PMC-EF2a

(2.04.02)

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

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

PROJECT TITLE : Energy Conservation Programs in Transportation - Sandhills Community College

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-EE0000771	GFO-0000771-014	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:

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:

Sandhills Community College (SCC) in North Carolina proposes to use $227,873 of EECBG funding to install LED street lighting on the SCC campus assist with the purchase a fleet of advanced technology vehicles. The LED lighting system will replace SCC's out-dated lighting system that uses 460-watt metal halide units and the purchase of the new fleet of vehicles will reduce SCC's fossil fuel consumption and save on energy costs and emissions. SEP funds will only be used to help cover the delta in cost that is assocaited with the upgrade from regular emission to hybrid/electric standards for all newly purchased fleet vehicles.

The old light bulbs would be disposed of in accordance with the recipient's waste stream plan and not result in any adverse environmental impacts.

Funds requested for the four hybrid vehicles will go towards the purchase of three Toyota Prius and one Toyota Camry Hybrid. The Toyota Prius is a four-door sedan, compact four passenger, 4-cylinder engine/electric motor hybrid from Fred Anderson Toyota Raleigh, LLC. The Prius has an EPA Highway of 48 Miles per Gallon and carries a discounted unit price of $21,898 ($65,694 for three vehicles). The engine is a fuel-injected electric motor with a generator storage battery that has a standard 12-volt accessory outlet. The Toyota Camry Hybrid is a four-door sedan, mid-size five passenger, 4-cylinder engine/electric motor hybrid from Fred Anderson Toyota Raleigh, LLC. The Camry has an EPA Highway of 34 Miles per Gallon and carries a discounted unit price of $23,959 ($23,959 for one vehicle). The engine is a fuel-injected electric motor with a generator storage battery that has a standard 12-volt accessory outlet.

The one plug-in electric service response vehicle will be purchased from Carolina Industrial Equipment, Inc. in Charlotte, NC. The top model is the E-ride EXV2 that carries a unit price of $25,893 ($25,893 for one vehicle). This model is the perfect alternative fuel choice for a wide array of maintenance applications. The vehicle is equipped with optional tool boxes, ladder rack, and a DC powered welder. A powerful 72 volt drive system gives this model a range of 55 miles at speeds up to 25 miles per hour and comes with an automatic battery watering system to simplify battery maintenance.

This proposed project consists solely of light retrofitting and purchasing of hybrid/electric vehicles and therefore would not have any negative impacts on the environment.

Based on the above information this project is categorically excluded from further NEPA review under CX number B 5.1, Actions to Conserve Energy.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Completed by Bill Knapp

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 12/14/10

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