

**NOTICE
INVITATION TO BID**

**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
FOR**

**ELECTRICAL POWER DISTRIBUTION AND PHOSPHORUS REMOVAL
IMPROVEMENTS
AT THE KIRIE WATER RECLAMATION PLANT
DES PLAINES, ILLINOIS**

CONTRACT 23-379-3E

PROPOSALS ARE DUE TUESDAY, NOVEMBER 11, 2025

Sealed proposals, endorsed as above, will be submitted back to the District via an electronic upload to the Euna Portal only, from the date of the Invitation to Bid, up to 11:00 A.M. Central Time (“CT”), on the bid opening date, and will be opened publicly by the Director of Procurement and Materials Management or designee at 11:00 AM CT on Tuesday, November 11, 2025. The public cannot attend but can view the bid opening at <https://mwrld.org/bid-opening>.

No bids will be accepted after 11:00 AM CT on the above scheduled bid opening date. All bids faxed, mailed, emailed, or hand delivered will not be considered and will be returned to the Bidder. There is no bid depository safe available for mailing or hand delivering bids. The District will only accept bids electronically uploaded to the Euna Portal (please see instructions on how to upload the bid response on pages Euna-1 and Euna-2). Please see specific instructions on how to upload your bid to the Euna Portal in the bid document entitled “Submission via the Euna Portal.” Bids will be deemed non-responsive if not submitted using the Euna-project specific URL link, provided by the District with the bidding documents.

Specifications, proposal forms and/or plans may be obtained from the Department of Procurement and Materials Management by downloading online from the District's website at www.mwrld.org (Doing Business→Procurement & Materials Management→Contract Announcements). No fee is required for the Contract Documents. Any questions regarding the downloading of the Contract Document should be directed to the following email: contractdesk@mwrld.org or call 312-751-6643.

Tenders are invited to provide all necessary labor, supervision, tools, equipment, materials and appurtenances to complete the following:

- A. The work at the Kirie Water Reclamation Plant (KWRP) is as follows:
 - 1. Demolish switchgears M11 North, M11 South and their metal shack housing enclosure. Replace it with a new switchgear system with substation batteries, lighting transformers and other auxiliary equipment with various monitoring and control DCS I/O points.

2. Construct a new Pre-Engineered Metal Building (PEMB) to accommodate the new M11 switchgear, substation batteries, and other auxiliary equipment. New steel exterior materials and finishes will be selected to complement existing face brick masonry context and aesthetic of the Kirie Water Reclamation Plant (KWRP):
 - a. The new building shall have two (2) rooms (Switchgear Room and Battery Room).
 - b. The new building construction will be built over the existing vault.
 - c. Provide new foundation for the PEMB.
 - d. Provide two (2) new wall-mounted air conditioning units with heating capability, to operate independently of one another, to serve the Switchgear Room of the new building. Each unit will be provided with its own thermostat.
 - e. Provide two (2) new wall-mounted air conditioning units with heating capability, to operate independently of one another, to serve the Battery Room of the new building. Each unit will be provided with its own thermostat.
 - f. Install new lighting, required utilities, and required safety systems in new electrical building.
 - g. Install new foundation drain system and building drain cleanouts.
 - h. Construct concrete sidewalk and restore existing grading and landscaping to ensure proper rainfall drainage.
 - i. The temporary wall(s) of the PEMB will be designed to temporarily accommodate Contractor and District sequencing for shutdowns including removal and installation of electrical equipment per Electrical and Structural Contract Documents.
 - j. Fiberglass reinforced polyester (FRP) flush personnel doors without vision lite panels, FRP doors frames and door hardware as approved per District KWRP Maintenance & Operations (M&O) for an Electrical Process Facility are per Contract Documents.
 - k. Provide a minimum clear (14) fourteen feet interior building height.
 - l. Roofing System shall be part of PEMB system, compliant with current State of Illinois Energy Conservation Code (IECC) for code-minimum thermal energy performance.
 - m. Provide interior light weight reinforced Concrete Masonry Unit (CMU) demising partition wall between separate Switchgear Room and Battery Room.
 - n. The new building shall have 2 wall mounted Type (BC) Fire Extinguisher and 1 CO2 Fire Extinguisher.
 - o. The new building shall have a wall mounted Powerheart G5 AED.
3. Replace MCC-P21, MCC-P21E, MCC-P22, MCC-P22E, MCC-P23 in the Influent Pump Station Building. Connect new MCC Power Monitors to the DCS.
4. Replace MCC-P31, MCC-P31E, MCC-P33 in the Pre-treatment Building. Connect new MCC Power Monitors to the DCS.
5. Replace the protective relays for Switchgears H21 and H22 in the Influent Pump Station Building.
6. Replace the protective relays for Switchgears H71 and H72 in the Blower Building.

7. Replace ground fault detectors for Motor Control Centers P101, P101E, P41, P41E, P42, P42E, P43, P44, P45, P61, P61E, P62, P62E, P63, P63E, P64, P71, P71E, P72, P73, P74, P75, P77, P78, P81, P81E, P82, P83, P84, P85, P86.
8. Furnish and install power and controls for the Enhanced Biological Phosphorus Removal (EBPR) System.
9. Furnish and install power and control wiring for the replacement of existing instruments and new additional instruments located at the aeration and post aeration tanks.
10. Provide erosion control, street cleaning and silt protection for existing structures during construction.
11. Remove existing MWRD Construction trailer as part of mobilization and install contractor's field trailer in the same location using available utility hook-ups.
12. Enhanced Biological Phosphorus Removal (EBPR) System Work:
 - a. Demolish existing baffle walls, piping, and other existing equipment in order to allow the construction of the new EBPR system. For the new system, there will be an anaerobic/fermentation zone, followed by a swing zone, in the first pass of each aeration tank in Battery A (i.e. aeration tanks A1, A2, A3, A4, A5, and A6).
 - b. Furnish and install fiberglass-reinforced polyester plank baffle wall systems in aeration tanks A1 through A6 in Battery A.
 - c. Furnish and install a compressed gas mixing system (Biomix, manufactured by EnviroMix) for the anaerobic/fermentation zones and swing zones. For the anaerobic/fermentation zones in tanks A5 and A6, there is an existing compressed gas mixing system by EnviroMix; use the existing piping, nozzles, etc. and tie them into the overall new mixing system. Demolish existing Biomix equipment (examples: valve module, human-machine interface) that will not be used in the new system.
 - d. Demolish twenty-four (24) 4-inch globe valves on low pressure piping at the swing zones of aeration tanks A1 through A6. Furnish and install twenty-four (24) actuated 4-inch globe valves with neck extensions to replace the existing valves. Replace 4-inch drop piping if needed and directed by the Engineer.
 - e. Furnish and install power for all equipment including the compressed gas mixing system and actuated globe valves.
 - f. Furnish and install power and connection to DCS for all equipment including the compressed gas mixing system and actuated globe valves.
 - g. Furnish and install conduit, feeder cables, control cables, distribution power panels, transformers, control panels, disconnect switches, junction boxes, etc. as shown on the Contract Plans.
13. Process Instrumentation:
 - a. Demolish existing process control instruments and appurtenances. Instruments include, but are not necessarily limited to, orthophosphate analyzers, dissolved

oxygen probes, ammonium/nitrate probes, oxidation reduction potential probes, suspended solids probes, and turbidity sensor.

- b. Furnish and install new process instruments and appurtenances. Instruments include, but are not necessarily limited to, phosphate analyzers, dissolved oxygen probes, ammonium/nitrate probes, oxidation reduction potential probes, suspended solids probes, and turbidity sensor. Furnish and install additional heated and ventilated fiberglass reinforced plastic enclosures for the orthophosphate analyzers.
- c. Furnish and install power and connection to DCS for all process instrumentation.
- d. Furnish and install conduit, feeder cables, control cables, distribution power panels, transformers, control panels, disconnect switches, junction boxes, etc. as shown on the Contract Plans.

B. Coordinate with ComEd for the following work:

- 1. Decommissioning of the utility side 34.5kV Automatic Transfer Switch (ATS).
- 2. Testing/commissioning of the new customer provided ATS and switching relays at the M11 Building.
- 3. Grounding the secondary side of the four ComEd transformers.
- 4. Replacement of medium voltage (12.47kV) cables from four ComEd transformer secondaries to the new M11 switchgear. The replacement will use existing concrete duct backs.
- 5. Arrange outages and re-energization of 12.47kV power feeds to M11 switchgear.

C. This section describes the basic engineering design criteria for the following work at Majewski Reservoir:

- 1. Coordinate with ComEd as necessary to perform the Majewski Reservoir arc flash mitigation and feeder modification work.
- 2. Demolish a portion of the existing 480V main underground feeder conduit between the Majewski Control Building and the ComEd transformer. Pull/remove all the remaining cable in the un-demolished portion of the feeder conduit.
- 3. Install a new outdoor switchboard panel on the exterior wall of the Majewski Control Building.
- 4. Intercept the remaining portion of the main underground feeder conduit to connect the new switchboard to the ComEd transformer. Using the intercepted underground conduit, new cables shall be installed all the way from the transformer to the switchboard. No splicing of the feeder cable is allowed.
- 5. Using the new switchboard panel as the new source, provide new conduit and cables to connect power to the existing MCCs in the Majewski Control Building.

PERFORM OTHER WORK AS SPECIFIED IN THE SPECIFICATIONS AND AS SHOWN ON THE PLANS.

The sites of the proposed work are at the Kirie Water Reclamation Plant, 701 Oakton Street, Village of Des Plaines, County of Cook, State of Illinois and at the Majewski Reservoir, 2550 E Higgins Rd, Village of Elk Grove, County of Cook, State of Illinois.

Funding of all contract items is subject to the Board of Commissioners' approval of the budget for those years.

The estimated cost of this Contract is between **\$22,309,150.00 and \$27,005,813.40.**

The bid deposit for this proposal is (SIX HUNDRED THOUSAND DOLLARS AND ZERO CENTS) \$600,000.00.

Further, the District assumes no liability or responsibility for the failure or inability of any Bidder to successfully download any and all contract documents, including but not limited to specifications, proposal forms and/or plans, as a result of any type of technological computer and/or software system failure or breakdown that restricts, prohibits or prevents successful downloading of any and all District contract documents by the Bidder, whether caused by the District or other parties, directly or indirectly.

If any potential Bidder contemplating to submit a proposal is in doubt as to the true meaning of any part of the specifications or other contract documents, such inquiry should be submitted online at the District's website, www.mwrd.org. The path is as follows: Doing Business➔Procurement and Materials Management➔Contract Announcements. The District will provide an online response to such inquiries, as the District deems appropriate. Strings of appropriate questions and answers regarding the bidding documents will be available online on the District's website until the bid opening date of the bidding documents. No questions will be accepted by telephone, fax, email, mail, or any other such form of delivery.

The District will only respond to questions received online up to ONE WEEK prior to the bid opening date of the bidding documents. The District will not respond to questions received after this date. The District does not guarantee the timeliness of responses provided online, nor does the District guarantee that such responses will be provided in adequate time to affect the submission of bids. The District shall provide responses online ONLY if the responses do not interpret or otherwise change the bidding documents.

The District's responses online are NOT official responses and, therefore, are not binding to the bidding documents. Any official interpretation or change to the bidding documents will be made only by addenda duly issued to all plan holders on record by the Director of Procurement and Materials Management.

Bidding documents are only available online, and all addenda issued for this contract will be available online at the District's website, www.mwrd.org. The path is as follows: Doing Business➔Procurement and Materials Management➔Contract Announcements. A copy of such addenda will also be emailed/faxed to each person which downloads a set of such contract documents.

Failure on the part of the prospective Bidder to receive a written interpretation prior to the time of the opening of bids will not be grounds for withdrawal of proposal.

Each proposal must be accompanied by a bid deposit in the form of a bid bond in the amount of **(SIX HUNDRED THOUSAND DOLLARS AND ZERO CENTS) \$600,000.00**. Each bid bond must be underwritten by a surety licensed to do business in the State of Illinois, listed in the latest copy of the Federal Register and approved by the Director of Procurement and Materials Management. The bid bond must contain signatures from the Bidder and Surety Company. Failure to provide signatures on the bid bond will result in the rejection of the bid. Photographic and/or stamped signatures are acceptable. Any proposal submitted without being accompanied by the required bid deposit, in the aforesaid form, will not be considered and will not be read after it is publicly opened.

Prior to award of the contract, the lowest responsible Bidder must demonstrate compliance with the District's 2017 Multi-Project Labor Agreement ("MPLA") by submitting to the Director of Procurement and Materials Management a signed Certificate of Compliance with the Multi-Project Labor Agreement. The Agreement and Certificate of Compliance are contained in the Contract Documents.

The bid money value of all materials purchased directly by the Contractor, together with the bid money value of all work performed by personnel and facilities provided directly by the Contractor, shall not be less than 25% of the money value of all work performed under this Contract. Any bid money value of work performed by the Subcontractors for work on the job site utilizing Subcontractors' materials, labor and facilities cannot be included in the percent of work to be completed by the Contractor.

Each Bidder must submit with their proposals a signed and completed MBE/WBE Utilization Plan which lists each business intended to be used as a MBE and WBE on pages UP-2 and UP-3 and supplemental pages as necessary. The Bidder must sign the Signature Section page on UP-4. Failure to submit a signed MBE/WBE Utilization Plan will result in a bid being deemed non-responsive and the bid will be rejected. Also, if a Waiver is sought, the Bidder is required to sign pages UP-4 and UP-5, which is the Waiver Request Form; failure to do so will be viewed as non-responsive and the bid will be rejected.

Each Bidder must submit with their bid package an original or facsimile copy of the MBE/WBE Subcontractor's Letter of Intent, page UP-6 for each subcontractor listed on their MBE/WBE Utilization Plan. The submitted MBE/WBE Subcontractor's Letter of Intent must be completed and signed by the subcontractor and accompanied with a copy of the subcontractor's current Letter of Certification from a state, local government or agency or documentation demonstrating that the subcontractor is a MBE or WBE within the meaning of the Affirmative Action Ordinance, Revised Appendix D. Failure to submit the MBE/WBE Utilization Plan signed by the Bidder at the time of the bid opening and the MBE/WBE Subcontractor's Letter of Intent signed by each MBE and WBE will be viewed as non-responsive and the bid will be rejected.

If the Bidder exceeds the allowable Supplier Utilization amount which is stated in the bid documents, the bid will be viewed as non-responsive. Therefore, the Bidder may not exceed the use of a MBE or WBE supplier for more than 50% of each respective MBE or WBE, goal, unless the Administrator has authorized a Supplier's Exception notated on page AU-I.

Each Bidder must submit with their proposals a completed VBE Commitment Form which lists each business intended to be used as a VBE. The Bidder must make a “Good Faith Effort” to identify eligible Veteran Owned-Businesses by completing the VBE Commitment Form. If the Bidder is unable to identify qualified VBE subcontractors capable of providing goods or services required by the contract, the Bidder must write “no participation” on the VBE Commitment Form. Where a Bidder has failed to meet the VBE participation goal, the Administrator shall require the Contractor to submit a Veteran’s Business Enterprise Good Faith Efforts Documentation Request Form and provide additional documentation of its good faith efforts in attempting to fulfill the VBE goal.

The Contractor must use the District’s online compliance monitoring system administered by the Diversity Section for payment and reporting purposes, in order to fulfill the Affirmative Action Program requirements.

The MBE/WBE Utilization Plan MUST be signed by the bidder, even if the bidder requests a waiver and/or offers itself to meet any of the Affirmative Action Ordinance Revised Appendix D goals. If the bidder offers itself to satisfy any of the Affirmative Action Ordinance Revised Appendix D goals, then its name shall be shown in the appropriate space(s) on the MBE/WBE Utilization Plan.

Where a Bidder is a business owned and controlled by a minority woman (M/WBE), or where the Bidder utilizes an M/WBE in a joint venture or as a subcontractor, the Bidder may count the M/WBE participation toward the achievement of either its MBE or WBE goal, but not both.

Each Bidder’s Utilization Plan must commit to MBE and/or WBE participation equal to or greater than the associated goals unless the Bidder indicates a partial or total waiver request on page UP5. If a waiver from Appendix D requirements is sought, the Bidder will be required to provide documentation of “Good Faith Efforts” to meet the Appendix D utilization goals, as defined in Section 15(e) of the Affirmative Action Ordinance Revised Appendix D. Subsequent to the bid opening, and if it is determined by the Diversity Administrator that a Contractor’s Information Form is required from the apparent low Bidder, the Bidder must complete and submit the form with (3) calendar days of receiving the written request.

The work under this Contract is classified as “Electrical” for the MBE, WBE and VBE utilization goals contained in the Affirmative Action Ordinance Revised Appendix D and Appendix V. The associated goals are 13% Minority-owned Business Enterprises (MBE), 7% Women-owned Business Enterprises (WBE), and 3% Veteran-owned Business Enterprises (VBE). Should you have any questions, please contact the Diversity Office at 312-751-4035. The MBE, WBE and VBE goals do not apply to the portion of the work identified in the contract as Allowance Items, Contingency Items and Unit Price Items nor to the portion of the work assigned to the DCS manufacturer (Emerson) in the amount of \$984,743.00.

The Voluntary Technical Pre-Bid meeting will be held online via a Zoom meeting on Wednesday, 10/29/2025, at 9:00 A.M. CT. The link to the Zoom meeting is attached in a separate Word document under the “Additional Documents” column on the District’s website at mwrdd.org (Doing Business→Procurement & Materials Management→Contract Announcements→(Find correct project)→Bidding Documents). The purpose of the Voluntary Technical Pre-Bid meeting is to review the scope of work, to provide for identification and discussion of potential problems

that might arise during the administration of this Contract and seek clarification of technical or procedural aspects of this Contract. There will be a Q&A session at the end of the meeting. Also, suppliers must give their contact information to register prior to entering the Zoom Pre-Bid meeting.

Bidders are STRONGLY URGED to inspect all areas of the work sites, prior to bidding, to familiarize themselves with the nature of the work and the method of accomplishing the same. **A voluntary Pre-Bid Walk-Through will start on Tuesday, 10/28/2025, at 9:00 A.M. CT** in the lobby of the Administration Building at the Kirie Water Reclamation Plant, 701 Oakton Street, Des Plaines, IL and then proceed to Majewski Reservoir, 2550 E Higgins Rd, Elk Grove Village, IL. Attendees are advised to bring a hard hat and appropriate footwear for an industrial type of facility and a current business card. Bidders are encouraged to give themselves enough time to clear security. Bidders are reminded that no questions will be taken during any site inspections. The District's website (www.mwrd.org) will be used for addressing any questions, as indicated in the Invitation to Bid documents for this Contract. The path is as follows: Doing Business → Procurement & Materials Management → Contract Announcements → (Find correct project) → Ask a Question.

The contact person for this contract is Mr. Eric Carlton. This contact person will provide online responses to online inquiries.

Bidders should read the bidding requirements set forth on pages R-1 through R-6, and in particular page R-2, Paragraph 6, in regard to questions on this Contract.

All Contracts for the Construction of Public Works are subject to the Illinois Prevailing Wage Act (820 ILCS 130/0.01 et seq.)(the "Act"). Note that submission of certified payroll records when requested by the District's Affirmative Action Administrator in accordance with Section 14(b) of the District's Affirmative Action Ordinance does not relieve a contractor of its obligation to submit certified payroll records to the Illinois Department of Labor pursuant to the Act.

The contract will be awarded to the lowest responsible, responsive Bidder, unless all bids are rejected.

The Metropolitan Water Reclamation District of Greater Chicago reserves the right to reject any or all Proposals.

Metropolitan Water Reclamation District
of Greater Chicago

By Darlene A. LoCascio
Director of Procurement and
Materials Management

Chicago, Illinois
October 08, 2025