

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



RECIPIENT: Wisconsin Office of Energy Innovation

STATE: WI

PROJECT TITLE : WI EIGP Roof PV + BESS

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-EE0008669	GFO-0008669-025	

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:

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 (DOE) is proposing to provide funding to the Wisconsin Office of Energy Innovation through the Energy Innovation Grant Program to install photovoltaic (PV) and battery energy storage systems (BESS) at a public library, several residential buildings, and a city hall.

The proposed project locations include:

Antigo Public Library – 617 Clermont St. Antigo, WI 54409

The Antigo Public Library is in a small town in a rural area. Solar arrays would be installed on the east, west, and south roofs, with 87.8kW capacity in total. The system would include three Tesla Powerwall battery backup systems as well. The Tesla Powerwall panels would be installed in the maintenance room. The inverters would be installed in a fenced-in area outside. The solar PV and BESS system is anticipated to be in place for around 25 years.

Building disturbance would be limited to the mounting of panels and installation framework. There would be no ground disturbing activities. Inverters would rest on existing concrete slabs inside existing fenced areas.

Villa West Apartments – 1650 9th Street, Green Bay, WI, 54304

Up to a 97-kW roof-mounted solar PV system would be installed across three building rooftops, owned by the Wisconsin Housing Preservation Corporation. Installation of lithium-ion battery storage systems would be installed in the three buildings, totaling 325 kWh between them. The battery storage systems would be wired to each individual building and stored in either utility rooms or on the building's exterior.

There would be no ground disturbances, as the installation would be on the roof and within the utility room or mounted on the building's exterior.

Waupaca City Hall – 111 S Main Street, Waupaca WI 54981

The proposed project would be a roof-mounted 117.2kW array combined with battery back-up storage at Waupaca City Hall. The system would be composed of 269 total solar modules, with one hundred and seventy 480-watt modules installed on a flat roof surface and ninety-nine 360-watt modules on a pitched roof surface. The battery back-up storage would be installed in the utility room of City Hall. The City of Waupaca would need to obtain a building permit to install the PV.

There would be no ground disturbances, as the installation would be on the roof and within the utility room.

According to the Federal Emergency Management Agency Flood Map Service Center all locations of the proposed

projects are outside of the 100-year floodplain.

The recipient worked directly with their State Historic Preservation Office (SHPO) to ensure protection of cultural resources during the project activities on all proposed sites. The SHPO reviewed all proposed project activities at each site location listed above and determined that no eligible properties will be affected (i.e., none are present or there are historic properties present but the project will have no effect upon them), however if plans change or cultural materials/human remains are found during the project, project activities must halt and the SHPO must be contacted. DOE is in agreement with this determination from the Wisconsin SHPO.

DOE has considered potential impacts on resources of concern, including those of an ecological, historical, cultural, and socioeconomic nature. DOE does not anticipate adverse impacts on these resources.

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:

Weatherization and Intergovernmental Programs – State Energy Program
Review completed by Alex Colling on 10/19/2022.

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:



Casey Strickland

NEPA Compliance Officer

Date: 11/8/2022

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: _____