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**U.S. DEPARTMENT OF ENERGY  
EERE PROJECT MANAGEMENT CENTER  
NEPA DETERMINATION**



RECIPIENT: National Center for Manufacturing Sciences

STATE: MI

**PROJECT TITLE :** Manufacturing Industrial Development for the Alternative Energy Systems

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
	DE-EE0000271	GFO-10-048	0

**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, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.
- A11** Technical advice and planning assistance to international, national, state, and local organizations.

## Rational for determination:

The National Center for Manufacturing Sciences (NCMS) would demonstrate the feasibility of affordable manufacturing of alternative energy systems. The work would take place at the NCMS office in Ann Arbor, Michigan. The project consists of one task:

## Task 1. Manufacturing Technology Development and Implementation

Subtask 1.1. Develop and implement collaborative development projects amongst technology providers, commercializing companies, and end-users that address the manufacturing technology issues deemed of highest impact. (month 12-36)

1.1.1. NCMS estimates two projects would be initiated and completed.

- Each project would have a distinct set of deliverables in addition to a final project report.
- NCMS has in place a robust, disciplined and structured process for soliciting and managing collaborations between industry, trade groups, academia and government. This process was used in the previous NCMS/DOE program.
- Project ideas would be solicited through the NCMS newsletter, directed e-mailings, through publicity at selected conferences, and other mechanisms suggested through the workshops and interactions with the DOE program manager.
- Project ideas would then be developed into specific proposals by the collaborative project team, outlining the nature of the manufacturing problem, the specific approach to be taken, performance metrics and benefits analysis, a thorough safety and risk assessment, hard deliverables (beyond project reports), qualified cost share information, identification of the participants and their specific roles/tasks, and project costing and timelines.
- Each project would primarily follow a pilot project strategy to be used as the management of change process for ensuring technology transfer.
- NCMS would work with the DOE program manager to review the proposals and reach a go/no-go decision on each effort.

## Deliverables for Task 1:

1. Project proposals to address the key manufacturing issues for affordable systems.
2. Each collaboration development project would have a set of hard deliverables as well as a final report.

## Condition of Approval:

Allowable: Any administrative actions/audits associated with this activity

Prohibited: Any implementation of projects/construction activities without NEPA approval from DOE

There should be no generation of air emissions or hazardous wastes associated with this project. This project comprises of information gathering, technical advice, and planning assistance in developing manufacturing technologies for alternative energy system; therefore this project qualifies for Categorical Exclusions A9, and A11.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Insert the following language in the award:

You are required to:

Allowable: Any administrative actions/audits associated with this activity

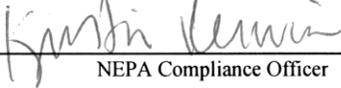
Prohibited: Any implementation of projects/construction activities without NEPA approval from DOE

Note to Specialist :

Allowable: Any administrative actions/audits associated with this activity

Prohibited: Any implementation of projects/construction activities without NEPA approval from DOE

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

NEPA Compliance Officer Signature:   
NEPA Compliance Officer

Date: 12/23/09

**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: \_\_\_\_\_