

PMC-EF2a

(2.0(02)

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



RECIPIENT: Oregon Department of Energy

STATE: OR

**PROJECT  
TITLE :**

Oregon ARRA SEP – Three Rivers School District Biomass Boiler

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE FOA 0000052			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:

The State of Oregon will provide \$283,700 in Recovery Act funds to Three Rivers School District to purchase and install a biomass boiler as replacement of an oil-fired boiler at the Illinois Valley High School. The current oil boiler is a 5.0 MBTU/hr package Kewanee boiler with the modulating controls locked at 50% firing rate. The old boiler is to remain in place as backup and peak heating use.

The biomass boiler is rated at 1.03 MBTU/hr and will supply 80% of the annual facility heating demand. Installation includes: Solagen model HDF-WC-277 three pass fire-tube, wood pellet stoker boiler; back-up burner with fuel filtration and water separator; flue vent stack with cyclone separator and fan for particulate removal; flexible auger feed for pellet fuel; outdoor fuel silo with concrete pad; ash removal auger system; PLC controls and programming; added expansion tank capacity; water treatment system; piping, valves, instrumentation and specialty items; and factory start-up, functional performance testing, and commissioning. The boiler and fuel silo will be installed on concrete pads outside of the current boiler room on previously disturbed school property. The equipment will be delivered pre-weatherized. The school is required to obtain proper state and local operation permit(s).

The size of the boiler is well within the provisions of the State SEP Template (3 MMBtu/hr). The boiler and fuel silo will be placed on a concrete pads adjacent to the school building and on previously disturbed land. The school district is required to acquire the necessary operation permit(s) for the boiler.

In view of information provided by the State and recipient, that the boiler is within the size limits outlined in the State SEP Template the that its installation will be on previously disturbed land, it is concluded that the work outlined is consistent with activities identified in Categorical Exclusion B5.1.

**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:

Provide the DOE Project Officer with the operations permit for the new boiler as a provision for the use of Recovery

Act funds. This provision will be waived if the size and/or intended use of the boiler exempts the need for an operations permit, in which case the recipient is to provide the DOE Project Officer with the notice of exemption as issued by the State and/or local jurisdiction.

Note to Specialist :

According to the project officer, funding for this project is \$283,700. Unless the scope of this effort changes significantly, a change in funding will not affect my determination.

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

NEPA Compliance Officer Signature: \_\_\_\_\_  
NEPA Compliance Officer

Date: 6/3/10

**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: \_\_\_\_\_