

PMC-ND  
(1.08.09.13)

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



**RECIPIENT:**Clean Power Research

**STATE:** CA

**PROJECT TITLE :** Integration of Behind-the-Meter PV Fleet Forecasts into Utility Grid System Operations

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-0000865	DE-EE0006329	GFO-0006329-001	GO6329

**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.)

**A11 Technical advice and assistance to organizations** Technical advice and planning assistance to international, national, state, and local organizations.

**Rationale for determination:**

Clean Power Research would use DOE and cost share funding to address the need of utility and grid balancing authorities to quantify the influence of the increasing penetration of customer-sited or behind-the-meter photovoltaic (PV) system power production on grid operations to forecast distributed PV generation power production within a region. This would enable grid balancing authorities to dispatch generation resources more effectively, significantly lowering the need for additional spinning generation reserves and mitigating the impact on existing reserve capacity which would reduce the costs of integrating higher penetrations of PV into the grid.

This project would build on existing work between Clean Power Research and the California Independent System Operator Corporation (CAISO) to catalog and group existing behind-the-meter systems for the state of California. Project activities consist of data analysis, technical design and assistance, modeling, and training. Project activities do not involve the actual purchase or installation of any solar arrays.

Based on review of the project information, DOE has determined that project activities would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined that these activities are consistent with actions contained in DOE categorical exclusions A9 "Information gathering, analysis, and dissemination," and A11 "Technical advice and assistance to organizations," and 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:

If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

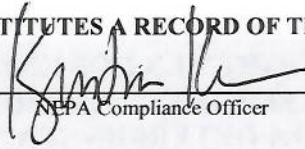
Note to Specialist :

This NEPA Determination does not require a tailored NEPA provision.

Casey Strickland 08/13/2013

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

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

  
NEPA Compliance Officer

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

8/15/2013

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

NEPA REVIEW

DOE has made a final NEPA determination for this project.

from the following language in the record:

It was found to require changes to the scope or objectives of your project you requested to conduct the Project Office identified in

Back 11 of the Notice of Final Determination. A final determination is required before proceeding. You may receive notification of approval from the DOE

Contracting Office prior to commencing with work beyond that previously approved.

How to Proceed

The NEPA Determination does not require a delayed NEPA provision

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