

PMC-EF2a

(2010)

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



RECIPIENT: Oregon Department of Energy

STATE: OR

PROJECT TITLE : Lakeview Schools Energy Efficiency Retrofit

|  |                                      |                            |                   |
|--|--------------------------------------|----------------------------|-------------------|
| <b>Funding Opportunity Announcement Number</b> | <b>Procurement Instrument Number</b> | <b>NEPA Control Number</b> | <b>CID Number</b> |
| DE-FOA-0000052                                 | DE EE 0000140                        | GFO-0000140-014            | EE140             |

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:**

The envisioned project originally consisted of three components: a southern direct use geothermal development project, a northern geothermal power generation system, and a geothermal heating system retrofit of five school buildings in the town of Lakeview. Department of Energy funds were originally going to be allocated for the entire development project and a C12 NEPA determination was processed on June 25, 2009 (GFO-07-061a) for the preparation of an Environmental Assessment. An additional NEPA Determination for preliminary data gathering activities and technical advice and planning (A9 and A11) was processed on October 8, 2010. The Draft DOE/EA-1701 was issued in January 2011. However, geothermal funding (ARRA) has been exhausted, and is no longer available for the entire project, only for the geothermal retrofit of the buildings (a State Energy Program award). The school buildings would require facility upgrades in order to utilize the geothermal direct use system. The retrofits are explained in the Draft DOE/EA-1701, with more detail in a geothermal heating system feasibility study prepared for the project. Hot water retrofits in all schools would incorporate existing boilers to provide emergency backup heating in the event the geothermal system is out of service. Almost all upgrades will occur to systems that are located inside the buildings, which would minimize or negate ground disturbances at the facilities.

Impacts related to the retrofit activities are anticipated to have negligible or no effects on the human, natural, and cultural and historic environment. Construction vehicles will consist primarily of trucks transporting workers, supplies, and materials to and from the building locations for a period of 2-3 months and would result in minimal impacts to the environment and transportation characteristics of the area. The Oregon State Historic Preservation Office has made determinations of "no effect" for the building upgrades on June 7, 2011 as none of the buildings are eligible for the National Register of Historic Places.

Condition of Approval: This is a DOE State Energy Program award and is restricted to building retrofits. These funds are not to be used for geothermal or pipeline activities such as the southern direct use geothermal development project or northern geothermal power generation system.

The planned building retrofit activities are consistent with actions outlined in categorical exclusion B5.1 (actions to conserve energy, demonstrate potential energy conservation, and promote energy efficiency) and are therefore categorically excluded from further NEPA review consistent with criteria outlined in Appendix B to Subpart D of Part 1021 of the DOE NEPA implementing regulations.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Insert the following language in the award:

You are required to:

Condition of Approval: This is a DOE State Energy Program award and is restricted to building retrofits. These funds are not to be used for geothermal or pipeline activities such as the southern direct use geothermal development project or northern geothermal power generation system.

Note to Specialist :

This EF2A was written by Christopher Carusona

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

NEPA Compliance Officer Signature:

  
NEPA Compliance Officer

Date:

6/14/11

**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:

\_\_\_\_\_  
Field Office Manager

Date:

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