

PMC-EF2a

(20402)

**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 :** Residential Ground Source Heat Pump Installation - Walter

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE FOA 0000052	EE0000164	GFO-10-618	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.

**Rational for determination:**

MN SEO will give \$8,697.50 to David Walter to install a 6 ton ground source heat pump system with a horizontal loop field. The ground disturbance will be 4'W x 15'L x 8' D for the header pit excavation. There will be 4 directional bores at 205' length each. The system will be connected to the home by a directional bore of 100'. There will be no deforesting for this project.

No wetlands or flood plains or coastal zones will be affected. All maps are attached to the EF1 to view. The installer will check with the MN Dept of Health, the County Well index for hydrology and geology conditions in the vicinity of the site.

This project was submitted to SHPO and the SHPO in MN concludes that no historic properties listed on or eligible for the National Register of Historic Places will be affected by the proposed project. The letter is attached to this EF1 as well.

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 contractor, AireServ, states that their installers are IGSHPA-certified.

DOE has concluded that this project does not pose a significant impact to human health and/or environment. Therefore this project has been Categorical 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 :

None Given.

**SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.**

NEPA Compliance Officer Signature: Kristin Kerwin Date: 9/15/2010  
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