

PMC-ND

(1.08.09.13)

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

**RECIPIENT:** Jefferson Parish Department of Engineering Municipal Street Lighting**STATE:** LA**PROJECT TITLE:** Jefferson Parish West Bank Street Lighting Project

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|--|--------------------------------------|----------------------------|-------------------|
| Funding Opportunity Announcement Number | Procurement Instrument Number | NEPA Control Number | CID Number |
| DE-SEP-0002017 | DE-EE0007475 | GFO-0007475-001 | |

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Policy 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

A9 Information gathering, analysis, and dissemination Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)

B4.13 Upgrading and rebuilding existing powerlines

Upgrading or rebuilding approximately 20 miles in length or less of existing electric powerlines, which may involve minor relocations of small segments of the powerlines.

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 (DOE) is proposing to provide funding to the Louisiana State Energy Office to

upgrade lighting along five streets in Jefferson Parish, Louisiana through their revolving loan fund. While proposed activities vary slightly at each location, overall efforts would include installing street light poles with LED lights, removing above ground power lines with attached street lights and adding below ground power lines, and retrofitting street light fixtures with LED bulbs. All sites would result in high efficient LED street lighting. Energy savings with LED lights is expected to be between 25%-75%.

Proposed locations are on major thoroughfares which impact schools, hospitals, and businesses. All activities would occur within the right-of-ways for each road. Locations that require placing powerlines below ground, would use a side boring tractor that would feed the electrical lines through an underground horizontal hole as it bores from an above ground position to minimize above ground disturbance. Powerlines would be buried to the regulatory depth of 24" to 36". Specific activities at each location are detailed below.

Proposed work on Metairie Road would occur between Severn Avenue and 17th Street Canal, including median areas. Powerlines on Metairie Road are above ground, and the type of street lighting varies, with some lighting on light poles and some street lighting attached to powerline poles. The above ground powerlines would be removed and the powerline would be placed underground. Approximately 218 new light poles would be installed with LED lighting along Metairie Road. Existing light poles would be retrofitted with LED lights.

Jamie Blvd between Highway 90 and Cambay Drive currently has minimal lighting. Proposed activities at this location would be to add three light poles by tapping into the existing underground electrical line as well as retrofitting existing light fixtures with LED lights.

Activities on West Tish Road from Highway 90 to Cambay Drive would include the installation of two new light poles, also by using the existing underground electrical line and retrofitting existing light fixtures with LED lights.

Cousins Boulevard between Woodmeer Boulevard and Oakmere Drive currently does not have any existing street lighting. Proposed activities would include boring underground electrical lines on the north side of the street which would tie into the existing electrical service near Cousins Boulevard, and adding 20 new light poles with LED lights.

Medical Center Boulevard between West Bank Expressway and Wickers Road currently has overhead electrical lines with street lights attached. The proposed activities would include removing the overhead electrical lines and placing the lines below ground. Approximately 46 light poles with LED light bulbs would then be installed.

All salvaged materials would either be reused, recycled or disposed of by the contractor in accordance with local regulations. All activities would occur outside of the floodplain. The State Historic Preservation Office determined that no known historic properties would be affected by this undertaking.

The proposed action (or the part of the proposal defined in the Rationale above) fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D. To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities; (3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph B(4) of 10 CFR Part 1021, Subpart D, Appendix B; (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.

There are no extraordinary circumstances related to the proposed action that may affect the significance of the environmental effects of the proposal.

The proposed action has not been segmented to meet the definition of a categorical exclusion. This proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

The proposed action is categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination.

Notes:

Weatherization & Intergovernmental Programs Office- State Energy Program
This NEPA Determination does not require a tailored NEPA provision.
NEPA review completed by Diana Heyder 11/06/2018

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____

 **Electronically Signed By: Kristin Kerwin**
NEPA Compliance Officer

Date: 11/7/2018

FIELD OFFICE MANAGER DETERMINATION

- Field Office Manager review not required
- Field Office Manager review required

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____

Field Office Manager

Date: _____