

PMC-EF2a

(2.01.02)

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



RECIPIENT: State of Wisconsin SEP ARRA EE0000163-Milwaukee Metropolitan Sewerage District

STATE: WI

PROJECT TITLE : Waste to Energy

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE FOA 0000052	DE EE0000163	GFO-10-475	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:

The State of Wisconsin will provide \$5,000,000 of Recovery Act funds to Milwaukee Metropolitan Sewerage District (MMSD) to install three turbine generators in the Jones Island Water Reclamation Facility. The funds will be used as working capital and for the purchase of three Recuperating Gas Turbine Generator Sets and related engineering design work. The Recovery Act funds are through the State's Job Creation & Retention Through Industrial Facilities Reduction of Fossil Fuel Use market title.

The turbine generator sets will use captured landfill gas to provide electricity for the Water Reclamation Facility. This is a two phase project with Recovery Act funds being used for Phase 2, which is estimated at \$20,400,000. The Recovery Act funded portion of this project will not expand the footprint of the existing building and no construction or repairs of the building will be undertaken in the project. The recipient has applied for a Construction Air Permit with the Wisconsin DNR; they are currently operating under Permit No. 241029250-P01.

The Jones Island Water Reclamation Facility is a historical site and all materials have been submitted to the Wisconsin SHPO Office for review. The WI SEO is awaiting approval from SHPO before initiating work.

DOE is aware that the Recovery Act funding to be used in Phase 2 of the project may have connected action with the Phase 1 effort of the project. DOE is required to review potential significant impacts from the entire project as the Recovery Act funding being provided is essential to complete the project. A review of Phase 1 of the project has concluded the following:

The first phase of the proposed project will not receive Recovery Act funding, which consists of the construction of a pipeline to carry landfill gas generated at Emerald Park landfill to the Jones Island Water Reclamation Facility. The landfill is currently flaring the gas by burning it in a tower, which is causing large air emissions. The new pipeline will be approximately 13 miles long and connect to an existing 6 mile length of pipeline. Two thirds of the new pipeline will be installed using directional drilling to reduce ground disturbance and the rest will be installed through conventional trenching. The pipeline alignment and design was intended to minimize property acquisition. There was no need to acquire property for this phase of the project as most of the pipeline is in the public right of way. There are a couple of easements that are being finalized, but no zoning changes are necessary. The recipient has stated that they have not received any written comments from the public and they are not aware of any public commentary expressed to the regulatory/review agencies to date concerning Phase 1 of the proposed project. The recipient has provided a comprehensive listing and status of all permits required for Phase 1 and 2 as well as letters from local, state, and federal agencies detailing any consultation required.

After a thorough review of the information submitted for both Phase 1 and Phase 2 of the project, DOE has determined that no significant impacts to human health and/or environment are likely due to the actions involved with the proposed project. Based on the information provided, the work outlined is consistent with activities identified in Categorical Exclusion B5.1 "actions to conserve energy."

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Insert the following language in the award:

You are required to:

Provide the DOE Project Officer with documentation from the WI SHPO stating project approval, or the terms and condition by which the State may proceed with the project.

Note to Specialist :

According to the project officer, funding for this project is \$5,000,000. Absent a significant change in the scope of this effort, a change in funding will not affect my determination.

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

NEPA Compliance Officer Signature: \_\_\_\_\_

NEPA Compliance Officer

Date: \_\_\_\_\_

6/28/10

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