

PMC-ND

(1.08.09.13)

**U.S. DEPARTMENT OF ENERGY**  
**OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY**  
**NEPA DETERMINATION**



RECIPIENT: State of Louisiana - Department of Natural Resources

STATE: LA

PROJECT TITLE : State Energy Program - ARRA Revolving Loan Fund - Ivan Smith Furniture 2 - CNG Vehicle Fueling Stations

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-0000052	DE-E0006212	GFO-0006212-001	

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 or water** (a) Actions to conserve energy or water, demonstrate potential energy or water conservation, and promote energy efficiency that would not have the potential to cause significant changes in the indoor or outdoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, manufacturers, and designers), organizations (such as utilities), and governments (such as state, local, and tribal). Covered actions include, but are not limited to weatherization (such as insulation and replacing windows and doors); programmed lowering of thermostat settings; placement of timers on hot water heaters; installation or replacement of energy efficient lighting, low-flow plumbing fixtures (such as faucets, toilets, and showerheads), heating, ventilation, and air conditioning systems, and appliances; installation of drip-irrigation systems; improvements in generator efficiency and appliance efficiency ratings; efficiency improvements for vehicles and transportation (such as fleet changeout); power storage (such as flywheels and batteries, generally less than 10 megawatt equivalent); transportation management systems (such as traffic signal control systems, car navigation, speed cameras, and automatic plate number recognition); development of energy-efficient manufacturing, industrial, or building practices; and small-scale energy efficiency and conservation research and development and small-scale pilot projects. Covered actions include building renovations or new structures, provided that they occur in a previously disturbed or developed area. Covered actions could involve commercial, residential, agricultural, academic, institutional, or industrial sectors. Covered actions do not include rulemakings, standard-settings, or proposed DOE legislation, except for those actions listed in B5.1(b) of this appendix. (b) Covered actions include rulemakings that establish energy conservation standards for consumer products and industrial equipment, provided that the actions would not: (1) have the potential to cause a significant change in manufacturing infrastructure (such as construction of new manufacturing plants with considerable associated ground disturbance); (2) involve significant unresolved conflicts concerning alternative uses of available resources (such as rare or limited raw materials); (3) have the potential to result in a significant increase in the disposal of materials posing significant risks to human health and the environment (such as RCRA hazardous wastes); or (4) have the potential to cause a significant increase in energy consumption in a state or region.
- 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.

## Rationale for determination:

The U.S. Department of Energy (DOE) provided funding to the State of Louisiana - Department of Natural Resources (LDNR) under the DOE's American Recovery and Reinvestment Act of 2009 (ARRA) State Energy Program (SEP). DOE ARRA funding was used to establish a Revolving Loan Fund called the Empower Louisiana Flex-Fund Revolving Loan Program. LDNR proposes to provide a loan from this fund to Ivan Smith Furniture (ISF). Loan and cost-share funding would be used to purchase and install compressed natural gas (CNG) fueling station equipment. It is the intent of ISF to construct a compressed natural gas (CNG) fueling station primarily for the Company's fleet, and to convert existing fleet to natural gas. ISF currently has an active CNG fleet of ten (10) vehicles. The planned facility would be accessible to the public for fueling.

DOE made a previous NEPA determination (GFO-0000124-022 CX B5.1, B5.22 2/8/2013) which included the installation of two CNG fueling stations, the purchase of five CNG vehicles and 40 CNG vehicle conversion kits. This NEPA determination applies to the installation of an additional CNG fueling station.

The new CNG vehicle fueling station would be installed at an existing ISF property on previously disturbed land located at 501 70th St., Shreveport, Louisiana. The proposed site contains an existing service station with a large

vehicle canopy and three buildings: main warehouse (115,000 square ft.), warehouse (10,000 square ft.), and maintenance shop (6,200 square ft.). The site was constructed in 1972.

ISF provided details for the installation of the CNG fueling station, safety measures and standards, appropriate control technologies and best management practices that would be incorporated in the installation and subsequent operation of the facility, and the necessary state and local permits that would be obtained prior to installation and operation. Erosion control and storm water prevention plans would be in place prior to construction activities. Emergency and safety features would be installed per National and International Fire Code. Staff would be trained on safety and operation procedures. Safety and operation signs and security and emergency monitoring equipment would be installed at each site.

The CNG station would be located on the North East corner of the property and use existing driveways entering and exiting the property. Approximately 1.35 acres of previously disturbed land would be impacted during construction. A small portion of one of the existing building would be removed. Demolition would include an 800 square ft. portion of the front of the building which was previously used for sales and offices. In addition, the existing 4,400 square ft. vehicle canopy would be removed and replaced with a metal canopy approximately 16 ft. in height. A new four inch gas line would be installed approximately 2,000 linear feet to the site by the local gas utility. The existing paving surrounding the building would be cut in some areas so that utility services (electrical, water) could be installed. In addition, new concrete slabs approximately 1,100 square ft. would be installed. Approximately 2,000 square ft. of existing asphalt paving would be removed to accommodate the concrete slabs for the CNG equipment.

The station would include the following new equipment: One (1) 250 horsepower Compressor Package, One (1) Natural Gas Dryer, and three (3) 100 DGE storage spheres equaling 330 GGE of storage capacity, and two (2) double-sided CNG dispensers would be installed for quick fueling. The CNG processing and storage equipment as well as the CNG dispenser would be surrounded by security fencing.

The U.S. Fish and Wildlife Endangered Species Program website identifies six species in Caddo Parish. DOE has determined that the installation of one CNG fueling station at a previously disturbed site, within a developed area would not adversely affect the endangered species in the area. Other resources, including wetlands, floodplains, and historical or cultural resources would not be adversely affected as they are not known to occur at the proposed location.

Based on review of the project information and the above analysis, DOE has determined the proposed installation of one compressed natural gas (CNG) vehicle fueling station at a previously disturbed location would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined the proposed activities are consistent with actions contained in DOE categorical exclusions B5.1 "Actions to conserve energy," and B5.22 "alternative fuel vehicle fueling stations," and are 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 :

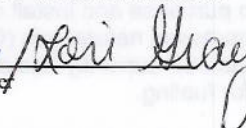
This NEPA Determination does not require a tailored NEPA provision.

Kelly Daigle 9/5/2013

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

NEPA Compliance Officer Signature:

Electronically Signed By: *Lori Gray*  
NEPA Compliance Officer



Date: 9/5/2013

**FIELD OFFICE MANAGER DETERMINATION**

Field Office Manager review required

**NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:**