

PMC-EF2a

(2.0+02)

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



RECIPIENT: M3 Wave Energy Systems LLC

STATE: OR

PROJECT TITLE : Wind and Water - DMP: Simple, Scalable, and Submerged

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000293	DE-EE0004572	GFO-0004572-001	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.

Rational for determination:

M3 Wave Energy Systems, LLC is proposing to use \$240,000 in DOE funding to evaluate the commercial viability of the Delos-Reyes Morrow Pressure (DMP) ocean power system. The final goal of this project is to determine an approximate cost per kWh that would be expected from a full-scale DMP system. Additionally, various modeling and testing tools will be created to facilitate short term and long-term system development.

The proposed project consists of the following objectives organized into 5 tasks:

- Design, fabrication, and wave tank testing of scale models
- Development of numerical system model
- Feasibility screening and evaluation of candidate subsystem component materials
- Initial test site identification
- Development of a detailed wave model for test sites
- Analysis of manufacturing, deployment, and operations cost data
- Analysis of test data and correlation to computer models
- Presentation of results at industry conference

The recipient has provided an R&D Laboratory Questionnaire which is attached. All aspects of the proposed project, with the exception of presentation of results, will occur within the existing facility identified in the R&D questionnaire.

The actions involved in the proposed project are consistent with activities outlined in A9; therefore, it is categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

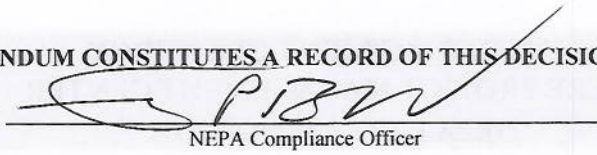
Insert the following language in the award:

Note to Specialist :

EF-2a completed by Logan Sholar

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____


NEPA Compliance Officer

Date: _____

11/16/10

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: _____