

PMC-EF2a

2010021

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



RECIPIENT: Washington Suburban Sanitary Commission

STATE: MD

PROJECT TITLE : Anaerobic Digestion/Combined Heat & Power

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	EE0000616	GFO-10-448	EE616

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:

- A9** Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.
- B3.6** Siting, construction (or modification), operation, and decommissioning of facilities for indoor bench-scale research projects and conventional laboratory operations (for example, preparation of chemical standards and sample analysis); small-scale research and development projects; and small-scale pilot projects (generally less than two years) conducted to verify a concept before demonstration actions. Construction (or modification) will be within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible).

Rational for determination:

The Washington Suburban Sanitary Commission proposes to use federal funds to determine the technical and economic feasibility of using anaerobic digestion and CHP and/or biosolids gasification to reduce fossil fuel energy use at the Seneca and Piscataway Wastewater Treatment Plants. This study will allow for the recipient to decide at their own discretion whether the results will warrant further engineering and construction of a new facility.

The project will include preliminary investigation of the plants for baseline information, development and selection of alternatives to the proposed AD/CHP due to limiting factors, and conceptual design of the plants and recommendations through finalized reports.

The applicant has submitted an R & D questionnaire that thoroughly addresses safety and chemical handling protocols.

This project involves information gathering and dissemination through workshops and document preparations of conceptual design and conventional laboratory operations; therefore a CXA9 and B3.6 will apply.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 6-29-2010

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.NEPA Compliance Officer Signature: *Eugene Brown*
NEPA Compliance OfficerDate: 6/29/2010