PMC-EF2a

(2.04.02)

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



RECIPIENT: Florida Atlantic University

STATE: FL

PROJECT TITLE:

National Open-ocean Energy Laboratory

Funding Opportunity Announcement Number 2010 CDP

DE-EE0000319.002

Procurement Instrument Number NEPA Control Number CID Number

GFO-10-063-001

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:

- B3.1 Onsite and offsite site characterization and environmental monitoring, including siting, construction (or modification), operation, and dismantlement or closing (abandonment) of characterization and monitoring devices and siting, construction, and associated operation of a small-scale laboratory building or renovation of a room in an existing building for sample analysis. Activities covered include, but are not limited to, site characterization and environmental monitoring under CERCLA and RCRA. Specific activities include, but are not limited to:
- 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.
- A11 Technical advice and planning assistance to international, national, state, and local organizations.
- B3.3 Field and laboratory research, inventory, and information collection activities that are directly related to the conservation of fish or wildlife resources and that involve only negligible habitat destruction or population reduction
- 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:

Florida Atlantic University (FAU) proposes to use Congressionally Directed Funding through the DOE to study the energy potential of the Gulf Stream and currents off the coast of Florida. Their goals are to further the assessment of hydrokinetic and thermal ocean-energy resources off the east coast of Florida and to advance the development of those resources for commercial-scale electrical power production.

Task 1.0 Research

Subtask 1.1 Collision remote sensing feasibility

Subtask 1.2 Underwater observatory design & bench test

Subtask 1.3 Scale model testing capability implementation

Subtask 1.4 Generalize deployment capability

Task 2.0 Monitoring/Demonstration

Subtask 2.1 Include marine mammals in remote sensing monitoring

Subtask 2.2 Extend current monitoring array to north-south direction

Subtask 2.3 Deploy & monitor in-house prototype to demonstrate protocols consistent with best practices

Subtask 2.5 Programmatic environmental impact statement roadmap

Task 3.0 Education and Outreach

Subtask 3.1 Professional Workshop/Public Forums

Subtask 3.2 Public Outreach/Education

Task 4.0 Project Management and Reporting

This proposal comprises site characterization, indoor and outdoor laboratory work, and information gathering of a hydrokinetic energy; therefore this project is categorized as CX A9, A11, B3.1, B3.3, and B3.6

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award				
Note to Specialist:				
Note to Specialist.				
This EF2A was written by Christopher	Carusona II			note: Ware
GNATURE OF THIS MEMORANDUM	CONSTITUTES A RECORD O	F THIS DECISION	١.	
EPA Compliance Officer Signature:	Steve Blazek	CB	Date:	8/18/2010
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