

PMC-ND

(1.08.09.13)

**U.S. DEPARTMENT OF ENERGY
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY
NEPA DETERMINATION**



RECIPIENT: QM Power, Inc.

STATE: MO

PROJECT TITLE : Higher Efficiency HVAC Motors

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0001027	DE-EE0006721	GFO-0006721-001	GO6721

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.)
- B3.6 Small-scale research and development, laboratory operations, and pilot projects** Siting, construction, modification, operation, and decommissioning of facilities for smallscale research and development projects; conventional laboratory operations (such as preparation of chemical standards and sample analysis); and small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or contiguous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible). Not included in this category are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial deployment.

Rationale for determination:

QM Power, Inc. is proposing to use DOE funding to develop, test and commercialize high efficiency, low cost HVAC motors.

The proposed project would involve research and development (R&D) and fabrication of prototype motors. Activities would include finite element analysis (FEA) and computer-aided design (CAD) analysis; component machining and prototyping; motor driver design and implementation; and component integration. QM Power would partner with UTRC to complete project objectives. Both QM Power and UTRC have infrastructure in place needed to carry out the planned project activities. There would be no modifications, construction, ground-disturbing activities, or changes in use or mission at these facilities. No new or modified permits, licenses or authorizations would be required to carry out this project. Prototype and machining activities would involve the movement of heavy objects, the operation of commercial/industrial equipment, and the disposal of scrap materials including metals. Project workers have received appropriate safety and disposal training, and are provided with proper safety gear and equipment. All project participants have existing internal solid waste and recycling programs and sort all wastes for pickup or drop off with their respective municipal waste management provider.

DOE has determined that this project is consistent with actions covered under DOE CX A9 (information gathering) and B3.6 (small-scale research & development projects; conventional laboratory operations) and is therefore 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:

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 II 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 :

Review completed by Logan Sholar on 8/25/14.

This NEPA determination does not require a tailored NEPA provision.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: 
NEPA Compliance Officer

Date: 8/25/2014

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: _____
Field Office Manager

Date: _____