

PMC-EF2a

(2.04.02)

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



RECIPIENT: Wallowa Resources

STATE: OR

PROJECT TITLE : Wallowa County Integrated Biomass Energy Center

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
	EE0003154	GFO-0003154-001	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:**

Wallowa Resources proposes to use Congressionally Directed funding and State Energy Program funding to demonstrate and validate a small-scale, 0.1MW, combined heat and power integrated biorefinery that uses lignin intermediates/residues for fuels.

The biorefinery will be constructed within an old sawmill building that has been used for dimensional lumber processing in the past. The equipment involved will be a downdraft gasifier and a reciprocating engine for producing heat and power from chipped/shredded woody biomass. The building has a concrete slab floor and necessary utilities already in place. The building is part of a current milling operation and will create energy to power operations in the other buildings on the mill property.

This project will include project development, financial and legal structure establishment, feedstock supply contracts, permitting, building/equipment purchase, project commissioning, & project management and reporting.

This project will utilize space in an existing building on the Wallowa campus. This building is expected to undergo minimal renovation for construction and operation of the CHP biorefinery. There will be no ground disturbing excavation with this project. The SHPO has been consulted and has determined that this project will not adversely affect historic properties.

The project does not lie within an air non-attainment area; however, an Air Contaminant Discharge Permit from ODEQ will need to be obtained prior to commissioning of the CHP unit. These permits are primarily used to regulate minor sources of air contaminant emissions

The ash produced by burning the woody biomass is compared to that which would be burned in a fireplace. The ash will be stored in steel drums only then transferred and dumped at Ant Flat Solid Waste Landfill for disposal.

This project is comprised of constructing a CHP unit within an existing building to conserve energy; therefore a CX B5.1 will apply.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 5/23/2011

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

NEPA Compliance Officer Signature:  Date: 7/18/2011  
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