

PMC-EF2a

(2.04.02)

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



RECIPIENT: North Carolina Solar Center-NC State University

STATE: NC

PROJECT TITLE : Southern Mid-Atlantic Provider of Solar Instructor Training

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
0000078	DE-EE0002088	GFO-10-199	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.
- B5.1** Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The North Carolina Solar Center will use DOE ARRA funding to develop Solar Photovoltaic (PV) and Solar Hot Water (SHW) Train-the-Trainer program which will leverage their network of partners and experience in the solar industry and serve as a train-the-trainer center for the Mid-Atlantic region.

Tasks include:

- Task 1.0 Establish a communications plan for working with partnering states, advisory board, and industry.
- Task 2.0 Identify LEI instructors from each state.
- Task 3.0 Establish Training Dates and Logistics for Tracks One and Two Courses.
- Task 4.0 Conduct Track One Training in Solar Photovoltaic and Track Two in Solar Heating and Cooling.
- Task 5.0 Develop real-time financial modeling tools (solar PV, solar heating and cooling) for partnering states.
- Task 6.0 Develop the online version tests.
- Task 7.0 Set up a project website
- Task 8.0 Design and construct the Solar PV and Solar Heating and Cooling mobile training trailer.
- Task 9.0 Work with industry partners to set up a tracking system and referral system
- Task 10.0 Establish official project board
- Task 11.0 Project Management and Reporting

Task 8.0 will involve investigating multiple designs for a mobile training trailer and a mock training roof. Construction and fabrication will then occur at the North Carolina Solar Center on the campus of North Carolina State University. The mock training roof is OSHA approved with 4/12 pitch on the ground and safety rails with steps to the mock roof. An R&D questionnaire has been filled out which discusses safety protocols established by the University for their laboratory training facilities.

Task 8.0 involves activities at demonstrate potential energy conservation and promote energy-efficiency; therefore a CX B5.1 applies.

Tasks 1.0 – 7.0 and 9.0 – 11.0 involve educational development, information gathering, outreach activities, and information dissemination; therefore a CX A9 and A11 apply.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____


NEPA Compliance Officer

Date: 2/17/10

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: _____