

# 2021

## Solar Energy Resources Request for Proposals

Prepared by



As agent for



**Muscatine  
Power and Water**

# Table of Contents

Table of Contents.....	2
Section 1: Introduction.....	4
Company Background .....	4
Purpose of RFP .....	4
RFP Contents and TEA RFP Procurement Site .....	5
Section 2: Project Details.....	5
Section 3: Eligible Proposals .....	6
Section 4: Proposal Requirements and Submission Procedure.....	6
Proposal Documents.....	6
Applicable Requirements to Proposals .....	6
Credit Requirements.....	7
Cost of Responding .....	7
Disclaimer .....	7
Respondent’s Representation.....	7
Required Approvals .....	8
Proposal Submittal.....	8
Clarifications .....	8
Withdrawal of Proposal.....	8
Confidentiality and Compliance.....	8
Collusion and Conflicts.....	9
Section 5: Proposal Format and Contents .....	9
Executive Summary Requirements.....	9
Proposal Forms Requirements .....	9
Supplemental Information .....	10
Section 6: RFP Process Communication .....	11
The Energy Authority RFP Procurement Site.....	11
Responses to Inquiries.....	11
Schedule.....	12
Pre-Proposal Conference.....	12
Notice of Intent to Respond.....	12
Ownership of Proposal Documents.....	13

Reservation of Rights and Disclaimers .....	13
Section 7: Proposal Evaluation and Criteria .....	14
Evaluation of Proposals .....	14
Phase One Evaluation .....	14
Phase Two Evaluation .....	16
Contractual Considerations .....	17
Insurance .....	17
Commercial Terms and Conditions .....	17
Award .....	17
Exhibit A: Wellfield Site .....	18
Exhibit B: Substation Topology .....	20
Exhibit C: Wellfield Setbacks .....	21

# Section 1: Introduction

## COMPANY BACKGROUND

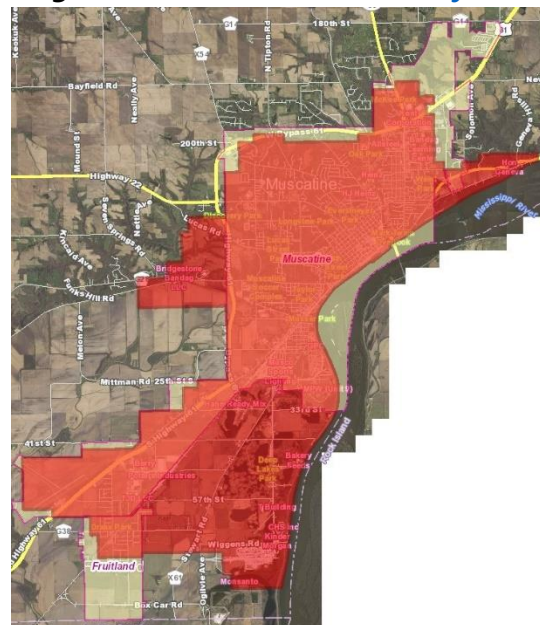
Muscatine Power & Water (MPW) is a non-profit municipal utility providing water, electric, and communications services serving approximately 25 square miles in and around the city of Muscatine, Iowa. MPW buys/sells all energy consumed/generated through direct participation in the Midcontinent Independent System Operator (MISO) wholesale market (zone 3) and is the Local Balancing Authority (LBA) for its own system. MPW currently owns and operates three local coal-fired electric generation units that cover all its capacity requirements, with an annual native system load of approximately 880,000 MWh. MPW also has a Power Purchase Agreement (PPA) for the output of the 13 MW South Fork Wind Farm located in Jackson County, MN.

MPW's electric system consists of three 161/69 kV substations (2 – 134 MVA and 1 – 209 MVA substations), and seven 69/13.8 kV substations totaling 241 MVA. The system has two 161 kV lines totaling 32.7 miles and nine 69 kV lines totaling 32.8 miles. A third 161 kV tie line is being developed and is expected to go into service in the year 2022.

## PURPOSE OF RFP

MPW, in keeping with its mission to competitively meet the needs and expectations of our customers with an environmentally responsible and unique mix of services - for the direct benefit of our community, is seeking bids for two sets of Full Attribute Solar Generation projects. MPW is seeking bids for a solar generation Power Purchase Agreement (PPA) at (1) an existing water wellfield and (2) at developer-sited locations. MPW also requests optional bids for engineering & procurement services as an alternative to any proposed PPA at the MPW-owned Grandview Wellfield Site. A construction estimate is required alongside this optional bid, however, any construction contract is required to go through a separate competitive bid and award process. The preferred Commercial Operation Date (COD) is 2023. MPW is seeking to retain or resell all energy, capacity, and renewable attributes of the proposed projects. Projects may be solar only or solar coupled with a battery electric storage system (BESS). Projects should be optimized to provide the lowest levelized cost of energy (LCOE) within the constraints provided. MPW is open to alternate project configurations provided they would deliver a net value to the utility and its customer owners. Key tenets of project consideration are project viability, price, congestion risk, equipment performance, and deliverability.

**Figure 1: MPW Service Territory (Red)**



## RFP CONTENTS AND TEA RFP PROCUREMENT SITE

As a trusted public power affiliate, The Energy Authority (TEA) is the acting facilitator of this Request for Proposals (RFP).

This RFP includes a description of the request, an outline of the solicitation process, relevant dates, contact information, and proposal submission requirements. All Proposals submitted in response to this RFP (Proposals) must be done through the TEA RFP Procurement Platform (Platform) site as described in this document.

Respondents to this RFP (Respondent) must follow the instructions provided herein in the preparation and submittal of their Proposals.

## Section 2: Project Details

MPW is seeking Proposals for the following projects:

Detail Requirements	MPW Wellfield Project*
Volume MWac	~20-30 MW-ac
Contract Type	PPA w/ early buyout options
Resource Type	PV Solar
Delivery/In-Service Date	2023
Term	20 - 30 years
Product Type	Energy, Capacity, RECs, Ancillary Services
Delivery Location Preferences***	MPW Load, Behind MPW meter
Characterization of Transmission System or Utility	MISO NITS – utility scale

Detail Requirements	Market-Based Projects**
Volume MWac	(Sum of projects) ~30 MW-ac
Contract Type	PPA w/ early buyout options
Resource Type	PV Solar
Delivery/In-Service Date	2023
Term	15 - 25 years
Product Type	Energy, Capacity, RECs, Ancillary Services
Delivery Location Preferences***	MPW Load, Behind MPW meter
Characterization of Transmission System or Utility	MISO NITS – utility scale

\* Site owned by MPW. See Exhibit A for Wellfield Project Information.

\*\* Market-Based Project proposals shall be located on a site controlled by Respondent.

\*\*\* "MPW Load" is an interconnection to MPW's transmission system at 69+ kV -or- the project owner assumes any nodal basis risk for a project interconnected outside of MPW's electric system. "Behind MPW meter" is an interconnection on MPW's distribution system at 13.8 kV.

## Section 3: Eligible Proposals

Proposals to sell energy, capacity, ancillary, and any renewable attributes under a PPA are eligible for consideration under this RFP.

All “Market-Based Project” proposals should specify cost and assumptions associated with interconnection including queue risk and connection type. However, MPW Wellfield Project proposals shall specify the information needed for MPW to submit its own MISO generator interconnection queue application (see exhibit A).

## Section 4: Proposal Requirements and Submission Procedure

All Proposals must satisfy eligibility requirements as set forth in the RFP and be submitted in accordance with the instructions of this RFP to be considered for evaluation.

### PROPOSAL DOCUMENTS

For the purposes of this RFP, Proposal Documents include all documents attached to this RFP and other appended or related data; these may be amended or supplemented from time to time. The Proposal Documents are complementary, and the Respondent must consider anything specified by one and not by the others as binding as though specified by all. In the case of a conflict between the various documents and any supplemental information, MPW will determine which interpretation will govern.

### APPLICABLE REQUIREMENTS TO PROPOSALS

The following requirements apply to all Proposals. Additional requirements are included in the remaining subsections of Section 4.

Proposals and pricing must be provided for a target project in-service date according to [Section 6]. Respondent must identify the schedule milestones required from MPW, regulatory processes, and electrical transmission providers to facilitate the quoted Project in-service date.

- Proposals and pricing must remain valid and binding through at least November 1, 2021, with the date of expiration explicitly stated in the Proposal.
- All prices in the Proposal and pricing forms must be quoted in U.S. dollars in the year to be incurred.
- Proposals must provide firm pricing for the delivery of energy to MPW Load
- Proposals must comply with all applicable federal, state, and, local laws, regulations and ordinances.
- Proposals must comply with all MISO Interconnection standards for submission of generation to the respective market including any requirements specific to Dispatchable Variable Energy Resources.

- PPA Proposals must specify term length or term options if applicable.
- Resources must be interconnected to a system located within MISO Local Resource Zone 3.
- Proposals must outline considerations associated with potential reliability curtailments as directed by MISO.
- The most significant evaluation criteria are project viability, price, location, congestion risk, equipment performance, and deliverability.

## CREDIT REQUIREMENTS

The Respondent must be able to satisfy MPW's credit standards to ensure the Respondent has adequate financial capability. MPW requires qualified Respondents to either have an investment grade rating (S&P BBB- or above; Moody's Baa3 or above), or have sufficient equity security to cover their anticipated delivery obligations under any Agreement, as defined below, entered into as a result of this RFP process. If the Respondent is unable to satisfy the foregoing credit standards, they may designate a Credit Support Provider/Guarantor, and if the Credit Support Provider/Guarantor is satisfactory to MPW, the Respondent will be deemed to have satisfied MPW's credit standards. The quality of credit of the proposed Credit Support Provider/Guarantor will be evaluated under the same standards as that of the Respondent.

Execution of an Agreement resulting from this RFP is conditional upon full satisfaction of any MPW credit support requirements. MPW reserves the right to require additional credit standards and to review and evaluate the quality of credit of each Respondent and Credit Support Provider/Guarantor in addition to making adjustments, as necessary, in the application of the foregoing standards.

## COST OF RESPONDING

Respondent will bear all costs associated with the preparation and submission of its Proposal. Neither MPW, its affiliates, nor any agent of MPW will be responsible or liable for any costs, regardless of the cost or outcome of the proposal process.

## DISCLAIMER

Respondent is responsible for examining the complete Proposal Documents and any subsequently-issued RFP addenda and for analyzing all RFP requirements that might affect the cost of the Project or performance of any part of the work to be completed in connection with the Project (Work). Failure to do so will be at the sole risk of the Respondent and no relief will be given for errors or omissions resulting therefrom.

## RESPONDENT'S REPRESENTATION

By submitting a Proposal, each Respondent represents that they have read and understood the Proposal Documents and are familiar with the local conditions under which the work is to be performed. By responding to this RFP, respondent agrees to disclose sale or transfer of interest in proposed projects until project is contracted.

## REQUIRED APPROVALS

Each Proposal must state that the Respondent has obtained all necessary internal approvals prior to the submission of the Proposal. All Proposals must be signed and must include evidence satisfactory to MPW of the authority of the signor of the Proposal to bind the Respondent.

## PROPOSAL SUBMITTAL

Respondents must submit Proposals via the TEA RFP Procurement Platform site. Instructions for submitting Proposals are provided on the site. Complete Proposals, including all exhibits and forms must be received on the RFP response due date via the TEA RFP Procurement Platform site. All Proposals will become the property of TEA and will not be returned to the Respondent.

## CLARIFICATIONS

MPW may request clarification or additional information during the RFP evaluation process about one or more items in a Respondent's Proposal. Such requests will be sent via email through the [MPWRFP@teainc.org](mailto:MPWRFP@teainc.org) email address to Respondents, who will be required to provide an electronic response via the [MPWRFP@teainc.org](mailto:MPWRFP@teainc.org) email address within five business days. If Respondents fail to do so, MPW may deem the Respondent to be non-responsive and either suspend or terminate evaluation of the Proposal. Respondents may provide an alternate point of contact to ensure a timely response to clarification questions.

## WITHDRAWAL OF PROPOSAL

A Respondent may withdraw a Proposal, by written request, at any time prior to the deadline for RFP responses.

## CONFIDENTIALITY AND COMPLIANCE

MPW will take reasonable precautions and use commercially reasonable efforts to protect any claimed proprietary and confidential information contained in a Proposal, if such information is clearly identified by the Respondent as "PROPRIETARY AND CONFIDENTIAL MATERIAL." Notwithstanding the foregoing, MPW in its sole discretion may release such information: (1) to any external contractors for the purpose of evaluating Proposals, but such contractors will be required to observe the same care with respect to disclosure as MPW; (2) to others who have a need for such information for purposes of evaluating the RFP and the Proposals, the RFP process or a final definitive agreement resulting from the RFP process ("Agreement"), including but not limited to MPW, its directors, employees, staff, consultants and/or agents, and other parties, their consultants and/or agents; or (3) if MPW is requested or compelled to disclose such information (or portions thereof) (i) pursuant to subpoena or other court or administrative process, (ii) at the express direction of any agency with jurisdiction over MPW, or (iii) as otherwise required by law. If MPW determines that the release of such information will be made under one of the circumstances set out above, MPW will provide Respondent with written notice, provided, however, MPW shall have no duty or obligation to the Respondent to withhold

such information or take legal steps to protect the information from disclosure. Under no circumstances will MPW or any elected officials, directors, management, employees, agents, or contractors be liable for any damages resulting from the disclosure of the Respondent's claimed proprietary and confidential information during or after the RFP process. By submitting a Proposal in response to this RFP, the Respondent acknowledges and agrees to the requirements in this provision concerning confidentiality. In the event MPW uses internal, proprietary projections in its evaluation process, the resulting projections will not be shared with Respondents.

## COLLUSION AND CONFLICTS

By submitting a Proposal to MPW in response to this RFP, Respondents certify that they have not divulged, discussed, or compared its Proposal with other Respondents and have not colluded whatsoever with any other Respondent or parties with respect to its Proposal or other Proposals.

## Section 5: Proposal Format and Contents

This section outlines the content and format requirements for all Proposals submitted in response to this RFP. Unless MPW in its sole discretion elects otherwise, Proposals that do not include the information requested in this section will be ineligible for further evaluation. MPW reserves the right to conduct any further due diligence it considers necessary to fully understand and evaluate Proposals prior to entering into any Agreement.

A complete Proposal will include the following components:

- Executive Summary
- Applicable Proposal Forms (Provided on the TEA Procurement platform)
- Any additional electronic data or narrative discussion

## EXECUTIVE SUMMARY REQUIREMENTS

The Executive Summary should briefly describe the Respondent, the Project(s) or resource(s) that are part of the Proposal, the capacity amount, timing and term of the Proposal, and key highlights of the pricing and terms of the Proposal.

## PROPOSAL FORMS REQUIREMENTS

Necessary forms are accessible through the TEA Procurement Platform. Required Proposal Forms should be completed through the site, as prompted by the schedule found in section 6 of this request. The current proposal attachment limitation is 10MB. If, after creating a .zip file your attachments are still larger than the limit, please email those to [MPWRFP@teainc.org](mailto:MPWRFP@teainc.org).

**Please Note: You may submit one response on TEA Marketplace and use the term sheet to build your project variations. Accuracy of submissions are the responsibility of the responding party.**

## SUPPLEMENTAL INFORMATION

In addition to the forms noted above, Respondents must include supplemental information as necessary for the scope of the Proposal to be clearly identified. Depending on the Respondent's Proposal offer, the supplemental information should include as applicable, the following, in the order identified, with each topic beginning on a separate page. Please note the constraints and assumptions show below in italics.

- A. Description of the Respondent
- B. Financial Information / Credit Quality
- C. Identification of all Pricing Terms
- D. Project Description
- E. Equipment Description
  - a. All major equipment and components shall conform to the requirements of, and be tested according to, IEEE 1547-2018/1547a-2020 and IEEE 1547.1-2020.*
  - b. Tier 1 manufacturers shall supply all major equipment and components.*
- F. Annual hourly output forecast (8760)
- G. Electrical Interconnection and Power Delivery Plan
- H. Operations and Maintenance Plan, including Spare Parts Inventory Plan
  - a. Assume developer responsible for O&M for contract term.*
- I. PPA term sheet
- J. Project Team Organization and Resumes
- K. Ground cover O&M
  - a. Soils shall be planted and maintained in perennial vegetation to prevent erosion, manage run off and build soil. Seeds should include a mix of grasses and wildflowers, native to the region of the project site that will result in a short stature prairie with a diversity of forbs or flowering plants that bloom throughout the growing season.*
- L. Assignability
- M. Project Details
  - a. Development Plan
    - i. Provide ownership and operation plan including vendor list
    - ii. Inverter Loading Ratio (ILR) and ability to offer ancillary services
    - iii. Proposed layout
  - b. Development Experience
    - i. Number of facilities owned or operated
    - ii. Number of Projects (including MW size) developed in MISO
  - c. Development and Project Execution Schedule
  - d. Real Property Acquisition Description and Plan
  - e. Tax Benefits
    - i. Safe harbor ITC %
    - ii. Property tax abatement assumptions

- f. Permitting Plan
  - i. *Permitting Plan Note: [Muscatine County](#) has drafted a solar ordinance that should be finalized in the coming months.*
- N. Other Attributes
- O. Grandview Wellfield design information (See exhibit A).

## Section 6: RFP Process Communication

### THE ENERGY AUTHORITY RFP PROCUREMENT SITE

All inquiries and other communications relating in any manner to this RFP will be hosted on the TEA RFP Procurement Platform site for the "MPW Solar" RFP. The site is administered by TEA in its role as acting facilitator for MPW.

Follow the link below to the TEA RFP Procurement Platform:

<https://teamarketplace.azurewebsites.net/>

TEA and MPW make no commitment to respond to other communications received via telephone, fax, text messaging, or other media. Additionally, Respondents may not rely on any oral representation or oral modification made by any TEA or MPW employee, MPW Board Member, or city official. In order to preserve transparency in the process and to assure that all Respondents receive equal consideration, Respondents may not contact any MPW employees, Board Members, or member officials concerning this RFP prior to the proposal deadline. Any such contact could be grounds for disqualification of the Proposal. Following the proposal deadline, MPW contact information and guidance will be provided. On-site meetings may be held following notification of short-list respondents.

### RESPONSES TO INQUIRIES

Any questions by the Respondent must be sent via the [MPWRFP@teainc.org](mailto:MPWRFP@teainc.org) email address. TEA will prepare written responses to questions received and will post the responses (without identification of the party asking the question) on TEA Marketplace. All questions must be submitted via the [MPWRFP@teainc.org](mailto:MPWRFP@teainc.org) email address.

Questions must be formatted as follows:

- Clearly identify specific document reference to which the question pertains, and date
- Clearly identify the document language or section in question
- Sequentially number each question in each submittal

Questions must be submitted timely, and in groups, to allow for proper consideration and response. Questions the Respondent believes to be commercially sensitive or confidential must be individually marked as "Confidential." Questions marked "Confidential" will not be shared with other Respondents unless MPW determines that the question is a general, non-sensitive technical or commercial question.

## SCHEDULE

Below are the RFP milestone dates. MPW reserves the right to adjust dates. Following the submission deadline, all submitters will be notified of date changes via email. In the interim, please refer to the RFP website for the most up-to-date timeline information.

The RFP process will proceed in accordance with the following schedule:

<b>Bid Schedule – Activity</b>	<b>Date/Timeframe*</b>
RFP Announced	3/29/2021
Pre-Proposal Conference	4/7/2021
Notice of Intent to Respond Due	4/9/2021
RFP Response Due	5/1/2021
Successful Short-List Respondents Notification	6/4/2021
Successful Respondent Notification	6/30/2021
Begin Contract Negotiations	July 2021
Guaranteed Commercial Operation Date	12/31/2023

\*Schedule subject to change

MPW reserves the right to revise, suspend, or terminate this RFP process and any schedule related thereto at its sole discretion without liability to Respondents or any other person or entity.

Communications regarding the status of this RFP process, including any changes and addenda to this RFP or attendant schedules, will be made via the TEA Marketplace Procurement Platform.

## PRE-PROPOSAL CONFERENCE

TEA will host a pre-proposal conference call further detailing information requested in the RFP. Preliminary details for the pre-proposal conference will be provided on the TEA RFP Procurement Platform site. Please check the site for any schedule changes or updates. Interested parties and Respondents are encouraged to participate and provide any questions requiring clarification.

**Date:** April 7, 2021

**Time:** 1:00 PM EPT

**Details:** To be posted at TEA Marketplace Procurement Platform

## NOTICE OF INTENT TO RESPOND

In order to identify persons or entities interested in submitting a Proposal, and for those persons or entities to receive any subsequent information distributed in the proposal process, interested parties shall submit, via the TEA RFP Procurement Platform, a Notice of Intent to Respond on or before the time on the Notice of Intent to Respond due date. The fillable form is linked in the

[TEA RFP Procurement Site](#) and can be submitted electronically. Notice of receipt will be sent to the email address provided during the submission process.

## OWNERSHIP OF PROPOSAL DOCUMENTS

The Proposal Documents, unless otherwise designated, are treated as confidential, and are only for the purpose of the Respondents' preparing and submitting a Proposal in response to this RFP. Therefore, we recommend marking all documents as confidential. Proposal documents become the property of TEA and will not be returned, but may be filed and/or discarded by MPW in its sole and absolute discretion.

MPW may enter into Non-Disclosure Agreements with Respondents who receive short-list notification per the RFP schedule. MPW or TEA will provide a template NDA at that time.

## RESERVATION OF RIGHTS AND DISCLAIMERS

Nothing in this RFP constitutes an offer or acceptance by MPW and MPW hereby disclaims any intent for this RFP to constitute a binding contract between MPW and any Respondent. MPW retains the right to determine, in its sole discretion, the value of any or all Proposals. MPW reserves the right to negotiate with a Respondent or Respondents after submission of a Proposal. MPW further reserves the right to negotiate with only the Respondent(s) whose Proposal(s), as MPW determines in its sole discretion, have a reasonable likelihood of being executed, or with no Respondent.

MPW may reject any Proposal that it determines, in its sole discretion:

- Does not meet the minimum requirements set forth in the RFP
- Does not include all required elements under applicable law
- Does not provide required information in a manner that allows effective evaluation
- Is not economically competitive with other Proposals

MPW reserves the right, without qualification and in its sole discretion, to modify, suspend or withdraw this RFP, accept or reject any or all Proposals for any reason at any time after submittal without explanation to the Respondent, or to enter into an Agreement at any time with a Respondent or any other person who, in the sole discretion of MPW, will provide greater overall value to MPW. MPW also reserves the right to contract with other than the lowest price Respondent or with other than the Respondent evidencing the greatest technical ability, if MPW, in its sole discretion, determines that to do so would result in greater overall value to MPW.

MPW, in its sole discretion, may decline to enter into an Agreement with any Respondent and may terminate negotiations with any Respondent at any time during the process.

Those Respondents who submit Proposals do so without legal recourse against MPW, its members, directors, management, employees, agents, or contractors of any of the aforementioned individuals, due to (1) MPW's rejection, in whole or in part, of the Respondent's Proposal; (2) MPW's rejection, modification, delay or withdrawal, in whole or in part, of this RFP; (3) MPW's failure to execute any Agreement or execution of an Agreement with any other person; and (4) any other reason arising out of this RFP. MPW will not be liable to any

Respondent or to any other party, in law or equity, for any reason whatsoever relating to MPW's acts or omissions arising out of or in connection with the RFP process.

Respondents will be liable for all costs associated with the preparation of submission of its Proposal. MPW will not be responsible for any of the Respondent's costs incurred to prepare, submit, or negotiate its Proposal, definitive Agreement, or any other related activity.

## Section 7: Proposal Evaluation and Criteria

### EVALUATION OF PROPOSALS

The objective of this RFP is to identify and procure cost-effective Full-Attribute solar generation for delivery to MPW to help meet the energy goals of MPW and requirements of MISO. Therefore, the evaluation criteria that will be given the greatest consideration are project viability, price and deliverability of the requested projects.

An initial screening for minimum requirements (Sections 3, 4, and 5) will be performed for each Proposal to determine if all required information has been provided and minimum requirements are satisfied. Material deficiencies will disqualify a Proposal from further consideration, and the Respondent will be notified in such event. MPW reserves the right, in its sole discretion, either to reject incomplete or unclear Proposals from further consideration or to contact Respondents for purposes of Proposal clarification.

After the initial Proposal screening, MPW anticipates a two-phase evaluation process in which the Respondents' cost projections, resource characteristics, and other proposed assumptions will be validated.

At the end of Phase One, a smaller list of projects will be determined, at which time Respondents may be requested to supply additional information if necessary. Unsuccessful Respondents will be notified at the end of the Phase One assessment that their Proposals will not be considered further.

Successful Respondents will be notified via the [MPWRFP@teainc.org](mailto:MPWRFP@teainc.org) email address that they have passed to Phase Two of the process, whereupon an additional evaluation will be conducted. Once the successful Respondent(s) from that evaluation have been identified, MPW expects to pursue negotiations to secure resources.

### PHASE ONE EVALUATION

Proposals that have provided the required data and satisfied the minimum Proposal requirements will be passed to Phase One of the evaluation. They will be evaluated individually for both quality and likelihood of achieving successful commercial operation under the terms proposed. Respondents must include sufficient detail for MPW to be able to evaluate all costs associated with the Proposal(s). Respondents should be aware that the evaluation in Phase One is based on both price and non-price evaluations (some of which are detailed below).

## Qualitative Evaluation Process

TEA and MPW will consider a range of factors in the qualitative evaluation process; examples of such are:

- A. Respondent creditworthiness, which includes a respondent's managerial and financial qualifications
- B. Prior relevant projects resume
- C. Respondent's engineering, construction, operating, environmental, and/or ownership team qualifications, as applicable
- D. Commercial viability, maintainability, and maturity of technology
- E. Resource capacity, efficiency, and environmental footprint
- F. Project Location
- G. Operational flexibility characteristics, including limitations on or financial consequences of curtailments, maintenance scheduling, or operational parameters
- H. Project engineering plan
  - a. Operations and maintenance plan for the Project
  - b. Description of the generation technology type
  - c. Identification of the major equipment supplier(s) to be used for the Project
  - d. Product and equipment warranty protections
- I. Electrical interconnection path/plan
  - a. Interconnection type
  - b. Assessment of Respondent's transmission capability/deliverability analysis to deliver power to either MPW's designated load node, AD Hub, or Project Busbar and if Respondent proposes to address potential transmission constraints
  - c. Respondents willingness to be responsible for all transmission arrangements and costs
- J. Project development and permitting status, including any potential for delay as the result of a Respondent's need for regulatory actions or approvals or for permitting, licensing, MISO study process, or transmission interconnection
- K. Resource ownership & management structure
- L. Disclosure of violations such as environmental violation

## Quantitative Evaluation Process

TEA and MPW will rank and score all Proposals from a cost standpoint. The quantitative screening consists of measuring each Proposal's total cost impact, examples include:

- A. Transmission costs, including generation interconnection
- B. Response to market-based rules and treatment of resource
- C. Congestion and Delivery Costs

### **We recommend submitting multiple delivery options**

- Cost to manage MISO market-congestion-basis-risk from the Project to MPW's load
- Expected MISO congestion cost based on existing topography and potential additions from the MISO Interconnection Queue

- Costs of risk premiums related to local delivery
- D. Price and market impacts
  - Effects of increased injections on transmission grid based on MISO Interconnection Queue
  - Relationship between expected LMP at delivery and contract price, with or without escalators
- E. Relationship between cost and value of included attributes such as capacity and RECs
- F. Other system benefits or costs, including a value-of-solar-attributes price adjustment and the impact to system losses
- G. Financial and credit risk impacts to MPW, including debt imputed by credit rating agencies, capital structure, and financial statements
- H. Any additional costs that are required, but not provided for in the Proposal
- I. Capacity and Efficiency metrics
- J. Financial implications of accounting and tax treatment

Proposals are scored and ranked based on minimizing the delivered cost of capacity and energy. Proposals with a low total delivered cost will receive a higher score. Factors to consider include, proposed pricing, commercial terms, asset location, all associated electrical and transmission delivery costs, and electrical losses. For the avoidance of doubt, MPW and TEA reserve the right to include additional factors in the qualitative and quantitative evaluations. The Phase One Evaluation will be completed with the notification of one or more short-listed Respondents, if any. MPW reserves the right to skip the short list and proceed directly to negotiations with a preferred Respondent. Respondents should not assume they will have an opportunity to provide a best and final offer and should provide their best terms with their initial Proposal.

## PHASE TWO EVALUATION

Following the initial qualitative evaluation, short-listed Proposals will be further evaluated by TEA to include credit quality, price and non-price factors, locational benefits, and overall value of energy supply. A Proposal's score from the qualitative evaluation will be combined with a quantitative score to produce a ranked short-list. From the final set of short-listed Proposals, the preferred alternative or combination of alternatives will be selected. MPW may choose to evoke a "runner-up" clause so if, for any reason, the chosen proposer becomes ineligible, the "runner-up" may become the de facto provider. This minimizes time and cost and preserves MPW's investment.

## CONTRACTUAL CONSIDERATIONS

### INSURANCE

The successful Respondent will be required to maintain, at a minimum, standard insurance coverages for workers' compensation, commercial general, employer's and automobile liability, and umbrella excess liability. Respondents are requested to define the assumed insurances and levels in the Proposal. Specific insurance requirements of MPW will be addressed as part of the evaluation and negotiation of the Agreement.

### COMMERCIAL TERMS AND CONDITIONS

Commercial terms and conditions will be negotiated with the Respondents selected to be on the final short list for this RFP. All Proposals will represent a firm offer to contract on the terms and conditions included in this RFP. Each representation of fact and promise of future performance within a Proposal will be incorporated into the Agreement as a warranty or covenant. Any statement of fact or promise of future performance that is not intended by the Respondent as a warranty or covenant should be clearly identified.

## AWARD

MPW reserves the right to reject any and all Proposals. Prior to awarding a Proposal, MPW may have discussions with Respondents whose Proposals are under consideration.

Negotiations arising out of the Proposals may be conducted with any or all Respondents at MPW's sole discretion. Winning Respondents will be expected to enter into an Agreement within a reasonable period of time following the award of the Proposal. MPW will have no obligation to accept any Proposal submitted pursuant to this RFP. Whether, and on what terms, any Proposal is accepted is within MPW's sole discretion.

## Exhibit A: Wellfield Site

### Grandview Wellfield Site Overview

MPW owns an approximately 230-acre wellfield that is near the MPW owned Grandview substation. The site is conducive to solar because it is contiguous, flat, and has very few obstructions to its view of the sun. However, the land use requirements are less than ideal due to setbacks around existing and planned infrastructure at the wellfield. Other considerations of this site include its position in a flood plain protected by an accredited levee system (System ID [5105220001](#)) and that it could potentially require a glare study due to the proximity of the local Muscatine Municipal Airport ([KMUT](#)).

### Grandview Wellfield Site Proposals

MPW requests proposals for a PPA at this site location. MPW will nominally interconnect/enter the MISO Generator Interconnection (GIA/DPP) queue on behalf of the project. MPW also requests an optional bid from interested respondents for a detailed design and major equipment furnish (design-furnish) contract. A construction estimate is required alongside this optional bid; however, due to Iowa code, any construction contract is required to go through a completely separate competitive bid and award process. Please note that it is allowable for each contract to be awarded to the same party through these separate processes.

### Grandview Wellfield Site Assumptions

The developer is responsible for everything up to and including all new step-up transformers necessary to interconnect the project, with MPW responsibility starting at the high side of the last new step-up transformer. MPW will complete the interconnection to its system from that point.

A transmission level (69 kV) interconnection would occur at the Grandview Substation 69 kV bus and a reasonable attempt should be made to place a collector substation near the Grandview Substation.

A distribution level (13.8 kV) interconnection will require refinement of the project layout with MPW at a later phase to ensure inverters are positioned and aggregated near the appropriate distribution feeders. The information required for this refinement will not be provided until a later stage as it requires providing protected information.

### Grandview Wellfield Site Required Submission Data

A 69 kV interconnection will be required to go through the MISO GIA/DPP queue. The following required data should be as representative of a final design as possible. This information may be used by a technical consultant to produce the detailed inputs needed for the MISO GIA/DPP queue application in the event the selected developer is unable to provide these by the July 22<sup>nd</sup> 2021 deadline. Additional data will also be required for design-furnish contract proposals so that MPW's technical consultant may provide a construction estimate independent of the respondent's.

Data required for all design-furnish proposals (at either voltage), and any PPA proposals interconnected at 69 kV:

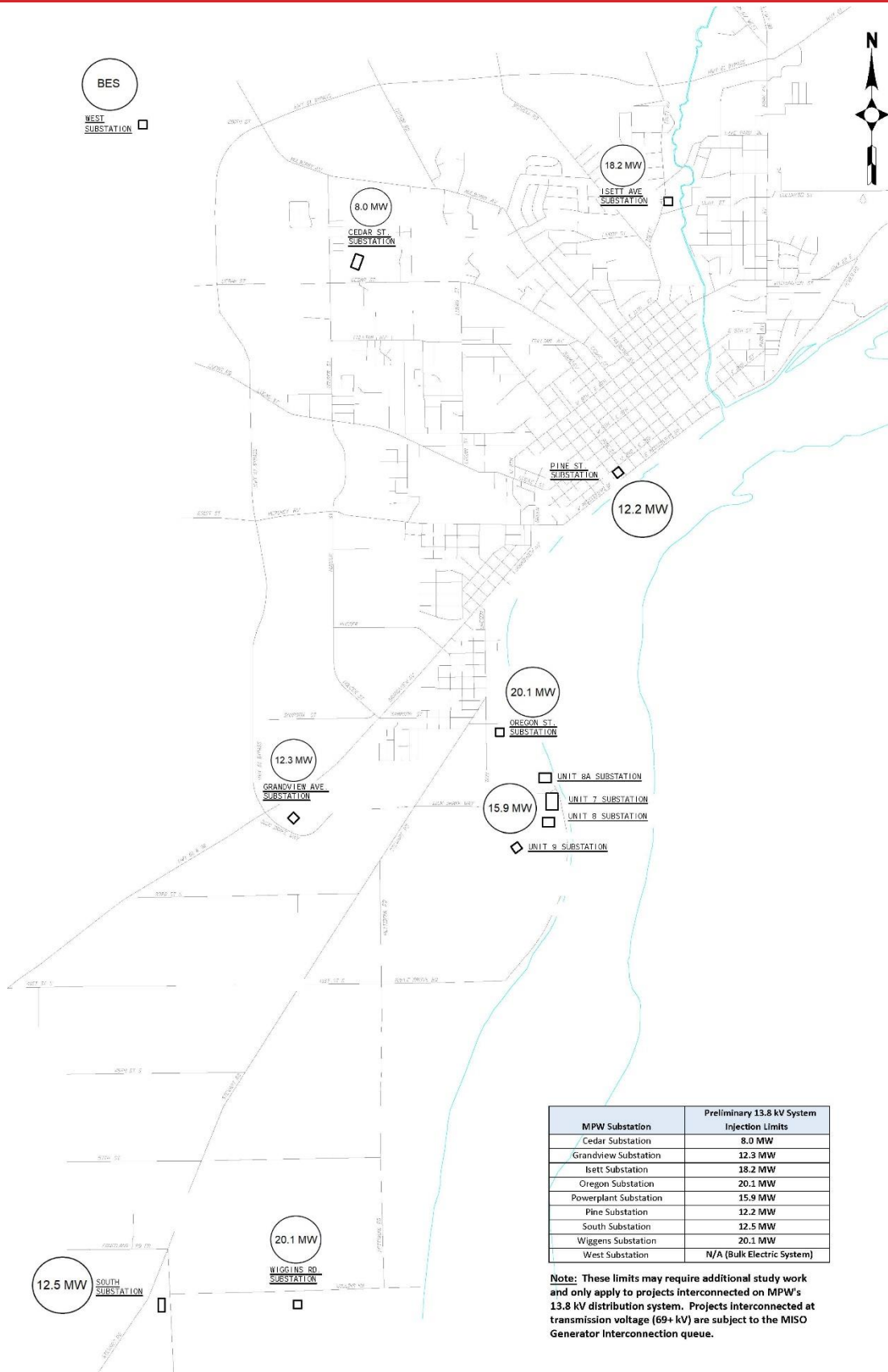
- Proposed Layout with inverter locations

- Preliminary 1 line
- Inverter make and model
- Collector substation equivalencies (looking toward the collective renewable generation facility) in per-unit impedance and output

The below additional information is also required for all design-furnish proposals:

- Inverter capacity and count
- Details of proposed rack (manufacturer, string length)
- DC system voltage
- Module data sheet(s) (and percentage of each type if multiple.)
- DC side capacity (or total number of modules)

## Exhibit B: Substation Topology



## Exhibit C: Wellfield Setbacks

