PMC-EF2a
(2.06.02)

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

RECIPIENT: Wisconsin State Energy Office **STATE:** WI

PROJECT TITLE : PY2011 SEP Formula - CNG Infrastructure Challenge: MG&E(2)

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000507	DE-F26-07NT43169	GFO-0005465-012	

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:

B5.22 Alternative fuel vehicle fueling stations The installation, modification, operation, and removal of alternative fuel vehicle fueling stations (such as for compressed natural gas, hydrogen, ethanol and other commercially available biofuels) on the site of a current or former fueling station, or within a previously disturbed or developed area within the boundaries of a facility managed by the owners of a vehicle fleet. Covered actions would be in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices.

Rational for determination:

The U.S. Department of Energy (DOE) provided funding to the Wisconsin State Energy Office (SEO) under the DOE's 2011 State Energy Program (SEP). Wisconsin SEO selected Madison Gas & Electric (MG&E) to receive $200,000 in funds to install a Compressed Natural Gas (CNG) filling station.

The proposed site would be located at 6162 State Highway 51, Deforest, Wisconsin, 53532. The project would be installed at an existing fueling station. The proposed site is located east of Highway 51 and northeast of Interstates 90/94. The surrounding area is mainly commercial and industrial, directly to the east is open space.

The proposed project consists of installing three cylindrical ASME storage vessels in a common storage rack. Each vessel has a natural gas storage capacity of 11,567 Standard Cubic Feet (SCF) at 4,500 psig, for a combined capacity of 34,700 SCF at 4,500 psig. Tank dimensions are approximately 23 ft. x 18 inches with a liquid volume of 256 gallons each, and a total storage volume of 768 liquid gallons. The storage tanks would be located approximately 170 ft. from the CNG fueling island.

A new concrete pad, measuring ~1,585 sq. ft. would be installed to hold the tanks and compressor skid. The new pad would require frost footings at a depth of 4 ft. and would be located adjacent to, and southeast of, the existing fueling island. The lot is previously disturbed and operational. A pipeline connecting the tanks and dispensers would be approximately 170 ft. long and would be either directionally bored or trenched through the existing parking lot. Trenching would not exceed 150 cubic yards and a depth of 4 ft., and excavated material would be used to backfill the trench after installation. The asphalt parking lot would be restored to its current condition after installation.

The CNG dispensers and components (i.e. piping, gaskets, seals, shear, and associated system components) would be installed at existing fuel islands at the station. Two-hundred feet of electrical conduit would be required to connect the existing underground electrical service with a transformer, motor start panel and compressor equipment skid. This would be installed through either directional boring or trenching.

Existing roadways and facilities are adequate for construction traffic and the slight increase in CNG fueling traffic as a result of the proposed project. The noise level may increase due to construction of and then operation of the CNG filling station, but should be minimal as the site would be located directly adjacent to the Highway.

According to the United States Fish & Wildlife Service (FWS), the Whooping crane, Higgins eye, Sheepnose Mussel, Mead's milkweed, Prairie bush-clover, eastern prairie fringed orchid are species that are known to occur in Dane County. Based on the highly disturbed nature of the site, DOE has determined that the project would not impact threatened or endangered species in the vicinity.

There are identified freshwater emergent wetlands to the north, east and south of the proposed site. The proposed project would not impact the wetlands because the project would occur on previously disturbed property.

The fueling station has been in operation since 1965 and is not listed or eligible for listing on the National Register of Historic Places. DOE has determined the proposed project would not adversely affect historic or cultural resources. If unanticipated discoveries are made during construction, MG&E and its contractors will halt construction and contact the Wisconsin State Historic Preservation Officer and DOE.

The proposed project would require a Wisconsin Department of Natural Resources plan review and approval prior to installation, ASME boiler and pressure vessel design approval and a municipal building permit.

Based on review of the project information and the above analysis, DOE has determined the installation of the proposed CNG filling station would not have a significant impact on human health and/or environment. DOE has determined the proposed filling station is consistent with the actions contained in B5.22 "Alternative fuel vehicle fueling stations," and is categorically excluded from further NEPA review.

Any further projects will require a separate NEPA determination review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Diana Scott 5.17.2012

DOE Funds: $200,000

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/17/2012

NEPA Compliance Officer

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