

PMC-ND
(1.08.09.13)

**U.S. DEPARTMENT OF ENERGY
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY
NEPA DETERMINATION**



RECIPIENT: Re Vision Consulting, LLC

STATE: CA

PROJECT TITLE : Wave Prediction Leveraging Multiple Measurement Sources - A Sensor Fusion Approach

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0001663	DE-EE0008099	GFO-0008099-001	

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:

A9 Information gathering, analysis, and dissemination Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)

Rationale for determination:

The U.S. Department of Energy (DOE) is proposing to provide funding to Re Vision Consulting LLC (Re Vision) to design and test a wave prediction system that will improve wave prediction accuracy and that can be readily deployed in conjunction with Wave Energy Converters.

The proposed project is divided into 7 Tasks.

Task 1 would involve planning activities, including obtaining contracts, developing intellectual property and data plans, and insuring financial management systems are in place.

Task 2 would involve obtaining any necessary permits. No field work would be required for task 2.

Tasks 3, 5, 6 and 7 would involve computer simulation and analysis of data. These tasks would be purely analytical.

Task 4 would involve the deployment of up to 8 measurement buoys in an ocean environment in California and, or Hawai'i.

Tasks 1-3 and 5-7 would involve only information gathering, analysis, and dissemination.

Task 4 would involve deployment of buoys into an ocean environment. Because there are numerous threatened or endangered species, critical habitat for species, as well as marine mammals located in the proposed buoy deployment areas, DOE does not at this time have enough information to evaluate the impacts of the proposed ocean deployment. A Biological Evaluation would need to be completed by Re Vision prior to a NEPA review of task 4.

Based on the review of the proposal, DOE has determined that the Tasks 1-3 and 5-7 of the proposal fit within the class of action(s) selected above. DOE has also determined that: (1) there are no extraordinary circumstances (as defined by 10 CFR 1021.410(2)) related to the proposal that may affect the significance of the environmental effects of the proposal; (2) the proposal has not been segmented to meet the definition of a categorical exclusion; and (3) the proposal is not connected to other actions with potentially significant impacts, related to other proposals with cumulatively significant actions, or an improper interim action. Tasks 1-3 and 5-7 of the proposal are categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a conditional NEPA determination for this award, and funding for certain tasks under this award is contingent upon

the final NEPA determination.

Insert the following language in the award:

You are restricted from taking any action using federal funds, which would have an adverse affect on the environment or limit the choice of reasonable alternatives prior to DOE/NNSA providing either a NEPA clearance or a final NEPA decision regarding the project.

Prohibited actions include:

Task 4: Field Campaigns

This restriction does not preclude you from:

Task 1: Detailed Implementation Planning

Task 2: Permitting

Task 3: Data Evaluation and Preparation

Task 5: Phase I - Numerical Algorithm Testing

Task 6: Systems Integration

Task 7: Final Testing of Integrated System

If you move forward with activities that are not authorized for federal funding by the DOE Contracting Officer in advance of the final NEPA decision, you are doing so at risk of not receiving federal funding and such costs may not be recognized as allowable cost share.

Note to Specialist :

This NEPA determination does require a tailored NEPA provision

Water Power Program

NEPA review completed by Roak Parker. August 11, 2017

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:



Signed By: Kristin Kerwin

NEPA Compliance Officer

Date:

8/16/2017

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:
