

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



RECIPIENT: Wisconsin Public Service Commission; City of Sun Prairie Multi-facility Library
Community Resiliency Center & Level 1 Microgrid (Replacement Application)

STATE: WI

PROJECT TITLE : Wisconsin Energy Innovation Grant Program 2022

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
SEP-ALRD-2020	DE-EE0010052	GFO-0010052-005	

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.)

B5.16 Solar photovoltaic systems

The installation, modification, operation, and removal of commercially available solar photovoltaic systems located on a building or other structure (such as rooftop, parking lot or facility, and mounted to signage, lighting, gates, or fences), or if located on land, generally comprising less than 10 acres within a previously disturbed or developed area. Covered actions would be in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices.

Rationale for determination:

The U.S. Department of Energy has provided funds to the Wisconsin Public Service Commission which is proposing to fund a 128kW rooftop photovoltaic (PV) system with a 225 kWh Battery Energy Storage System (BESS) at the Sun Prairie Public Library located at 1350 Linnerud Dr. in Sun Prairie, WI. The library has approved plans to expand the facility independent of the DOE funding, where the proposed PV and BESS would be installed. The library expansion is an independent effort and would be completed regardless of the DOE funded activities.

The proposed DOE project activities would include the design, installation, and testing associated with integrating the PV system and BESS into a utility grid interactive microgrid. The PV system would require 284 modules and two inverters with optimizers. The 12 feet long, 8 feet wide, 8 feet high BESS unit would require a concrete pad adjacent to the northeast corner of the building. Microgrid components located within the new library expansion would include a utility monitor, automated breaker, electrical panel with additional circuitry, microgrid controller, and a BESS controller. The existing transformer would require upgrading by Sun Prairie Utilities Energy power company.

The project site is outside of the 100-year floodplain.

The recipient is working directly with their State Historic Preservation Officer (SHPO) to ensure protection of cultural resources during the course of project activities, per their historic preservation programmatic agreement with DOE and the Wisconsin SHPO.

Installation of the proposed project may involve the use of heavy equipment and working with electricity. Potential hazards would be mitigated through adherence to established institutional health and safety policies and procedures. The sub-recipient and their partners would adhere to all applicable federal, state, and local health, safety, and environmental regulations. DOE does not anticipate any impacts to resources of concern due to the proposed activities of the project.

Any changes to the project activities or locations are subject to additional NEPA review by DOE and are not authorized for federal funding unless and until the Contracting Officer provides written authorization on those additions or modifications.

NEPA PROVISION

DOE has made a final NEPA determination.

Notes:

Office of State and Community Energy Programs – State Energy Programs
(State Energy Program Transformation & Planning)
NEPA review completed by Diana Heyder, 1/31/24

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:  Electronically Signed By: Casey Strickland Date: 2/6/2024
NEPA Compliance Officer

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: _____ Date: _____
Field Office Manager