

Solar and Storage Generation Project

Request for Proposal For *Manitowoc Public Utilities*

September 27, 2024

Contact: David England
1303 South 8th Street
Manitowoc, WI 54221
Office: 920-686-4319
Email: dengland@mpu.org

Manitowoc Public Utilities

Request for Proposal

Solar and Storage Generation Project

1.0 Introduction

Manitowoc Public Utilities (MPU) is a municipal utility that owns, operates, and maintains water and electric distribution systems that serves a population of approximately 35,000 located within the City of Manitowoc.

MPU operates a water filtration facility, and a power generation facility with two solid fuel fired steam generation units at the main site located on Lake Michigan. The MPU Administrative offices are also at this site. There are several small pump stations, ash silos, and miscellaneous storage facilities on this main site which service the water filtration and power generation facilities.

The water distribution system consists of three water towers, three below ground pressure reducing stations, one underground reservoir, two booster pump stations, and two Ranney collector wells.

The electric distribution system consists of 6 substations and an additional combustion turbine power generation site. There are approximately 17,821 electric customers, 8,500 poles, twenty-four 13.2kV primary circuits, and seven 4kV primary circuits throughout the electric system. MPU also owns about 33 miles of fiber optic cable which is attached to MPU poles and is partially underground.

MPU is a full Market Participant (MP) of the Midcontinent Independent Transmission System Operator (MISO).

MPU is requesting proposals from developers to construct an aggregate generation project consisting of 30 MW solar generation and 10 MW battery storage system with minimum capability of four (4) hours. MPU is also requesting pricing for the variations given in Section 2 below. Additional proposals for an optional O&M agreement for the project and an alternative Purchase Power Agreement (PPA) arrangement will also be considered.

2.0 Project

Responsive proposals will provide pricing for a 30 MW solar facility coupled with a 10 MW battery storage system interconnected with the MPU distribution system with a minimum capability of four (4) hours (Base Project). MPU is further interested in pricing for the variations given below:

Variation 1	Two (2) separate 15 MW solar facilities each coupled with a 5 MW x 4-hour battery storage system
Variation 2	30 MW solar facility coupled with a 10 MW x 8-hour battery storage system
Variation 3	Two (2) separate 15 MW solar facilities each coupled with a 5 MW x 8-hour battery storage system

Responsive proposals will include a well-annotated timeline for project construction and commissioning.

O&M Agreement option. MPU will consider optional proposals for an operations and maintenance (O&M) agreement for the project after construction.

MPU Contribution. MPU will provide the necessary land for the project as well as the service extensions required for the project to interconnect with MPU’s distribution system.

3.0 Alternative PPA Structure

MPU will consider proposals for an alternate Purchase Power Agreement (PPA) arrangement. Responsive alternate proposals will include a minimum twenty-five-year term, pricing, and battery storage operating parameters for MISO Energy & Operating Reserve market products (including, but not limited to: energy, regulation, spinning reserve, short-term reserve, and supplemental reserve).

4.0 Pricing

Prices quoted shall be clearly indicated as either firm priced offers or prices subject to change. If prices are subject to change, the drivers in the pricing formula must be clearly stated.

5.0 Reservation of Rights

MPU reserves the right to accept or reject any proposals at its sole discretion.

6.0 RFP Schedule

The following schedule and deadlines apply to this RFP:

Activity	Date
Issue RFP	September 27, 2024
RFP Response Package Due	October 25, 2024
Execute Contracts (if any)	November 22, 2024

All proposals submitted in response to this RFP must be received by MPU no later than October 25, 2024. Electronic versions of the responses will be acceptable. MPU reserves the right to unilaterally revise or suspend the schedule.

7.0 Evaluation Criteria

1. Over-all cost, including projected O&M expenses
2. Project construction timeline
3. History of success in completing comparable projects

8.0 Proposal Responses and Inquiries

By submitting a proposal, each bidder agrees to accept and abide by the terms of this RFP. All costs incurred in responding to this RFP and preparing a proposal are the sole costs of the bidder. MPU will not reimburse any bidder for costs incurred in responding to this RFP or for costs incurred during any subsequent negotiations related to this RFP.

Please direct any questions and send proposals to the MPU Official Contact. Questions must be provided in writing to the Official Contact email address.

MPU Official Contact:

David England

Manitowoc Public Utilities

1303 South 8th Street

Manitowoc, WI 55221

Phone: (920) 686-4319

E-mail: dengland@mpu.org