PMC-EF2a
(2.06.02)

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

RECIPIENT: Advanced Magnet Lab **STATE:** FL

PROJECT TITLE : A Lightweight, Direct Drive, Fully Superconducting Generator for Large Wind Turbines

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000439	DE-EE0005140	GFO-0005140-001	EE5140

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 (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.

Rational for determination:

Advanced Magnet Lab is proposing to use DOE funding to assist in the development of a FSG (fully superconducting generator), a wind turbine technology that would be used to create large turbine generators (10+ MW) with increased capacity of torque at reduced costs.

Funding would be applied to conceptual designs, modeling, cost analysis and risk analyses in budget period 1 (tasks 1-3) and advanced modeling, de-risking analyses, and development of a commercialization plan in budget period 2 (tasks 4-8).

Activities performed in this project involve information gathering, computer modeling and planning activities that are consistent with CX A9 (Information gathering, data analysis, computer modeling, and feasibility studies) and are categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Total Project funding = $3,064,000
DOE Funding = $1,501,200/ Recipient Cost Share = $1,562,800

Laura Margason

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 8/11/2011
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION