

PMC-ND

(1.08.09.13)

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



RECIPIENT: Institute for Advanced Composites Manufacturing Innovation

STATE: TN

PROJECT TITLE : Institute for Advanced Composites Manufacturing Innovation

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
FOA-0000977	DE-EE0006926	GFO-0006926-001	

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, 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.
B3.6 Small-scale research and development, laboratory operations, and pilot projects	Siting, construction, modification, operation, and decommissioning of facilities for smallscale research and development projects; conventional laboratory operations (such as preparation of chemical standards and sample analysis); and small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or contiguous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible). Not included in this category are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial deployment.

Rationale for determination:

The U.S. Department of Energy (DOE) is proposing to provide federal funding to the Institute for Advanced Composites Manufacturing Innovation (IACMI). The Institute is planned as a consortium established under a Cooperative Agreement with the DOE with participation from sub-recipients of the award, private companies, universities and other educational institutions, as well as other state and federal government agencies and research organizations. IACMI's technology development and demonstration programs would focus on reducing technical risk and developing a robust supply chain to support growing applications of advanced composites in vehicles, wind energy and compressed gas storage. Participating states would engage their economic development and education programs to encourage new business formation and develop a capable workforce to serve the composites industry. 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 project partners. For the project partners listed in question 2b of the completed EQ1, the scope of work for proposed activities in BP1 are generally laboratory scale operations, data analysis and modeling, or educational, managerial, and reporting 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. None of the activities occurring at any of the listed facilities would require any new permits, licenses or authorizations for BP1 activities. No new waste streams or

effluents would be produced as a result of the proposed activities in BP1. All facilities would conduct activities consistent with current operations and would not be expanded or modified in BP1. Vanderbilt University would replicate some existing equipment used on a fixed basis inside their current laboratory to be transportable to other IACMI sites for performing non-destructive evaluation. This equipment would include only sensors, transducers, measurement devices (both optical and electrical) and associated software for performing the analysis. Equipment acquisition, maintenance, upgrades, and calibration are planned in BP1 but no facilities or operational modifications are anticipated as a result. For all work conducted at DOE laboratories, project activities may be subject to additional NEPA review by the cognizant NEPA Compliance Officer for the lab and will be required to meet the labs health and safety requirements.

Based on review of the project information, DOE has determined the proposed activities in BP1 would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined the proposed activities are consistent with actions contained in DOE categorical exclusions A9 "information gathering, analysis and dissemination," A11 "Technical advice and assistance to organizations," B1.31 "installation or relocation of machinery and equipment," and B3.6 "small-scale research and development, laboratory operations and pilot projects," and 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.

Insert the following language in the award:

You are required to:

For all work conducted at DOE laboratories, project activities may be subject to additional NEPA review by the cognizant NEPA Compliance Officer for the lab and will be required to meet the labs health and safety requirements.

Note to Specialist :

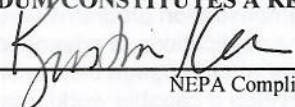
This NEPA Determination requires a tailored NEPA provision.

Advanced Manufacturing Office

Casey Strickland 06/04/15

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:


NEPA Compliance Officer

Date:

6/4/2015

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.