

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



RECIPIENT: City of Wyandotte, Municipal Services

STATE: MI

PROJECT TITLE : Wyandotte Integrated Renewable Energy Strategy – WIRES 2

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-FG36-06GO86090	GFO-GO086090-003	GO86090

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.

Rationale for determination:

The U.S. Department of Energy (DOE) is proposing to provide federal funding to Wyandotte Municipal Services (WMS) to research, design and develop five, separate but inter-related, renewable energy and energy efficiency projects that would reduce the City of Wyandotte's environmental and energy impact and encourage businesses and citizens to adopt cleaner energy practices. Through a project titled, "The Wyandotte Integrated Renewable Energy Strategy – Wyandotte WIRES 2", WMS proposes to develop projects to include: community-scale micro-wind turbines, hybrid wind/solar technologies, LED powered municipal lights, electric vehicle (EV) charging stations for plug-in vehicles, an expanded geothermal heating and cooling district, and a job training program for energy efficiency and renewable energy technologies and a public and educational outreach program.

This award previously received a NEPA Determination (GFO-06-078; CX-A9, CX-B3.1 and C12; 6/21/2006) for Phase 1 - Feasibility Study (CX-A9 and CX-B3.1) and Phase 2 – Construction (C12) activities related to a proposed wind power demonstration project. After completion of the Phase 1- Feasibility Study activities and a draft Environmental Assessment (EA) the project was re-scoped and the Phase 2- Construction activities of the wind power demonstration project were not completed. Another NEPA Determination (GFO-86090-002; CX-A9; 11/20/2013) was completed for administrative and project management activities that included project research, feasibility studies, project design, outreach and education, and the completion and dissemination of bid documents associated with the proposed tasks to help provide DOE with the necessary information to complete the NEPA review of the various proposed renewable energy and energy efficiency installation projects found in Phase 2 of the present Statement of Project Objectives (SOPO). This NEPA review is for the installation of energy-efficient and low-maintenance LED streetlights and stadium lights (Phase 2 Task 1) of the present SOPO. Remaining tasks under Phase 2 will require additional NEPA review once WMS has better defined the activities under those tasks.

All proposed new installations would replace previously existing lights and poles. No new locations for lighting are being proposed. Specific areas of installation would include the Fort St. corridor, Bishop Park, FOP Park, Pulaski Park and a short strip along Sycamore Avenue between Biddle and 3rd Avenue. Installations between Biddle and 3rd Avenue and those in Bishop Park would occur within or near historic properties/districts. An "effect" is defined in the Advisory Council on Historic Preservation's Section 106 of the National Historic Preservation Act (NHPA) regulations as the alteration to the characteristics of a historic property qualifying it for inclusion in or eligibility for the National Register (36 CFR 800.16(i)). Any adverse impact to historic properties associated with modern streetlights already exists at this time and the replacement of modern streetlights with more efficient modern streetlights does not constitute an effect under the NHPA regulations, therefore DOE has determined that Phase 2 Task 1 has "no potential to cause effects" (36 CFR 800.3 (a)(1)) to historic properties. Consultation with the State Historic Preservation Officer under Section 106 of the NHPA is not required.

Based on review of the project information and the above analysis, DOE has determined that Phase 2 Task 1 activities would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined these activities are consistent with actions contained in DOE categorical exclusion B5.1 "Actions to conserve energy or water," and are categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a conditional NEPA determination for this award, and funding for certain tasks under this award is contingent upon the final NEPA determination.

Insert the following language in the award:

You are restricted from taking any action using federal funds, which would have an adverse affect on the environment or limit the choice of reasonable alternatives prior to DOE/NNSA providing either a NEPA clearance or a final NEPA decision regarding the project.

Prohibited actions include:

All Phase 2 installation or ground breaking activities other than installation of Energy-Efficient and Low-Maintenance Street Lights, Park Lights and Stadium Lighting.

This restriction does not preclude you from:

Administrative and project management activities

Installation of Energy-Efficient and Low-Maintenance Street Lights, Park Lights and Stadium Lighting

If you move forward with activities that are not authorized for federal funding by the DOE Contracting Officer in advance of the final NEPA decision, you are doing so at risk of not receiving federal funding and such costs may not be recognized as allowable cost share.

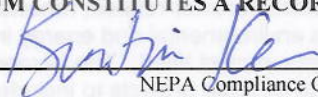
Note to Specialist :

This NEPA Determination requires a tailored NEPA provision.

Casey Strickland 03/05/2014

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____



NEPA Compliance Officer

Date: _____

3/7/2014

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: _____

Field Office Manager

Date: _____

3/6/2014