

PMC-EF2a

(20102)

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



RECIPIENT:WA Dept. of Commerce

STATE: WA

**PROJECT TITLE :** SEP ARRA SIRT I - Greenwood -Scaling Production of Clean, High-Efficiency, EPA Phase 2 Biomass Boilers in WA

<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-0000139	GFO-0000139-032	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:

- A9** Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.
- B1.7** Acquisition, installation, operation, and removal of communication systems, data processing equipment, and similar electronic equipment.
- 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 SIRT I Foundation and Greenwood Clean Energy Company are proposing to use \$300,000 in SEP ARRA funding through DOE for the implementation of manufacturing management systems, construction of production tooling, and purchase and installation of equipment, including arc welding robots and positioners, to automate and retool the recipient's manufacturing process of high efficiency, EPA Phase 2 biomass boilers. All project activity will take place at the company's manufacturing facility located at 13429 SE 30th Street, Bellevue, WA in an existing and heavily industrialized site. The proposed project will not result in adverse effects to air quality. The equipment will be used and housed at the manufacturing facility which fabricates and assembles biomass boilers. The automated materials handling systems will move, weld and construct materials and components during assembly. This system will be added to improve production and manufacturing of the biomass boilers into a more streamlined and energy efficient process. The increase in energy efficiency will not result in adverse effects to traffic around the site location. Project activities also entail project management and reporting, refractory mold tooling, development of a product data management system, and manufacturing resource planning.

After a thorough review of the information submitted for the proposed project, it can be concluded that the project will not have a significant impact to human health and/or the environment. Therefore the proposed project is hereby Categorically Excluded under A9 "information gathering, analysis, and documentation;" B1.7 "Acquisition and installation of data processing equipment and similar electronic equipment;" and B5.1 "actions to conserve energy," from further NEPA review.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

EF2a completed by Lizelle Espinoza

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

NEPA Compliance Officer Signature:   
NEPA Compliance Officer

Date: 3/22/2011

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