

PMC-ND  
(1.08.09.13)

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



RECIPIENT: Columbia Power Technologies

STATE: VA

**PROJECT TITLE :** Reduction of System Cost Characteristics Through Innovative Solutions to Installation, Operations, and Maintenance

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-0001310	DE-EE0007347	GFO-0007347-002	GO7347

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 federal funding to Columbia Power Technologies (CPT) to demonstrate the Columbia Power Wave Energy Converter (CPwr WEC) in a grid connected open ocean environment.

The CPT project is one of three proposed projects that have been selected under the Funding Opportunity Announcement DE-FOA-0001310. Each of the three proposed projects would consist of three budget periods (BP). DOE previously completed a NEPA review for BP 1 of the proposed project (GFO-0007347-001; CX A9; 3/18/2016). DOE is now proposing to fund BP 2 activities. This NEPA determination applies exclusively to BP 2 activities proposed to be undertaken by CPT.

BP 2 activities would include updating the risk analysis, advancement of design, and development of fabrication, transportation, deployment, operations, testing, recovery and decommissioning plans. The proposed BP 2 activities would be limited exclusively to intellectual, academic, or analytical activities to be completed in an office environment and would use no physical materials beyond basic office supplies and software.

Based on the review of the proposal, DOE has determined that activities associated with BP 2 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. Activities associated with BP 2 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:

All tasks associated with Budget Period 3

This restriction does not preclude you from:

All tasks associated with Budget Period 1 and Budget Period 2

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.

Insert the following language in the award:

You are required to:

The recipient is required to submit a new EQ 1 and undergo additional NEPA review prior to beginning work on BP 3 tasks.

Note to Specialist :

This NEPA determination does require a tailored NEPA provision.

Water Power Program

Review completed by Roak Parker on 7/14/2017

**SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.**

NEPA Compliance Officer Signature: \_\_\_\_\_

*Kundin Ke*  
NEPA Compliance Officer

Date: \_\_\_\_\_

7/19/2017

**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: \_\_\_\_\_