PMC-EF2a
(2.06.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: City of St. Petersburg **STATE:** FL

PROJECT TITLE : St. Petersburg Solar Pilot Project (FL)

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-EE0000284	GFO-0000284-004	GO284

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.

Rational for determination:

The City of St. Petersburg proposes to use $16,000 in DOE funding to facilitate the construction and operation of a 50 kWh energy storage capacity zinc bromide battery that would be connected to a 40 kW roof-mounted solar photovoltaic system. The proposed project would be installed at the Walter Fuller Park Recreation Center at 7891 26th Avenue North, St. Petersburg, Florida 33710.

The proposed site is located in a residential and commercial area. The proposed system would be located at the rear corner of the building, on the northeast corner of the property.

A concrete pad, 7 ft. length X 3 ft. width, would be constructed to support the proposed 50 kWh zinc bromide battery and the battery wiring would be drilled through the wall directly into the electrical room. The concrete pad would be surrounded by an 8 ft. high fence, equipped with anti-vandal angled top posts. The fence posts would be anchored 2 ft. into the ground.

The U.S. Fish and Wildlife Service Endangered Species Program website identified ten endangered or threatened species within Pinellas County, Florida. DOE has determined that these species would not be affected because the proposed project would occur on previously disturbed property. There are not any floodplains or wetlands within reasonable proximity to the proposed project location.

If unanticipated discoveries are made during construction, St. Petersburg and its contractors will halt construction and contact the Florida State Historic Preservation Officer and DOE.

Based on review of project information and the above analysis, DOE has determined that the installation of the zinc bromide battery would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined the proposed project is consistent with the power storage actions contained in DOE categorical exclusion B5.1 "actions to conserve energy."

Any further projects will require a separate NEPA determination review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Diana Scott 7.17.2012

DOE Funding: $108,784

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Kristin Ker Date: 7/19/2012
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