

PMC-ND  
(1.08.09.13)

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



**RECIPIENT:** Smart Manufacturing Leadership Coalition operating as CESMII

**STATE:** CA

**PROJECT TITLE :** Clean Energy Smart Manufacturing Innovation Institute (CESMII)

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA0001263	DE-EE0007613	GFO-0007613-BP2	GO7613

**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:

- |  |   |
|--|---|
| <b>A9 Information gathering, analysis, and dissemination</b>       | 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.)  |
| <b>A11 Technical advice and assistance to organizations</b>        | Technical advice and planning assistance to international, national, state, and local organizations.  |
| <b>B1.31 Installation or relocation of machinery and equipment</b> | Installation or relocation and operation of machinery and equipment (including, but not limited to, laboratory equipment, electronic hardware, manufacturing machinery, maintenance equipment, and health and safety equipment), provided that uses of the installed or relocated items are consistent with the general missions of the receiving structure. Covered actions include modifications to an existing building, within or contiguous to a previously disturbed or developed area, that are necessary for equipment installation and relocation. Such modifications would not appreciably increase the footprint or height of the existing building or have the potential to cause significant changes to the type and magnitude of environmental impacts. |
| <b>B2.1 Workplace enhancements</b>                                 | Modifications within or contiguous to an existing structure, in a previously disturbed or developed area, to enhance workplace habitability (including, but not limited to, installation or improvements to lighting, radiation shielding, or heating/ventilating/air conditioning and its instrumentation, and noise reduction).   |

Rationale for determination:

The U.S. Department of Energy (DOE) is proposing to provide funding to the Clean Energy Smart Manufacturing Innovation Institute (CESMII) for DOE's third Manufacturing Innovation Institute under the Clean Energy Manufacturing Initiative. The purpose of the Clean Energy Manufacturing Initiative is to strengthen U.S. clean energy manufacturing competitiveness and to increase U.S. manufacturing competitiveness across the board by boosting energy productivity and leveraging low-cost domestic energy resources as fuels and feedstocks. CESMII is funded under a Cooperative Agreement with the DOE and with participation from numerous sub-recipients, designated as Regional Manufacturing Centers (RMCs) or satellite offices, to develop an integrated system of advanced sensors, controls, platforms, and modeling across a diverse portfolio to drive technology and manufacturing practice and technical projects and services to achieve wide spread Smart Manufacturing (SM) and industry driven transformation.

This project has five budget periods but only project activities within budget period 1 and 2 (BP1 and BP2) have been defined. This NEPA Determination is specific to BP2 only. DOE completed a previous NEPA Determination (GFO-0007613-001) for BP1 on 12/07/2016. Further NEPA review will be required for the remaining budget periods once those activities have been defined and negotiated.

Each task/subtask in BP2 will be completed by either the prime recipient or one of the sub-recipients. For the prime recipient and the sub-recipients listed in the table for question 2b of the completed EQ1, (which includes the document "CESMII BP2 EQ1 Table Feb 2018.docx" attached in the Project Management Center), the scope of work for proposed activities in BP2 are generally intellectual, academic and analytical activities relating to five areas: CESMII management and operations, technology research and development/ evaluation/ analysis, workforce and education development, marketplace management and sustainability planning, and communications and outreach. The location of the facilities and description of proposed activities for the prime recipient and each sub-recipient is detailed within

the table for question 2b of the completed EQ1 for the project. Initially, entries detailed in the table for question 2b include only those projects approved by the contracting officer at the start of BP2. Additional entries in the table for question 2b may be incorporated as new sub-recipients are brought into the CESMII project and specific sites are identified as long as these additional entries conform to the rationale and CXs applied in this NEPA Determination. Any new subrecipients or sites that do not fit the above will be required to submit separate EQ1s for further review, including a new facility for CESMII offices, since the previously identified location is no longer under consideration.

None of the activities occurring at any of the listed facilities would require any new permits, licenses or authorizations for BP2 activities and all listed facilities would conduct activities consistent with current operations and would not be expanded or modified beyond small, nonstructural improvements for equipment installation.

Any work proposed to be conducted at a DOE laboratory may be subject to additional NEPA review by the cognizant DOE NEPA Compliance Officer for the specific DOE laboratory prior to initiating such work. Further, any work conducted at a DOE laboratory must meet the laboratory's health and safety requirements.

Based on the review of the proposal, DOE has determined BP2 fits within the class of action(s) and the integral elements of Appendix B to Subpart D of 10 CFR 1021 outlined in the DOE categorical exclusion(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 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 Periods 3 through 5 activities](#)

This restriction does not preclude you from:

[Budget Period 1 and 2 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.

Insert the following language in the award:

You are required to:

Any work proposed to be conducted at a DOE laboratory may be subject to additional NEPA review by the cognizant DOE NEPA Compliance Officer for the specific DOE laboratory prior to initiating such work. Further, any work conducted at a DOE laboratory must meet the laboratory's health and safety requirements.

The recipient is required to consult with the DOE Project Officer and NEPA Specialist regarding any activities that would result in:

\*changes to existing use of facilities, and/or

\*modifications to existing facilities, and/or

\*ground disturbing or new construction activities

prior to initiating any of these activities in order to determine whether additional NEPA review is required.

Note to Specialist :

This NEPA Determination requires a tailored NEPA provision.

Advanced Manufacturing Office

Diana Heyder 03/05/2018

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

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



Casey Strickland

Date: 3/6/2018

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: \_\_\_\_\_

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