

PMC-ND

(1.08.09.13)

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

**RECIPIENT:** P4P Energy LLC**STATE:** CO

PROJECT TITLE : Highly Efficient Steel Cable Solar Photovoltaics Mounting System

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0001640	DE-EE0008136	GFO-0008136-001	

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 (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 gathering, analysis, and 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 P4P Energy LLC (P4P) to develop, optimize, and prepare P4P's technology for the solar carport market.

The proposed project activities involve computer modeling, engineering design, modifications of existing facilities, instrumentation, monitoring, deployment, and demonstration. The project would utilize P4P's optimized solar carport solution to design, engineer, construct, and install a solar car parking structure. P4P would perform an evaluation of design criteria (including environmental and regulatory inputs) to establish baseline parameters for one or more fundamental solar carport designs based on system orientation.

The scope of work for the proposed project consists of three main activities: Activity 1 (subtasks 1.1 and 1.2) would include the design of a solar carport system which would occur at the P4P headquarters in Carbondale, Colorado. These activities would use no physical materials beyond basic office supplies and software and there would not be any potential health, safety or environmental impacts associated.

Activity 2 (associated with Subtask 1.3) would consist of assembling and testing sub-systems and components at a pilot scale to learn and optimize the process. The location of Activity 2 has not yet been determined at the time of this NEPA review and as such, DOE cannot complete a meaningful NEPA review. The results of Subtask 1.3 would inform the remainder of the proposed project. Therefore, Subtask 1.3, and Tasks 2 -7 require additional NEPA review.

Based on the review of the proposal, DOE has determined that Subtasks 1.1 and 1.2 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 these subtasks that may affect the significance of their environmental effects; (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. Subtasks 1.1 and 1.2 of this proposal 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:

Subtask 1.3 Structural Engineering

Task 2 Final Engineering Design

Task 3 Market Qualification

Task 4 Identify and Qualify Supply Chain

Task 5 Project Preparation

Task 6 System Delivery

Task 7 Project Performance Monitoring and Stakeholder Development

This restriction does not preclude you from:

Subtask 1.1 Design Specification, and

Subtask 1.2 Conceptual Design

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:

Additional DOE NEPA review is required prior to initiating any activities beyond Subtask 1.2: Conceptual Design. The recipient is required to submit an Environmental Questionnaire (EQ-1) when a proposed location for Subtask 1.3 is determined. DOE will then conduct a meaningful NEPA review of the remaining project tasks.

Note to Specialist :

Solar Energy Technologies Office

This NEPA determination does require a tailored NEPA provision.

Review completed by Chris Rowe on 8/15/2017

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____

Electronically
Signed By: Kristin Kerwin

NEPA Compliance Officer

Date: 8/21/2017

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: _____