

PMC-EF2a

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



(2010)

RECIPIENT: Oklahoma Municipal Power Authority

STATE: OK

PROJECT TITLE : OKLAHOMA SEP ARRA - OMPA OCP Large System Rebate Request A

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	13946 SEP 09	GFO-10-499	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.
- A9** Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.
- A11** Technical advice and planning assistance to international, national, state, and local organizations.

Rational for determination:

The State of Oklahoma will provide \$26,000 in Recovery Act funds to the Oklahoma Municipal Power Authority to issue rebates for installed Ground Source Heat Pumps (GSHP). The first rebate is for GSHPs installed in homes located at 6401 Acorn (2 systems totaling 8-tons), 1901 Deason (3 systems totaling 11-tons), and 2409 Crestwood (2 systems totaling 7 tons). All three homes are in Edmond, OK.

The Oklahoma Municipal Power Authority (OMPA) has contracted with the Oklahoma Department of Commerce State Energy Office (SEO) to implement the Oklahoma Comfort Program (OCP). OCPs objective is to rebate the installation of 2340 tons of GHP systems in Oklahoma commercial, residential, and industrial buildings by April 1, 2012. This project provides rebates for GSHP systems installed at the three identified residential sites. Although multiple systems are being installed at each site, none of the systems will exceed 5 tons. Drilling and loop installation will be conducted by an IGSHPA certified installer. The contractor will follow guidelines of the IGSHPA Association and the NGWA recommendations for Closed Loop Systems

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 :

According to the project officer, funding for this project is \$26,000. 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: _____

8/9/10

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: _____

PMC-EF2a

(20102)

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



RECIPIENT: State of Oklahoma

STATE: OK

PROJECT TITLE : OKLAHOMA SEP ARRA - Convert CargoMAX vehicles to run on compressed natural gas

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052		GFO-10-565	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 \$100,000 in Recovery Act funds to Carter Chevrolet Agency, LLC (CCA) to perform compressed natural gas (CNG) conversions on four CargoMAX delivery vans. CCA is located at 215 W. Oklahoma Avenue, Okarche, OK.

Recovery Act funds will be used for conversion kits, miscellaneous parts, CNG tanks, labor, and testing. The work will be conducted at CCA's existing facilities. The work outlined falls within the signed SEP Template.

In view of the information provided by the State and recipient, DOE has determined that the work outlined falls within the State-signed SEP Template and classified as Categorical Exclusion B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Insert the following language in the award:

You are required to:
provide the DOE Project Officer with evidence that the facility is EPA certified for vehicle conversions.

Note to Specialist :

According to the project officer, funding for this project is \$100,000. 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: _____

8/9/10

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: _____ Date: _____
 Field Office Manager

25.1 Action to conserve energy, promote energy conservation, and promote energy efficiency that do not involve the installation of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as business owners, consultants, engineers, organizations (such as utilities) and state and local governments. Covered actions include, but are not limited to: programmatic lighting of commercial buildings; placement of limits on hot water heaters; installation of solar hot water systems; installation of efficient lighting; and other energy efficiency and conservation efforts. Development of energy-efficient manufacturing or industrial processes, and small-scale conservation and renewable energy research and development and pilot projects. The actions shall involve building retrofits or new structures in commercial, residential, agricultural, or industrial sector. These actions do not include retrofits, standards setting, or proposed DOE legislation.

Recovery Aid funds will be used for conversion life, miscellaneous parts, CHG parts, labor, and testing. The work will be conducted at CCA's existing facilities. The work outlined falls within the signed SEP, Template. The State signed SEP, Template and classified as Categorical Exclusion 25.1. In view of the information provided by the State and recipient, DOE has determined that the work outlined falls within the scope of this NEPA provision.

According to the project effort, funding for the project is \$100,000. Absent a significant change in the scope of this effort, a change in funding will not affect my determination. NEPA requires that NEPA determination for the work. I concur with the following language in the event. I concur with the following language in the event. For an updated or revised the DOE Project Order with evidence that the facility is EPA certified for vehicle conversions. Note for Specialist.

NEPA requires that NEPA determination for the work. I concur with the following language in the event. I concur with the following language in the event. For an updated or revised the DOE Project Order with evidence that the facility is EPA certified for vehicle conversions. Note for Specialist.

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: _____

PMC-EF2a

(20102)

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



RECIPIENT: Shawnee Public Schools

STATE: OK

PROJECT TITLE : OKLAHOMA SEP ARRA - HVAC & Window Replacement in Administration Building

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052		GFO-10-566	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 \$156,372 to the Shawnee Public School District to install more energy efficient windows and to upgrade four 7-ton package HVAC units in the school district's administration building. The District office is located at 326 North Union, Shawnee, OK.

The work will be performed in the District's administration building and may extend to a number of the 8 school sites located in the district. The Administration building was built in 1921. Per a programmatic agreement with the OK State Historical Preservation Office (SHPO), any work to be performed on buildings on the Historical Register or eligible for entry on the Historical Register will meet the approval of the SHPO.

The project would require removal of existing HVAC equipment and windows and installing new energy efficient units and windows. A gas fired boiler and four (4) air conditioning units would be replaced along with 194 double pane windows. Work is to be completed by a general contractor through competitive bidding requirements.

The work involves the undertaking of energy efficient measures to be performed on a building of potential historical significance. A programmatic agreement is in place with the OK SHPO concerning any work to be performed on buildings that are on or eligible for the Historical Register. Based on the information provided by the State and recipient, and in view of the programmatic agreement, DOE has determined that the work identified 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:

Insert the following language in the award:

You are required to provide the DOE Project Officer and NEPA Compliance Officer with written correspondence of approval from the State Historical Preservation Office for any work to be performed on buildings that are either on or eligible for the National Register of Historical Places.

Note to Specialist :

According to the project officer, funding for this project is \$156,372. Absent a significant change in scope, 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: _____