

PMC-EF2a

(2.04.02)

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



RECIPIENT: County of Lewis IDA

STATE: NY

PROJECT TITLE : Energy Efficiency Repairs & Air Quality Improvements at Lyonsdale Biomass

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-EE0003131	DE-EE0003131	GFO-10-617	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:

- B3.6** Siting, construction (or modification), operation, and decommissioning of facilities for indoor bench-scale research projects and conventional laboratory operations (for example, preparation of chemical standards and sample analysis); small-scale research and development projects; and small-scale pilot projects (generally less than two years) conducted to verify a concept before demonstration actions. Construction (or modification) will be within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible).
- 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 Lewis County Industrial Development Agency proposes to use federal funding to make repairs and upgrades to its biomass cogeneration facility to increase energy creation efficiency, reduce air pollutants and biomass throughput.

This project will include installing a refractory lining of the wood fired boiler firebox, fluid dynamic gas-path modeling to analyze gas flow for improved combustion, plantation fuel trial to demonstrate efficiency of woody energy crops for electrical power, steam leak investigations to increase electric generation efficiency, acid gas control demonstration to reduce air pollutants, steam turbine refurbishment to increase efficiency, and project management and reporting.

This project is comprised of small scale pilot projects and improvements to a biomass cogeneration facility to conserve energy; therefore a CX B3.6 and 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 9/21/2010

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Kristin Kerwin
NEPA Compliance Officer

Date: 9/22/2010

FIELD OFFICE MANAGER DETERMINATION