

PMC-EF2a

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



RECIPIENT: Michigan Energy Office

STATE: MI

PROJECT TITLE : EERE Loan Program - Maple Leaf Properties

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000166	GFO-0000166-045	EE166

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:

DOE is proposing to provide federal funding to the Michigan Energy Office (MEO) under the American Recovery and Reinvestment Act of 2009 State Energy Program (SEP). The amount of funding will be determined by MEO pending other project approvals. MEO proposes to award a portion of its SEP Revolving Loan Fund allocation to Maple Leaf Properties (120 East Front Street, Monroe, Michigan 48161). Maple Leaf would work with the City of Monroe Wastewater Treatment Plant (WWTP) to install an Ecotech Biosolids System (EBS).

The proposed EBS would be installed within the existing WWTP and would be mounted on a moveable trailer. The system would include: the blower, heater and mixing unit. The total size of the equipment would be 400 square-feet. The system would be used to transport and non-thermally dry biosolid cake material in an energy efficient process that would result in energy savings during the dewatering process. Maple Leaf would work with Kapex Manufacturing, LLC (the distributor) to install the system at the WWTP for a sixty-day demonstration pilot. The completion of this project would allow the WWTP to reduce energy usage as well as reduce the amount of waste sludge needing to be removed from the facility.

The existing WWTP (G-2652 Beecher Road, Flint, Michigan 48532) is surrounded by cemeteries on the west-, north- and eastside. The nearest residence is within 1,000 feet south of the WWTP.

The proposed project and associated actions have the potential to impact the following resource areas:

Cultural Resources – The proposed project would take place within the existing WWTP. As the footprint of the building would not be expanded and there are no external improvements or additions needed, DOE has determined the proposed project has no potential to cause effects on listed or eligible property, as defined in 36 CFR § 800.

Threatened and Endangered Species – Because the proposed project would take place within the WWTP, DOE has determined the proposed project would have no effect on threatened or endangered species in the project vicinity.

Permits – The WWTP is an existing facility. As the proposed project does not involve construction, ground disturbance, changes to air quality, water discharge or an increase in hazardous waste handling or storage – the proposed project would not require new permits or modifications to existing permits.

Waste Management – MEO requires each sub-recipient to provide it with a waste management plan, which details the sub-recipient's disposal process for sanitary and/or hazardous waste.

Traffic – Traffic related to implementation of the proposed project would be decrease because less waste would have

to be removed.

DOE has determined the proposed project would not have the potential to impact: air quality, water quality or utilities.

Based on this information, DOE has determined the work outlined is consistent with activities identified in categorical exclusion B6.8 (minimize waste generation) and 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:

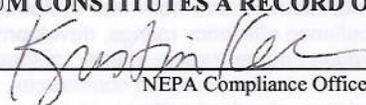
If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing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

Note to Specialist :

Cristina Tyler 11.04.2011

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____



NEPA Compliance Officer

Date: _____

11/9/2011

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: _____