

PMC-ND

(1.08.09.13)

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



RECIPIENT: Indiana Office of Energy Development

STATE: IN

PROJECT TITLE: Wastewater Treatment Plant Grant - Marion Utilities

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
SEP-ALRD-2015	DE-EE0006210	GFO-0006210-004	

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 or water (a) Actions to conserve energy or water, demonstrate potential energy or water conservation, and promote energy efficiency that would not have the potential to cause significant changes in the indoor or outdoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, manufacturers, and designers), organizations (such as utilities), and governments (such as state, local, and tribal). Covered actions include, but are not limited to weatherization (such as insulation and replacing windows and doors); programmed lowering of thermostat settings; placement of timers on hot water heaters; installation or replacement of energy efficient lighting, low-flow plumbing fixtures (such as faucets, toilets, and showerheads), heating, ventilation, and air conditioning systems, and appliances; installation of drip-irrigation systems; improvements in generator efficiency and appliance efficiency ratings; efficiency improvements for vehicles and transportation (such as fleet changeout); power storage (such as flywheels and batteries, generally less than 10 megawatt equivalent); transportation management systems (such as traffic signal control systems, car navigation, speed cameras, and automatic plate number recognition); development of energy-efficient manufacturing, industrial, or building practices; and small-scale energy efficiency and conservation research and development and small-scale pilot projects. Covered actions include building renovations or new structures, provided that they occur in a previously disturbed or developed area. Covered actions could involve commercial, residential, agricultural, academic, institutional, or industrial sectors. Covered actions do not include rulemakings, standard-settings, or proposed DOE legislation, except for those actions listed in B5.1(b) of this appendix. (b) Covered actions include rulemakings that establish energy conservation standards for consumer products and industrial equipment, provided that the actions would not: (1) have the potential to cause a significant change in manufacturing infrastructure (such as construction of new manufacturing plants with considerable associated ground disturbance); (2) involve significant unresolved conflicts concerning alternative uses of available resources (such as rare or limited raw materials); (3) have the potential to result in a significant increase in the disposal of materials posing significant risks to human health and the environment (such as RCRA hazardous wastes); or (4) have the potential to cause a significant increase in energy consumption in a state or region.

B1.31 Installation or relocation of machinery and equipment Installation or relocation and operation of machinery and equipment (including, but not limited to, laboratory equipment, electronic hardware, manufacturing machinery, maintenance equipment, and health and safety equipment), provided that uses of the installed or relocated items are consistent with the general missions of the receiving structure. Covered actions include modifications to an existing building, within or contiguous to a previously disturbed or developed area, that are necessary for equipment installation and relocation. Such modifications would not appreciably increase the footprint or height of the existing building or have the potential to cause significant changes to the type and magnitude of environmental impacts.

Rationale for determination:

The Department of Energy is proposing to provide funding to the state of Indiana to incorporate energy efficiency measures at wastewater treatment plants. The proposed project would involve the purchase and installation of a combined heat and power (CHP) generator at the Marion Utilities Wastewater Treatment Plant. The activities would include the clearing of landscape and placement of a 10 foot x 27 foot concrete pad. The CHP generator would be located on the concrete pad next to the Pump house. Electrical lines would be added below ground to connect the generator to the Pump Building and the Electrical Building, as well as new electrical lines between the CHP unit and the equipment to be powered. Additional water pipes associated with the heat reclamation and distribution within the Pump Building, would be extended to connect to the proposed CHP unit, as well as necessary gas lines.

Modifications to the electrical wiring would be required in the Electrical Building. Recipient would obtain all required

permits.

The U.S. Fish and Wildlife Service Endangered Species Program website (IPaC) identifies two endangered or threatened species that are known to, or are believed to occur near the project site in Grant County, Indiana. However, due to the lack of habitat for federally listed species at the site, DOE has determined the proposed project would have no effect on threatened and endangered species in the area.

Additionally, there are 21 Migratory Birds that are listed as Birds of Conservation Concern in Grant County. Due to the small footprint of the proposed project, and the project location within a developed area between existing buildings, along with plentiful availability of similar foraging habitat in the surrounding area, impacts to individuals or populations of the species named above are not expected as a result of construction of the proposed project.

The project is located outside of the 100-year floodplain.

Based on a review of the project information and the above analysis, DOE has determined that the proposed energy efficiency improvements would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined the proposed project is consistent with actions contained in DOE categorical exclusion and B5.1 "Actions to conserve energy or water" and B1.31 "Installation or relocation of machinery and equipment" is categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Insert the following language in the award:

You are required to:

The Indiana State Historic Preservation Office reviewed the proposed project and determined that the proposed undertakings are not likely to have an effect on historic properties.

If any prehistoric or historic archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (Indiana Code 14-21-1-27 and 29) requires that the discovery must be reported to the DNR within two (2) business day. In that event, please call (317) 232-1646. Be advised that adherence to Indiana Code 14-21-27 and 29 does not obviate the need to adhere to applicable federal statutes and regulations, including but not limited to 36 C.F.R. 800.

Note to Specialist :

Weatherization & Intergovernmental Programs Office (SEP)
This NEPA Determination requires a tailored NEPA provision.
NEPA review completed by Diana Heyder 12/11/15

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____

NEPA Compliance Officer

Date: _____

12/14/2015

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.