

PMC-ND

(1.08.09.13)

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

**RECIPIENT:** Department of Veterans Affairs, Orlando VA**STATE:** FL

PROJECT TITLE: Building Automation System LonWorks to BACnet Conversion

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0002143	DE-EE0009043	GFO-0009043-001	

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Policy 451.1), 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.)
- B2.2 Building and equipment instrumentation** Installation of, or improvements to, building and equipment instrumentation (including, but not limited to, remote control panels, remote monitoring capability, alarm and surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, water consumption monitors and flow control systems, announcement and emergency warning systems, criticality and radiation monitors and alarms, and safeguards and security equipment).

Rationale for determination:

The U.S. Department of Energy (DOE) is proposing to provide funding to the Department of Veterans Affairs (VA) to design, develop, install, field test, and commission an upgrade to a portion of the Building Automation System (BAS). This would occur in the Orlando VA's Lake Nona facility.

Proposed project activities would include computer modeling, system operation and monitoring, data collections, reporting, and installation of an upgraded BAS. Investment Grade Audits (IGA) would be run at various points of development stages in order to ascertain exact quantities of devices to be upgraded, the detailed scope, cost estimates, and energy savings. The reports generated by these audits will help determine if the upgrade project continues to meet the requirements of the Energy Saving Performance Contract (ESPC) for the Orlando VA.

The IGAs would result in a design with a fixed price and a task order which would result in upgrades to the existing BAS. The project would be limited to upgrading the Hospital Building BAS devices and cabling only. Existing 2-wire conductor, non-shielded type communications cabling would be replaced with a 3-wire conductor shielded cable. Existing control enclosures, conduits, peripheral equipment, and sensors would be reused as much as possible.

There would be no physical modifications of existing facilities. The only modifications would be to the equipment that would be replaced and upgraded. There would be no ground disturbing activities, outdoor installation work, or changes to the use, mission, or operation of buildings.

Project management for the upgrade would be provided by the VA Contracting Officer Representative (COR) and the Energy Service Company (ESCO) implementing the (ESPC). The COR would coordinate local input, participation, and review of the upgrade and broader ESPC project deliverables. The ESCO would provide professional services required for the upgrade project and broader ESPC including engineering and design; program, project, and construction management; commissioning; and ongoing measurement and verification. The ESCO would also engage specialty subcontractors and consultants as needed to develop and implement the ESPC, such as the consultant developing the scope and estimated cost for the upgrade.

Because the Department of Veterans Affairs is part of a Federal agency it is required to comply with NEPA for this project. This would include completing an environmental review for the project including any necessary consultations and geotechnical or other surveys prior to a decision whether to proceed. If the Department of Veterans Affairs proceeds with the proposed project after their NEPA review they would be required to obtain all necessary permits and follow appropriate environment, health and safety measures. The Department of Veterans Affairs must provide its final

NEPA determination(s) to their DOE FEMP Technical Project Officer or point of contact.

This DOE grant is a secondary funding source for this project and comprises approximately 1.83% of total project funding. Primary funding will come from the Department of Veterans Affairs through the Energy Savings Performance Contract (ESPC).

NEPA PROVISION

DOE has made a final NEPA determination.

Include the following condition in the financial assistance agreement:

The Recipient is a Federal agency and is also required to comply with NEPA. When the Recipient has completed its NEPA review process for the proposed project, the Recipient will provide its final NEPA determination(s) to their DOE FEMP Technical Project Officer or point of contact.

Notes:

Federal Energy Management Program
This NEPA determination requires a tailored NEPA provision.
Review completed by Shaina Aguilar on 11/30/2020

FOR CATEGORICAL EXCLUSION DETERMINATIONS

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.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____


NEPA Compliance Officer

Date: 12/1/2020

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: _____