

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



RECIPIENT: Sac and Fox Tribe of the Mississippi in Iowa

STATE: IA

PROJECT TITLE : Meskwaki Solar Energy Project

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0002975	DE-IE0000199	GFO-0000199-001	

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.)

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 Sac and Fox Tribe of the Mississippi in Iowa (Meskwaki) to install two solar photovoltaic (PV) arrays and associated electrical connections and create a solar PV apprenticeship training program.

Award activities would include installing one roof-mounted array (90 kW DC) and one ground mounted array (45 kW DC). The roof-mounted array would be installed on the administration building, built in 1975, and the ground-mounted array constructed south of the apprenticeship building, both on Meskwaki tribal lands. The ground-mounted array would cover less than an acre of ground.

The underground conduit and utilities would be trenched approximately 120 linear feet to connect the solar PV to the Apprenticeship building.

The project area where ground-mounted arrays would be installed is previously disturbed tribal lands. Pursuant to Section 106 of the National Historic Preservation Act, DOE submitted a Request for Review to the Meskwaki Tribal Historic Preservation Office (THPO) and received concurrence with the determination that no cultural sites or historic properties are present or affected in the project area.

The U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website identifies one threatened species (Eastern Prairie Fringed Orchid) two endangered species (Indiana Bat and Northern Long-eared Bat) one candidate species (Monarch Butterfly), and one proposed threatened (Tricolored Bat), which may occur in the proposed project area. No critical habitats are identified within the proposed project area.

Indiana bat, Northern Long-eared bat, and Tricolored bat use forested habitat, which is not present in the project area. Eastern Prairie Fringed Orchid inhabit a variety of habitats, including wet to mesic prairies, sedge meadows, and marsh and marsh edge, none which are present in this project area. The area where the ground-mounted array would be installed has been previously disturbed for traditional agriculture use, in addition disturbance from installation would be minimal and temporary. DOE has determined no effect to special status species.

Minimal air emissions may result from the use of equipment during construction of the system. However, significant air impacts are not anticipated as emissions would be temporary and intermittent. Project activities would involve hazards associated with construction activities and working with electricity. Any risks working with hazards would be mitigated through established Tribal safety and construction protocols. The tribe would observe all applicable health, safety, and

environmental regulations. DOE does not anticipate any impacts to resources of concern due to the proposed activities of the project.

DOE has considered the scale, duration, and nature of the proposed activities to determine potential impacts on sensitive resources, including those of an ecological, historical, cultural, and socioeconomic nature, and found no effects that would be expected to result from the proposed project activities.

NEPA PROVISION

DOE has made a final NEPA determination.

Notes:

Office of Indian Energy Policy and Programs (IE)
NEPA review completed by Dustin Hill, 2/1/2024

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: 2/7/2024

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: _____