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 City of Kenner 24th Street @ Delaware Ave. Lift Station Improvements

Funding Opportunity Announcement Number

DE-EE0007475

Procurement Instrument Number NEPA Control Number CID Number GFO-0007475-001

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:

**B2.5 Facility** safety and

Safety and environmental improvements of a facility (including, but not limited to, replacement and upgrade of facility components) that do not result in a significant change in the expected useful life, design capacity, or environmental function of the facility and during which operations may be suspended and then resumed. Improvements improvements include, but are not limited to, replacement/upgrade of control valves, in-core monitoring devices, facility air filtration systems, or substation transformers or capacitors; addition of structural bracing to meet earthquake standards and/or sustain high wind loading; and replacement of aboveground or belowground tanks and related piping, provided that there is no evidence of leakage, based on testing in accordance with applicable requirements (such as 40 CFR part 265, "Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities" and 40 CFR part 280, "Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks"). These actions do not include rebuilding or modifying substantial portions of a facility (such as replacing a reactor vessel).

**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.

#### Rationale for determination:

The U.S. Department of Energy is proposing to provide funding to the State of Louisiana-Department of Natural Resources to replace existing non-adjustable pumps and motors with variable frequency drive (VFD) pumps and motors at the 24th & Delaware lift station in the city of Kenner with newer units that utilize variable frequency drives in order to save up to 75% on energy use at this station thereby reducing the energy bill for the city by 6%. This is a large facility and accepts flows from 15 upstream lift stations, including the newly constructed terminal at the New Orleans International Airport.

The proposed project activities include replacement of the existing pumps and motors with two 150-hp and two 300-hp VFD pumps, motor changers, two transducers, and the necessary electrical upgrades. The new equipment would be

retrofitted into existing space already occupied by pumps and motors. Any additional piping and control modifications needed to retrofit the improved pumping system would be installed in spaces already occupied by the existing system. The proposed project would not alter the capacity, use, mission or operation of the existing facility. The contractor completing the facility improvements is required to obtain all necessary permits prior to beginning work. With the exception of the replaced equipment, the proposed project would not generate a waste stream. All waste would be disposed of according to local, state and federal regulations. The facility uses electric power for operation; therefore hazardous emissions are not expected as a result of the proposed project.

Based on the review of the proposal, DOE has determined the proposal fits within the class of action(s) and the integral elements of Appendix B to Subpart D of 10 CFR 1021 outlined in the DOE categorical exclusion(s) selected above. DOE has also determined that: (1) there are no extraordinary circumstances (as defined by 10 CFR 1021.410(2)) related to the proposal that may affect the significance of the environmental effects of the proposal; (2) the proposal has not been segmented to meet the definition of a categorical exclusion; and (3) the proposal is not connected to other actions with potentially significant impacts, related to other proposals with cumulatively significant actions, or an improper interim action. This proposal 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 the Recipient intends to make changes to the scope or objective of this project, the Recipient is required to contact the Project Officer, identified in Block 15 of the Assistance Agreement before proceeding. The Recipient must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved. If the Recipient moves forward with activities that are not authorized for Federal funding by the DOE Contracting Officer in advance of a final NEPA decision, the Recipient is doing so at risk of not receiving Federal funding and such costs may not be recognized as allowable cost share.

Note to Specialist:

This NEPA Determination does not require a tailored NEPA provision.

NEPA review completed by Diana Heyder, 08/10/17

Office of Weatherization and Intergovernmental Programs – State Energy Program

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

NEPA Compliance Officer Signature:		Signed By: Kristin Kerwin	Date:	8/10/2017
		NEPA Compliance Officer	180000	
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: Dat				
Field Office Manager				