PMC-EF2a
(2.04.02)

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

RECIPIENT: Virginia Electric and Power Company **STATE:** VA

PROJECT TITLE : Integrated Optimization and Cost Analysis of an Innovative Offshore Wind Plant Design for Shallow and Transitional Water Depths

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000415	DE-EE0005485	GFO-0005485-001	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, 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.)

Rational for determination:

DOE proposes to provide funding to Virginia Electric and Power Company to conduct cost of energy analyses for offshore wind project cost reduction innovations. The project goal is to model a 25 percent decrease in the levelized cost of energy (LCOE). Innovation areas that would be modeled to determine LCOE reductions include turbine, foundation and installation, and electrical systems. Information on site specific conditions from at least two dozen offshore locations would be obtained from existing data sources for use in computer models.

This research is comprised of desktop and computer modeling activities only. As such, CX A9 applies.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

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 :

John DuWaldt 11-29-2011

DOE Funding: $350,000
Cost Share: $194,979
Total Funding:$544,979

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 12/7/2011
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION