PMC-EF2a

(2.06.02)

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

RECIPIENT: ALSTOM Power Inc. **STATE:** VA

PROJECT TITLE : Cost Of Energy reduction for offshore Tension Leg Platform (TLP) wind turbine systems through advanced control strategies for energy yield improvement, load mitigation and stabilization

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000415	DE-EE0005494	GFO-0005494-001	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 is proposing to provide federal funding to Alstom Power Incorporated (Alstom) to develop software for designing small to medium size wind turbines using computer modeling, simulation, and field-validation. This NEPA determination only applies to Budget Period 1 activities (Tasks 1 through 11). Budget Period 2 will require additional NEPA review.

This study would include information gathering, modeling, and reporting. Budget Period 1 (Tasks 1 through 11) the applicant would collect data, and computer model two existing wind turbines (3MW at National Wind Technology Center and 1.67 MW in Lubbock, TX)). Budget Period 2, the applicant would deploy and field-validate the design of the new software.

Budget Period 1: $ 699,995 (DOE); $ 175,000 (cost share)

Budget Period 1 of this project comprises information gathering, modeling, and analysis; CX A9 applies. Budget Period 2 is subject to 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:

Buget Period 2 (Tasks 12 through 16)

This restriction does not preclude you from:

Budget Period 1 (Tasks 1 through 11)

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.

Note to Specialist :

EF2A by Christopher Carusona II

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 1/19/2012
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