

PMC-ND

(1.08.09.13)

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

**RECIPIENT:** The Regents of the University of Colorado**STATE:** CO**PROJECT TITLE** Theoretical Design and Discovery of the Most Promising Previously Overlooked Hybrid Perovskite
: Compounds**Funding Opportunity Announcement Number**
DE-FOA-0001387**Procurement Instrument Number**
DE-EE0007366**NEPA Control Number** **CID Number**
GFO-0007366-001

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
Information analysis (including, but not limited to, computer modeling), document preparation (including, but not limited
gathering, to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information
analysis, and dissemination (including, but not limited to, document publication and distribution, and classroom training
dissemination 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 the Regents of the University of Colorado to design complex perovskite materials for solar energy conversion that have higher performances, better operational lifetimes, and use materials that are abundant and cheap.

The proposed project activities include purely theoretical and "Materials by design" computational methods which would be used to rapidly predict new perovskites with the desired properties. Proposed activities would be limited exclusively to intellectual, academic, or analytical activities and would include the research and development of a software tool to generate permit documents. Project participants would use no physical materials beyond basic office supplies and software.

Based on review of the project information and the above analysis, DOE has determined the proposed project would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined that this project is consistent with actions outlined in DOE categorical exclusions A9 "Information gathering, analysis, and dissemination" and is therefore 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 the Recipient intends to make changes to the scope or objective of this project, the Recipient is required to contact the Project Officer, identified in Block 15 of the Assistance Agreement before proceeding. The Recipient must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved. If the Recipient moves forward with activities that are not authorized for Federal funding by the DOE Contracting Officer in advance of a final NEPA decision, the Recipient is doing so at risk of not receiving Federal funding and such costs may not be recognized as allowable cost share.

Note to Specialist :

Solar Energy Technologies Office

This NEPA determination does not require a tailored NEPA provision.

Review completed by Logan Sholar on 3/30/2016

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:

Electronically
Signed By:

Kristin Kerwin

Date: 3/31/2016

NEPA Compliance Officer

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: