

PMC-EF2a

(10402)

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



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

**STATE:** MN

**PROJECT TITLE :** SEP Residential Ground Source Heat Pump Installation - Gregg

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE FOA 0000052	EE0000164	GFO-10-623-002	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:**

Minnesota SEO will award \$10,000 to Anthony Gregg as a rebate for the cost of installation of a 7 ton, closed loop geothermal system with vertical heat exchange piping. The excavation consisted of 10 vertical wells installed to a depth of 125'. No deforestation was required. The subject residence located adjacent to the loop field was constructed in 2005.

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.

SHPO reviewed the project and determined that no historic properties listed on or eligible for the National Register of Historic Places will be affected by the project. 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 has been 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:

  
NEPA Compliance Officer

Date:

10/8/10

**FIELD OFFICE MANAGER DETERMINATION**