

PMC-EF2a

(20402)

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



RECIPIENT: East Penn Manufacturing Company, Inc.

STATE: PA

PROJECT TITLE : Advanced Power Cube for Wind Power and Grid Regulation Services

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-EE0003260	GFO-10-450	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:

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:

East Penn Manufacturing Company proposes to use federal funds to research and develop test materials for advanced battery anodes that allow for energy generation fluctuations to equal peak demand periods. Upon successful trials, batteries will be built and tested for their charge and discharge behavior.

This project will comprise of installation of necessary equipment, experimental trials to determine the expected mixing ratios with standard UB (UltraBattery) capacitor material, drying of the capacitive material in an oven, and testing of the finished product.

The applicant has submitted an R & D questionnaire which thoroughly addresses chemical and safety protocols.

This project comprises of conventional research and development of an UltraBattery; therefore a Catex B3.6 will apply.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 6-23-2010

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:


NEPA Compliance Officer

Date:

7/2/10

FIELD OFFICE MANAGER DETERMINATION