

PMC-EF2a

(2.0+02)

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



RECIPIENT: State of Oklahoma

STATE: OK

PROJECT TITLE : OKLAHOMA SEP ARRA - Phase 2 - Wind Turbine for Guthrie Waste Water Treatment Plant

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052		GFO-10-564	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:

The State of Oklahoma will provide \$705,800 in Recovery Act funds to the City of Guthrie to install a 225kW turbine at its waste water treatment plant. The plant is located at 806 Beemer Road, Guthrie, OK.

The City has conducted wildlife, aeronautics, microwave interference, noise, and flicker studies. The City has also held a public meeting on the project and published project information in the local newspaper. The Global Wind Power Limited GWP225 Model turbine is sized at 225kW with a projected blade height of 66 meters. The turbine will be located at the wastewater treatment plant and occupy a fenced-in area of approximately 154 meters. The nearest building (a utility building) is 0.5 miles in distance. The siting is not near a wetland or flood zone.

The FAA has issued a letter of approval for the siting and structure, the flicker study shows an impact to one household that is not likely to exceed 30-minutes per year, the noise study determined noise levels far below the maximum allowable for the identified Noise Sensitive Area, and the microwave study cleared any impact of interference for frequencies between 800 and 40,000. The wildlife study identified the Whooping Crane as the most sensitive bird in the immediate area. Consultation with Fish and Wildlife (F&W) advised that the greatest concern was of power lines. The City has taken appropriate actions in the design of the turbine based on F&W feedback.

Based on the information provided by the State and recipient, DOE has determined that the project is not likely to have a significant impact on human health, wildlife, or the environment. The work outline 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 :

Accroding to the project officer, funding for this project \$705,800. 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: 8/9/10

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: _____