

**U.S. DEPARTMENT OF ENERGY
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY
NEPA DETERMINATION**



RECIPIENT: Kretz Lumber Co., Inc (subrecipient of WI Office of Energy Innovation)

STATE: WI

PROJECT TITLE : Wisconsin Energy Innovation Grant 2020 - Activity 2 Energy Efficiency and Process Efficiency

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
SEP-ALRD-2020	DE-EE-0008669	GFO-0008669-009	

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Policy 451.1), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

A9 Information gathering, analysis, and dissemination Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)

B5.14 Combined heat and power or cogeneration systems Conversion to, replacement of, or modification of combined heat and power or cogeneration systems (the sequential or simultaneous production of multiple forms of energy, such as thermal and electrical energy, in a single integrated system) at existing facilities, provided that the conversion, replacement, or modification would not have the potential to cause a significant increase in the quantity or rate of air emissions and would not have the potential to cause significant impacts to water resources.

Rationale for determination:

The U.S. Department of Energy (DOE) is proposing to provide funding to the Wisconsin Office of Energy Innovation to replace the existing, low-pressured, wood fired boiler with a new 500HP, high-pressured, wood fired boiler system at Kretz Lumber in Antigo, WI. The proposed system would produce process steam for the lumber dry kilns, deliver heat for production buildings, and provide 1.3 million kWh/year electricity for manufacturing processes. Additionally, a back pressure steam generator would be installed to provide electricity for the new boiler system and the existing dry kilns. The proposed system is based on a feasibility study completed by the U.S. Forest Service Wood Energy Technical Assistance Team. The U.S. Department of Agriculture also approved a Wood Innovations grant to help fund this project.

An approximate 5,000 square foot addition to the existing boiler building would be constructed to accommodate the new equipment. Additionally, an electrical connection would be trenched from the new addition to the existing boiler building to combine the existing kiln and boiler room electric meters for the new boiler and co-generation unit. No other building modifications would be required. Kretz Lumber Company and its project partners would adhere to all applicable Federal, state, and local health, safety, and environmental regulations.

The U.S. Fish and Wildlife Service's Information for Planning and Consultation database shows one mammal, (Northern Long-eared Bat), one insect (Monarch Butterfly), and one migratory bird (Bobolink) with the potential to occur in the project area. Because of the nature of the project (i.e. construction and trenching on already disturbed ground at a lumber facility), it is unlikely that any of the species of concern would be present in the project area. Additionally, the proposed project site is outside of the critical habitat of all listed species. Accordingly, DOE has determined the proposed project will have no effect on federally listed threatened or endangered species. Further, DOE does not anticipate adverse impacts to migratory bird species.

An existing Programmatic Agreement with the Wisconsin State Historic Preservation Office would be applicable to all activities proposed as part of this project. This Programmatic Agreement exempts the undertaking to be performed from Section 106 review. Accordingly, DOE has determined that there would be no potential to affect historic properties.

The proposed site is located outside of the 100-year floodplain.

Any changes to the project activities described above or the location are subject to additional NEPA review by DOE

and are not authorized for Federal funding unless and until the Contracting Officer provides written authorization on those additions or modifications.

NEPA PROVISION

DOE has made a final NEPA determination.

Notes:

Office of Weatherization and Intergovernmental Programs – State Energy Program
This NEPA Determination does not require a tailored NEPA provision.
NEPA review completed by Diana Heyder, 10/06/21

FOR CATEGORICAL EXCLUSION DETERMINATIONS

The proposed action (or the part of the proposal defined in the Rationale above) fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D. To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities; (3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph B(4) of 10 CFR Part 1021, Subpart D, Appendix B; (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.

There are no extraordinary circumstances related to the proposed action that may affect the significance of the environmental effects of the proposal.

The proposed action has not been segmented to meet the definition of a categorical exclusion. This proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

The proposed action is categorically excluded from further NEPA review.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:  Electronically Signed By: Casey Strickland Date: 10/7/2021
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

- Field Office Manager review not required
- Field Office Manager review required

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____
Field Office Manager