PMC-EF2a

(2.04.02)

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

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000507	DE-F26-07NT43169	GFO-0005465-002	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:

B5.22 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). SEO selected Madison Gas & Electric (MG&E) to receive $200,000 in SEP funding (total project cost - $200,000).

MG&E proposes to use SEP funds to install an above-ground, dual Compressed Natural Gas (CNG) refueling station at an existing Speedway fueling station, located at 2500 Royal Ave., Monona, WI 53713 (proposed project). The Speedway was constructed in 1997 and currently provides gasoline and diesel fuel.

The proposed project and associated actions have the potential to impact the following resource areas:

Ground Disturbance: The proposed project consists of installing three (3) 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 4500 psig, for a combined capacity of 34,700 SCF at 4500 psig. Tank dimensions are ~ 23' x 18," with a liquid volume of 256 gallons each, and a total storage volume of 768 liquid gallons. The storage tanks would be located approximately 300 feet from the CNG dispenser(s). Ground disturbance associated with the tanks and compressor skid would be a ~1585 sq. ft concrete pad with frost footings and would require some excavation for leveling and the footing would be ~4' deep. The finished pad would be located adjacent to and east of the station (See CNG infrastructure Challenge MG&E Site Diagrams.pdf). The lot is previously disturbed and is currently vacant. An additional ~50 – 72' sq. ft. would be required for the motor starter panel and electrical service transformer.

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. A pipeline connecting the tanks and dispensers would be required and would be ~170' long and would be either directionally bored or trenched through the existing parking lot. The parking lot would be restored to its current condition after installation. Finally, ~30' of electrical conduit would be required to connect the compressor with existing electric service. Existing roadways are adequate for construction traffic and the slight increase in CNG fueling traffic as a result of the proposed project.

Historic Preservation: The proposed project area is primarily commercial and industrial in nature and is located to the southeast of the Beltline Highway 18/12 (See CNG infrastructure Challenge MG&E Aerial View.pdf). Surrounding the station are a parking lot, highways, shopping centers, and other commercial buildings. Based on the highly disturbed nature of the proposed project location, DOE has determined the proposed project will 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.

Threatened and Endangered Species: Additionally, based on the highly disturbed nature of the site, DOE has determined the proposed project will not impact threatened or endangered species in the project vicinity.

The proposed project would require a Wisconsin Department of Natural Resources plan review and approval prior to installation and a local building permit; however, MG&E does not anticipate the need for additional permits.

Based on the proposed project's location at an existing fueling station and the above analysis, DOE has determined the proposed project will not have significant individual or cumulative impacts on the human environment. DOE has determined the purchase and installation of the above CNG equipment and infrastructure meets the definition of DOE categorical exclusion B5.22 "alternative fuel vehicle fueling stations" and is categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Note to Specialist :

DOE funding - $200,000
EF2a prepared by Melissa Rossiter

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Kristin Kerwin Date: 12/29/2011
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