000164 **STATE:** MN

PROJECT TITLE : SEP Residential Ground Source Heat Pump Installations (6)

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE FOA 0000052	DE-EE0000164	GFO-0000164-011	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:

This determination is for the following projects listed below:

Minnesota Department of Commerce, Office of Energy Security SEP ARRA EE0000164 Residential Ground Source Heat Pump Rebate Program:

Gunnarson - 7460 Eagle Ridge Road, Buyck, MN 55771

Archibeque - 758 152nd Ave., Ham Lake, MN 55304

Kramer - 13744 Keystone Avenue North, Hugo, MN 55038

Farrell - 3363 Riley Road, Duluth, MN 55803

Johnson - 4353 Dorchester Drive, Woodbury, MN 55129

Hilgenberg - 18526 Judicial Road, Prior Lake, MN 55372

Every project under this determination is less than or equal to 11 tons. All projects listed are vertical, closed loop ground source heat pump systems. The exchange fluid for these projects is a mixture potable water and food-grade propylene glycol. 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-loop installers for these projects are IGSHPA-certified.

No wetlands or flood plains or coastal zones will be impacted by any of the projects on this list as these resources do not exist at the project sites. All project information has been submitted to the local SHPO in the State of MN in regards to state permitting. As part of the requirements within the program all SHPO consultation and permitting must be completed before construction activities can occur. Every project has submitted a waste management plan for all waste generated by the projects.
DOE is aware that four of the six projects listed above have been completed.

DOE has reviewed the information for the proposed projects and determined that these projects do not pose a significant impact to human health and/or environment. Therefore these projects are categorically excluded under B5.1 "Actions to Conserve Energy".

NEPA PROVISION

Note to Specialist :

EF-2a completed by Logan Sholar

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 10/27/10

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