

PMC-EF2a

(2010)

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



RECIPIENT: Illinois Department of Commerce & Economic Opportunity

STATE: IL

PROJECT TITLE : SEP ARRA - Lake Land Community College Wind Turbine

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	EE0000119	GFO-10-463-001	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 \$500,000 of ARRA DOE funding to purchase and install two 100 kilowatt wind turbines at the Lake Land Community College campus located at 5001 Lake Land Boulevard, Mattoon, Illinois.

The wind turbines would be installed on 120-foot monopole towers and would be 145 feet tall at the blade tip. The electricity generated by the wind turbines will be used for on-site power needs. The project site is on the grounds of the college and is currently a maintained grass area. The area has abundant wind resources and this project is estimated to generate 380,000 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 height of the structures (below 200 feet). However, Lake Land Community College obtained an FAA determination of no hazard to air navigation in August 2008.

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

Note to Specialist :

EF2a prepared by Neil Sullivan on 9/22/10.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____

NEPA Compliance Officer

Date: _____

10/20/10

FIELD OFFICE MANAGER DETERMINATION