



PMC-EF2a

(2.06.02)

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



RECIPIENT: Illinois Department of Commerce &amp; Economic Opportunity

STATE: IL

PROJECT TITLE : Tuscola North Plant 100 kW Wind Turbine Installation

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-0000052	EE0000119	GFO-10-633	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.

## Rational for determination:

Illinois Department of Commerce & Economic Opportunity would use \$263,000 of ARRA DOE funding to purchase and install a 100 kilowatt wind turbine on 120-foot self-supporting tower for its waste water treatment plant in Tuscola, Illinois.

The electricity generated by the wind turbine will be used for on-site power needs. The project site is on the grounds of the waste water treatment facility and is previously disturbed land. The project site is flat and surrounded by farmland. The area has abundant wind resources and this project is estimated to generate 172,000 kWh annually.

The U.S. Fish and Wildlife Service has reviewed the project and determined that the wind turbine is not likely to adversely affect threatened or endangered species.

The Illinois Historic Preservation Agency has determined that the project would have no affect on historic properties. No FAA clearance is required due to the distance from a public airport and the height of the structure (below 200 feet).

The wind turbine will require a special use permit from the City of Tuscola.

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.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

EF-2a prepared by Neil Sullivan.

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

NEPA Compliance Officer Signature:

  
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 NEPA Compliance Officer

Date:

9/22/10