PMC-EF2a

(2.04.02)

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

RECIPIENT: Maryland Energy Administration **STATE:** MD

PROJECT TITLE : Maryland EECBG water/wastewater motor system upgrades

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-EE0000745	EE0000745	GFO-0000745-004	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 Maryland SEO is proposing to allow sub-grantees to use EECBG funding for Activity #1 - "Maryland ARRA County & Municipal Grant Program" to implement energy management technologies that will save energy related to water and waste water treatment plant motor usage. The motors are used throughout the water purification process. More specifically, the Maryland SEO is proposing to allow sub-grantees to use funding on the following projects:

Replace existing motors at waste water and water treatment plants in multiple locations with new, energy efficient motors. All motors are expected to be less than 100 horsepower in size.

Upgrade existing motors systems at water and waste water treatment plants with variable frequency and/or variable speed drives. Installation of variable speed and/or variable frequency drives will allow water and waste water treatment plant motor speeds to be controlled to match the loads, reducing electricity usage.

Install dissolved oxygen sensors on waste water treatment aerator tanks. By installing dissolved oxygen sensors on the aerator tanks, the blower motors on the aerator tanks can be operated on an as needed basis, reducing blower motor run time and thus electricity usage.

The treatment plants are all currently operating and permitted facilities authorized by the State of Maryland. All aspects of the proposed motor system upgrades will occur within existing facilities. No new construction or expansion of existing building footprints will result from the proposed project.

All motor related waste will be handled in a manner consistent with local and state ordinances.

The proposed project is consistent with activities outlined in B5.1 "actions to conserve energy"; therefore, the proposed project 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:

Note to Specialist :

EF2a completed by Logan Sholar

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 1/25/2011
NEPA Compliance Officer

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: _____ Date: _____
Field Office Manager