

PMC-ND

(1.08.09.13)

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

**RECIPIENT:** Verdant Power Inc.**STATE:** NY**PROJECT TITLE** : Integrated Development and Comprehensive IO&M Testing at RITE of a KHPS TriFrame Mount

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0001310	DE-EE0007349	GFO-0007349-002	GO7349

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 Verdant Power, Inc. to conduct an integrated design process to develop, build, deploy and operate a TriFrame (TF) mounting structure with three Verdant Power Gen5 KHPS tidal water turbines at the Federal Energy Regulatory Commission (FERC)-licensed Roosevelt Island Tidal Energy (RITE) Project in the East River of New York City, NY.

The Verdant Power project is one of three proposed projects that were selected by DOE under the Funding Opportunity Announcement DE-FOA-0001310. Each of the three proposed projects would consist of three budget periods (BP). Verdant Power received a previous NEPA determination (GFO-0007394-001, A9, March 14, 2016) for BP1 activities. At this time BP 1 has been completed and Verdant Power, Inc. has been selected to go forward to BP2. A Go/No GO decision will be made after BP2 to determine continuation onto BP3. Therefore, This NEPA determination applies only to BP 2 of the Verdant Power, Inc. award.

BP 2 activities would include desktop and paper design, and planning and preparation for installation of the TF+3T at the RITE Project site. These studies and plans would be developed at offices belonging to Verdant Power in New York NY, Ramboll Environ in Arlington, VA, and Mojo Maritime in Falmouth, U.K. Activities associated with this project are limited exclusively to intellectual, academic, or analytical activities and would use no physical materials beyond basic office supplies and software.

Based on the review of the proposal, DOE has determined that the activities associated with BP2 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. BP2 of this proposal is 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:

Budget Period 3 tasks, as defined in the SOPO (Ver. 06/08/17).

This restriction does not preclude you from:

Budget Period 1 and 2 tasks, s defined in the SOPO (Ver. 06/08/17).

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 :


Water Power Technologies Office

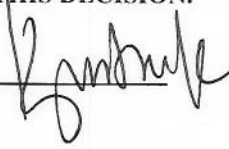
This NEPA determination requires a tailored NEPA provision.

Review completed by Rebecca McCord on 7/5/2017

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____

 Electronically Signed By: Kristin Kerwin
NEPA Compliance Officer



Date: 7/6/2017

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: _____