PMC-EF2a

(2.04.02)

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

RECIPIENT: City of Virginia Beach **STATE:** VA

PROJECT TITLE : Virginia Beach Wind Turbine Demonstration Project

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA0000013	DE-EE0000876.002		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:

A11 Technical advice and planning assistance to international, national, state, and local organizations.

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.

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.

B3.6 Siting, construction (or modification), operation, and decommissioning of facilities for indoor bench-scale research projects and conventional laboratory operations (for example, preparation of chemical standards and sample analysis); small-scale research and development projects; and small-scale pilot projects (generally less than two years) conducted to verify a concept before demonstration actions. Construction (or modification) will be within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible).

Rational for determination:

The Project Activity Sheet titled "Virginia Beach Wind Turbine Demonstration Project" submitted by the City of Virginia Beach, Virginia, involves the purchase and installation of four (4) wind turbines and/or wind spires on the roof of the Advance Technology Center building, and the funding of development and implementation of educational curricula related to alternative energy and wind energy technology for kindergarden through high school and community college courses. The four (4) wind electrical generation demonstration units, estimated to operate at 1kWH, are approximately 55 feet in height, and will generate less than 18 kW combined. A demonstration project of this size will likely require permits and/or approvals from federal, state and/or local authorities. Any applicable permit or approval must be in place prior to commencement of construction.

The Virginia Beach Wind Turbine Demonstration Project will be a teaching prototype for students in a renewable energy academic environment to coincide with Virginia Beach City Public Schools Technical and Career Education (TCE). A web-enabled monitoring station will be included to provide training to key instructional and leadership personnel who will develop curriculum to support k-12 alternative energy and wind energy instruction. Educational instruction will include: Introduction to alternative energy, sustainability, wind energy, AC/DC fundamentals, Industrial electronics, Instrumentation and Control, Programmable Controller, and Electromechanical devices. Ultimately, this project may create a prototype for initial workforce development in the wind energy field.

The Virginia Beach Wind Turbine Demonstration Project is categorically excluded from further NEPA review under A9, A11, B3.6 and B5.1.

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:
If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Note to Specialist :

The Recipient is required to obtain all appropriate federal (e.g., USFWS), state (e.g., SHPO) and local (e.g., building permit) permits and/or approvals prior to the commencement of construction.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10
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