

PMC-EF2a

(2/01/02)

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



RECIPIENT: State of Wisconsin SEP ARRA EE0000163-Gear Box Express

STATE: WI

PROJECT TITLE : Wind Turbine Gearbox Remanufacturing

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE FOA 0000052	EE0000163	GFO-10-561	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:

- B5.1** Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.
- B2.2** Installation of, or improvements to, building and equipment instrumentation (including, but not limited to, remote control panels, remote monitoring capability, alarm and surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, announcement and emergency warning systems, criticality and radiation monitors and alarms, and safeguards and security equipment).

Rational for determination:

The State of Wisconsin will provide \$3,400,000 in Recovery Act funds as a low interest loan to GearBox Express, LLC (Gearbox) to establish a gearbox test facility at their service center. Gearbox is located at 970 Crossroads Way, Johnson Creek, WI 53094.

Gearbox intends to establish a U.S.-based gearbox remanufacturing service center in Johnson Creek, WI. The business model is unique in that it will rely on having an inventory of gearboxes that can be tested by customers who have brought their gearbox in for servicing or remanufacturing. The plan is to have a test facility within the service center to allow full performance testing of the serviced gearbox.

The test facility, equipped with a 3MW motor/turbine, is part of a new service center that the company is constructing. Recovery Act funds will not be used for construction of the building, only the test facility within the building. Recovery Act funds will purchase the following:

- Test Stand (facility) - allows the commercial gearboxes to be tested under normal operating conditions,
- Exchange Inventory - a collection of the more popular gearbox models that can be used in the test facility,
- Equipment - machine tools and calibration equipment required to service the gearboxes,
- Working Capital - parts inventory and receivables.

Recovery Act funds will primarily go to the Test Stand (facility) and the Exchange (gearbox) Inventory. The Test Stand will be located within the new service center. DOE has reviewed the company's plans and has determined that the use of Recovery Act funds for the items mentioned above is not a connected action with the Company's plans to build the service center. The availability of Recovery Act funds has not led to an expansion of the building or of the company's plans for the service center. Rather, the funds complement construction plans for the test stand. Similarly, the test stand and related purchases complement the planned operations of the service center.

In view of the information provided by the State and recipient, DOE has determined that the work outlined is consistent with activities identified in Categorical Exclusion B5.1 and B2.2.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is \$3,400,000. Absent a significant change in the scope of this effort, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____
NEPA Compliance Officer

Date: 8/4/10

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: _____