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PMC-EF2a  
(2010)

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



RECIPIENT: QM Power, Inc.

STATE: MO

PROJECT TITLE : Advanced High Power Density Permanent Magnet Wind Generators

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-PS36-09GO99009	DE-EE0001373	GFO-10-007	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 (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.
- 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:

QM Power's objective for this project is improve the reliability and reduce the installation, operations and maintenance costs of the generator components in the wind power industry.

They will be conducting research and development laboratory activities at five facility locations:

- \*QM Power's research facility in Greenwood, MO
- \* University of Missouri – Kansas City campus facilities in Kansas City, MO
- \* Janicki facilities(2) in Sedro Woolle, WA and Hamilton, WA
- \*Comprehensive Power Inc in Marlborough, MA.

An R&D questionnaire had been filled out for each location. It thoroughly addresses waste stream, safety and hazardous material storage and each company has established health and safety protocols in place.

This project comprises of paper and laboratory research and development activities in facilities with establish safety and health protocols; therefore a CX A9 and 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 :

None Given.

**SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.**

NEPA Compliance Officer Signature:

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NEPA Compliance Officer

Date:

12/17/09