PMC-EF2a
(2.06.02)

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

RECIPIENT: Saint Joseph's University **STATE:** PA

PROJECT TITLE : Saint Joseph's University Institute for Environmental Stewardship - Sustainability Research and Education

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
FY 2010 CDP	EE0003141	GFO-10-579	EE3141

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.

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:

Saint Josephs University proposes to use federal funding to analyze the adaptability of switchgrass for climate change related to growth, physiological, and biochemical responses.

This project will include analyzing changes in the biomass, physiology, and tissue biochemistry of switchgrass in response to climate change. This project will also comprise of design, installation, and utilization of a mixed-plant type green roof system on the Science Center. Education and community outreach will be done to present the research to the public from this award.

Rights of entry have been obtained from Kansas State Univeristy and Emporia State University research area's at the Konza Prairie Long-Term Ecological Research (LTER). Sampling of switchgrass will take place here and laboratory work will take place in the Science Center at Saint Josephs University. An R & D Questionnaire has been submitted which thoroughly addresses chemical and safety handling protocols. No GMO's will be used in the implementation of this project.

This project comprises of information gathering, conventional research activities, actions to conserve energy through the use of a green-roof technology; therefore a CX A9, B5.1, & B3.6 will apply to this project.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 8/31/2010

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Kristin Kerwin Date: 9/1/2010
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