

PMC-ND
(1.08.09.13)

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

**RECIPIENT:**SUSTAINABLE MANUFACTURING INNOVATION ALLIANCE**STATE:** NY

PROJECT TITLE : Clean Energy manufacturing Innovation Institute for Reducing Embodied-energy And Decreasing Emissions (REMADE) in Materials Manufacturing

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0001594	DE-EE0007897	GFO-0007897-BP1	GO7897

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:

The U.S. Department of Energy (DOE) is proposing to provide federal funding to the Sustainable Manufacturing Innovation Alliance to establish the Clean Energy manufacturing Innovation Institute for Reducing Embodied-energy And Decreasing Emissions (REMADE) in Materials Manufacturing. The Institute is planned as a consortium established under a Cooperative Agreement with the DOE comprised of national labs, universities, trade organizations and foundations, and companies. The three primary goals of REMADE are to 1) develop technologies capable of reducing energy emissions through a reduction in primary material consumption and an increase in secondary feedstock use in energy-intensive industries, 2) develop technologies capable of achieving feedstock "better than cost and energy parity" for key secondary materials, and 3) promote widespread application of new enabling technologies across multiple industries. The REMADE institute has been organized around five nodes. Four of the nodes are aligned to the material lifecycle stages: a) Design for Reuse/Disassembly, b) Manufacturing Materials Optimization, c) Remanufacturing and End-of Life (EOL) Reuse, and d) Recycling and Recovery. A fifth node, Systems Analysis and Integration, would develop a consistent set of protocols, datasets, and tools for quantifying material flows and the lifecycle impacts of Institute activities. This project has five budget periods but only initial project activities within Budget Period 1 (BP1) have been defined. This NEPA Determination is specific to BP1 activities. Further NEPA review will be required for the remaining budget periods and additional activities once those activities have been defined and negotiated.

All of the proposed BP1 project activities would consist exclusively of intellectual, academic, analytical activities and technical advice/assistance. These activities would include the establishment of the REMADE headquarters facility and administrative offices for each node, hiring of key REMADE staff, formal engagement with REMADE members, finalization and execution of the Intellectual Property Management Plan and Member Agreement, establishment of institute operational procedures, formation of relevant institute committees, and creation of various plans, and work to develop an Education and Training Portal.

Based on the review of the proposal, DOE has determined that BP1 activities 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. The activities in BP1 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:

Budget Periods 2 through 5 activities

This restriction does not preclude you from:

Budget Period 1 activities

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 :

This NEPA Determination requires a tailored NEPA provision.
Advanced Manufacturing Office
Diana Heyder 04/24/17

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____



Casey Strickland

Date: 4/25/2017

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: _____