PMC-EF2a

(20602)

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

RECIPIENT: State Energy Office, NC Department of Commerce **STATE:** NC

PROJECT TITLE : State Energy Program, Program Year 2012 Formula Grant

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000643	DE-EE0003881	GFO-0003881-001	

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:

A11 Technical advice and assistance to organizations	Technical advice and planning assistance to international, national, state, and local organizations.
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.)
B5.1 Actions to conserve energy or water	(a) Actions to conserve energy or water, demonstrate potential energy or water conservation, and promote energy efficiency that would not have the potential to cause significant changes in the indoor or outdoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, manufacturers, and designers), organizations (such as utilities), and governments (such as state, local, and tribal). Covered actions include, but are not limited to weatherization (such as insulation and replacing windows and doors); programmed lowering of thermostat settings; placement of timers on hot water heaters; installation or replacement of energy efficient lighting, low-flow plumbing fixtures (such as faucets, toilets, and showerheads), heating, ventilation, and air conditioning systems, and appliances; installation of drip-irrigation systems; improvements in generator efficiency and appliance efficiency ratings; efficiency improvements for vehicles and transportation (such as fleet changeout); power storage (such as flywheels and batteries, generally less than 10 megawatt equivalent); transportation management systems (such as traffic signal control systems, car navigation, speed cameras, and automatic plate number recognition); development of energy-efficient manufacturing, industrial, or building practices; and small-scale energy efficiency and conservation research and development and small-scale pilot projects. Covered actions include building renovations or new structures, provided that they occur in a previously disturbed or developed area. Covered actions could involve commercial, residential, agricultural, academic, institutional, or industrial sectors. Covered actions do not include rulemakings, standard-settings, or proposed DOE legislation, except for those actions listed in B5.1(b) of this appendix. (b) Covered actions include rulemakings that establish energy conservation standards for consumer products and industrial equipment, provided that the actions would not: (1) have the potential to cause a significant change in manufacturing infrastructure (such as construction of new manufacturing plants with considerable associated ground disturbance); (2) involve significant unresolved conflicts concerning alternative uses of available resources (such as rare or limited raw materials); (3) have the potential to result in a significant increase in the disposal of materials posing significant risks to human health and the environment (such as RCRA hazardous wastes); or (4) have the potential to cause a significant increase in energy consumption in a state or region.

Rational for determination:

The U.S. Department of Energy (DOE) provided $677,000 of federal funding to the state of North Carolina (NC) under the DOE's Annually Appropriated State Energy Program (SEP) for 2012. NC will match the federal funding with $141,680 in state funds. Additionally, the SEO will carry over $746,000 in Recovery Act SEP funds.

NC proposes to fund the following market titles:

Alternative Fuels Program:
Under this Market Title, federal funding would be used to establish educational programs, provide partial financial incentives and support for alternative fuel infrastructure through demonstrations and technical assistance, and provide financial incentives in the form of incremental costs for purchase of alternative fuel vehicles. If federal funding is used

for alternative fueling infrastructure, projects will be submitted for additional NEPA review.

Awareness and Marketing
Under this Market Title, federal funding would be used to fund energy efficiency and conservation television programs, energy related workshops and training sessions; exhibits and sponsorships of energy related events, conferences and to fund completion of an annual report of State Energy Office activities.

Boiler Tune-Up Program
Under this Market Title, federal funding would be used to educate plant and facility personnel on how to solve boiler efficiency problems and to promote state-of-the-art equipment to maintain optimum boiler efficiency.

Consumer Energy Education
Under this Market Title, federal funding would be used to train residential consumers on how to save energy in the home. Energy audits of homes with blower door tests would be conducted. Training and education materials and supplies would be purchased and distributed to home owners participating in the trainings. The energy conservation kits distributed to the home owners would include items such as compact fluorescent bulbs and "How to save Energy in the Home" manuals.

ECU Manufactured Housing Program
Under this Market Title, federal funding would be used to offer direct buy-down to offset the cost of upgrading manufactured homes to a heat pump or other more energy efficient heating system instead of the traditional inefficient electric furnace. Those homes already installed with a heat pump would be upgraded to Energy Star. Installation of new heat pumps will be submitted for additional NEPA review.

Energy Improvement Loan Program
Under this Market Title, federal funding would continue to be used for a revolving loan fund, which would be used for energy efficiency, energy conservation and renewable energy programs. Loans in this program would be made to local governments, community colleges and K-12 schools, non-profits, commercial businesses and industry. Loans would be used for energy related capital improvement such as: high efficiency lighting systems; HVAC systems; motors, variable speed drives, etc.; efficiency fans, pumps and air compressors, energy management systems; boiler and chiller efficiency systems; energy recovery systems, including on-site generation of electricity; alternate/renewable energy systems; building envelope upgrades; industrial process or fabrication systems; load management systems; and fuel conversion projects. Any projects funded under this Market Title that do not remain within the bounds of NC's Template for Expedited NEPA Review will be submitted for additional NEPA review.

Energy Management Program
Under this Market Title, federal funding would be used to host a course to train state, local government, university, K-12 schools, community college officials and private sector staff in the development and implementation of effective Energy Management Programs.

Office Administrative Program
Under this Market Title, federal funding would be used to provide funding for the administrative support of office staff, equipment, supplies and all functions to support the Energy Office.

Steam Trap Survey Program
Under this Market Title, federal funding would be used to provide steam trap survey services to a variety of steam users in NC, including industrial facilities, commercial businesses, local government and institutional facilities. The services would include identification of all steam traps in the facility, providing steam trap logs, testing all steam traps and tagging those traps that are not operating properly.

Waste Reduction Partners
Under this Market Title, federal funding would be used to conduct energy audits. Federal funding would be used to host workshops for internal organization staff members on energy efficiency and conservation.

Based on a review of the activities that would be funded under the above Market Titles, DOE has determined the projects that would be funded under these Market Titles will not significantly impact the human environment and they are categorically excluded from further NEPA review under CX A9 "information gathering" and CX A11 "technical advice" and CX B5.1 "actions to conserve energy or water." Any activities funded under the 2012 annual appropriations that involve ground-breaking activities, retrofits, or equipment purchase and/or installation are conditioned pending additional 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:
Alternative Fuels Program:
If federal funding is used for alternative fueling infrastructure, projects will be submitted for additional NEPA review.

ECU Manufactured Housing Program
If federal funding is used for installation of new heat pumps, projects will be submitted for additional NEPA review.

Energy Improvement Loan Program
Any projects funded under this Market Title that do not remain within the bounds of NC's Template for Expedited NEPA Review will be submitted for additional NEPA review.

This restriction does not preclude you from:

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 activities funded under the 2012 annual appropriations that involve ground-breaking activities, retrofits, or equipment purchase and/or installation are conditioned pending additional NEPA review.

Note to Specialist :

DOE funding - $677,000
EF2a prepared by Melissa Ardis

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Electronically Signed By: Lori Gray / Lori Gray Date: 8/27/2012
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: _____ Date: _____
Field Office Manager