

PMC-EF2a

(2.04.02)

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



RECIPIENT: CESaC, Howard University

STATE: DC

PROJECT TITLE : Utilization of Renewable Energy to Meet New National Challenges in Energy and Climate Change

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA0000089	EE0004006	GFO-0004006-001	EE4006

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:

B3.6 Small-scale research and development, laboratory operations, and pilot projects

Siting, construction, modification, operation, and decommissioning of facilities for smallscale research and development projects; conventional laboratory operations (such as preparation of chemical standards and sample analysis); and small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or contiguous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible). Not included in this category are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial deployment.

Rational for determination:

DOE is proposing to provide federal funding to the Center for Energy Systems and Control (CESaC), at Howard University, to conduct laboratory research and development activities that advance renewable energy resources into integrated environments.

The proposed project would develop an optimized and integrated renewable energy management system consisting of wind and solar. The project would include modeling, evaluation, optimization, performance studies and test cases using real-time measurement. The small wind and solar installation would be a table-top machine assembled and tested by graduate students and faculty inside the laboratory.

All laboratory work would be conducted at CESaC in the LK Downing Building (2300 6th Sreet, NW, Washington, DC 20059). The equipment for the proposed project would include renewable energy models and support devices. CESaC has completed an R&D questionnaire addressing the protocols for laboratory safety, risk management, chemical handling and waste disposal. CESaC complies with standard laboratory safety procedures. Labs are inspected by university staff and safety personnel. The department is monitored by Howard University's Physical Facilities Management (Environmental Health & Safety). CESaC has all applicable permits in place to conduct research on site.

Based on this information, DOE has determined the work outlined is consistent with activities identified in categorical exclusion B3.6 (indoor bench-scale research and conventional laboratory operation).

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

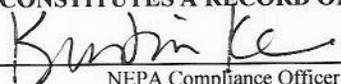
If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing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

Note to Specialist :

Cristina Tyler 1.26.2012

DOE Funding: \$301,243
Cost Share: \$78,000
Total Project Cost: \$379,243

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: 
NEPA Compliance Officer

Date: 1/27/2012

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: _____