

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)

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA0001263	DE-EE0007613	GFO-0007613-001	G07613

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.
B1.31 Installation or relocation of machinery and equipment	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.
B2.1 Workplace enhancements	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) to be 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 of the award 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 and industry driven transformation. This project has five budget periods but only project activities within budget period 1 (BP1) have been defined. This NEPA Determination is specific to BP1 only. Further NEPA review will be required for the remaining budget periods once those activities have been defined and negotiated.

Each task/subtask in BP1 would be completed by either the prime recipient or one of the sub-recipients. The focus of BP1 activities would be related to the startup of the institute, including staffing, developing and finalizing policies and procedures, developing roadmaps and strategic planning. For the sub-recipients listed in question 2b of the completed EQ1, the scope of work for proposed activities of the sub-recipients in BP1 are generally intellectual, academic and analytical activities. The location of the facilities and description of proposed activities for the prime recipient and each sub-recipient is detailed within question 2b of the completed EQ1 for the project. Initially, entries detailed in question 2b include only those projects approved by the contracting officer at the start of BP1. Additional entries in 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 sub-recipients that do not fit the above will be required to submit separate EQ1s for further review.

None of the activities occurring at any of the listed facilities would require any new permits, licenses or authorizations for BP1 activities and all listed facilities would conduct activities consistent with current operations and would not be expanded or modified in BP1, except the proposed offices for CESMII in Los Angeles, CA. The CESMII site would require minor electrical modifications to accommodate or install unique research equipment and instrumentation, and possible improvements for office spaces. The building is over 50 years old and eligibility for the National Register of Historic Places has not been determined. All modifications proposed as part of the DOE project would be internal and in keeping with the existing use of the building so would not have the potential to cause effects on historic properties assuming such historic properties were present. The building may also have the potential to contain asbestos or lead based paint, which may become apparent during building modifications. If either asbestos or lead-based paint are identified, all such handling would be managed in accordance with state, and local environmental regulations.

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 the proposal 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. This 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:

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.

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 12/06/2016

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____



Casey Strickland

NEPA Compliance Officer

Date: 12/7/2016

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: _____