PMC-EF2a
(2.06.02)

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

RECIPIENT: Youngstown State University **STATE:** OH

PROJECT TITLE : Center for Efficiency in Sustainable Energy Systems

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-EE0000366	GFO-10-143	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:

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:

Youngstown State University proposes to use federal funds to research a methodology that evaluates a variety of energy systems. The program will analyze the energy-intensive manufacturing facilities and also apply principles developed through this analysis on sustainable energy storage technology and sustainable energy technology.

This project will involve an industrial assessment, landfill fuel cell generation, and improving low-velocity wind turbine energy capture with plasma control

Project work will take place indoors and within the confines of the laboratory. An R&D questionnaire has been submitted which thoroughly address' the safety protocols, no hazardous materials are associated with this project.

This project comprises information gathering and a research and development study in existing facilities; therefore a CX A9 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 :

None Given.

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

NEPA Compliance Officer Signature: _____ Date: 4/28/10
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION