

PMC-EF2a

(2.04.02)

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



RECIPIENT: MI Department of Energy, Labor &amp; Economic Growth

STATE: MI

PROJECT TITLE : CEAM Loan Program - ArborWind LLC

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-0000052	DE-EE0000166	GFO-0000166-040	GO0

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.

**Rational for determination:**

The Michigan Department of Energy, Labor & Economic Growth intends to award a portion of its State Energy Program – Clean Energy Advanced Manufacturing Revolving Loan Fund allocation to ArborWind LLC, 540 Avis Drive, Suite E, Ann Arbor, MI 48108. This award will enable ArborWind to incorporate innovative design changes into their PT100 vertical axis wind turbines. The production process consists of three manufacturing cells which will be set up to support the assembly and quality assurance of the commercial PT100 wind turbine. These cells are described as a mechanical assembly cell, an electrical cell and a final QA/QC cell. A list of equipment that SEP ARRA funding will be used to purchase is documented in the attachments.

There would be no ground disturbance or new building construction associated with the proposed project. There are no emissions associated with the production process. All proposed work will be covered by existing permits.

After a thorough review of the information submitted for the proposed project, it has been concluded that the proposed project will not have a significant impact to human health and /or the environment. Therefore the proposed project is hereby Categoricaly Excluded under B5.1 "actions to conserve energy."

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

EF2a completed by Logan Sholar

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

NEPA Compliance Officer Signature: \_\_\_\_\_

NEPA Compliance Officer

Date: 5/26/2011