

PMC-EF2a

(2.04.02)

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



RECIPIENT: City of Oklahoma City

STATE: OK

PROJECT TITLE : DE EE0000920 Activity #9 Central Maintenance Facility CNG Fueling Station Retrofit

| Funding Opportunity Announcement Number | Procurement Instrument Number | NEPA Control Number | CID Number |
|---|-------------------------------|---------------------|------------|
| DE-FOA-0000013                          | DE-EE0000920                  |                     | 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 City of Oklahoma City would utilize \$1,200,000 in EECBG funds to retrofit an existing slow-fill compressed natural gas (CNG) fueling station to an 8 hose fast-fill CNG fueling station at the City of Oklahoma City Central Maintenance Facility (CMF), a multi-departmental complex that is gated and not accessible to the public. This project will allow expansion of the existing fleet for light duty and heavy duty applications. CNG is currently provided by the Oklahoma Natural Gas Company (ONG) to the CMF from a single line that begins at SW 15th Street and S. Portland Avenue. The source for the retrofitted fast fill facility will be a new single ONG line that will connect with the existing line and extend within the CMF footprint; all improvements would be made entirely within the existing CMF footprint.

The retrofit would include converting one of the two-hose slow fill dispenser to a two-hose fast fill dispenser, with scalability for an additional two-hose fast fill dispenser; installing a compressor just north of the dispensers on the existing concrete parking lot; removing and relocating one of the existing slow fill compressors; and installing three above-ground storage tanks with a total storage capacity of 30,000 scf. Excavation work will be required to open a concrete slab in the existing parking lot for the fast fill dispenser and compressor lines; a four inch bore of approximately 309 feet is needed under the parking lot.

A safety and accident prevention plan is a construction bid requirement. The City would be required to obtain a City Mechanical Permit for installation of the CNG compressor and dispensers; a building permit may be required if a bid specifies constructing a canopy over the fuel site. Expansion of the current City CNG fleet and fueling heavy equipment is expected to increase CNG consumption. Estimated gasoline gallon equivalents are projected from 79,128 in 2010 to 193,500 in 2015. ONG has provided assurances it will meet the City's natural gas needs for this project.

The City did not provide waste stream documentation. The City and contractor would be responsible for the proper disposal of all waste generated in accordance with local, state, and federal regulations. This activity is categorically excluded from further NEPA review 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 :

None Given.

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

NEPA Compliance Officer Signature: [Signature]  
NEPA Compliance Officer

Date: 4/20/10

**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: \_\_\_\_\_

National for determination  
 The City of Oklahoma City would utilize \$1,500,000 in BECCG funds to retrofit an existing low-fill outcropped natural gas (CNG) fueling station to an 8-foot tall CNG fueling station at the City of Oklahoma City Central Maintenance Facility (CMF), a multi-departmental complex that is owned and not accessible to the public. This project will allow expansion of the existing fuel for light duty and heavy duty applications. CMF is currently provided by the Oklahoma Natural Gas Company (ONG) to the CMF from a single line that begins at SW 15th Street and S Portland Avenue. The source for the retrofitted fuel facility will be a new single CNG line that will connect with the existing line and extend within the CMF footprint. All improvements would be made entirely within the existing CMF footprint.

The retrofit would include converting one of the two four-inch fill dispensers to a two-inch tall fill dispenser, with scalability for an additional two-foot tall fill dispenser, installing a compressor just north of the dispenser on the existing concrete parking lot, removing and relocating one of the existing four-inch fill dispensers and installing three above-ground storage tanks with a total storage capacity of 30,000 gal. Excavation work will be required to open a concrete slab in the existing parking lot for the two-inch dispenser and compressor line; a four-inch bore of approximately 300 feet is needed under the parking lot.

A safety and accident prevention plan is a condition of bid requirement. The City would be required to obtain a City Mechanical Permit for installation of the CNG compressor and dispenser; a building permit may be required if a bid specifies constructing a canopy over the fuel site. Expansion of the current City CNG fuel and fueling heavy equipment is expected to increase CNG dispensing. Estimated positive gallon equivalents are projected from FY 10 to 2010 to 100,000 in 2010. ONG has provided assurance it will meet the City's natural gas needs for this project.

The City did not provide waste stream documentation. The City and contractor would be responsible for the proper disposal of all waste generated in accordance with local, state, and federal regulations. This activity is categorically excluded from further NEPA review under 201 (category to conserve energy).