



Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street
Chicago, IL 60611

Legislation Text

File #: 20-0753, **Version:** 1

TRANSMITTAL LETTER FOR BOARD MEETING OF SEPTEMBER 17, 2020

COMMITTEE ON PROCUREMENT

Mr. Brian A. Perkovich, Executive Director

Authority to advertise Contract 19-542-3M Central Boiler Facility and Electrical Updates, Hanover Park Water Reclamation Plant, estimated cost between \$12,083,000.00 and \$14,627,000.00, Account 401-50000-645650, Requisition 1548108

Dear Sir:

Contract documents and specifications have been prepared for Contract 19-542-3M Central Boiler Facility and Electrical Updates, Hanover Park Water Reclamation Plant (WRP).

The purpose of this contract is to remove the existing five hot water boilers in the Digester Complex Building (DCB) and two hot water boilers in the Pump and Blower House No. 2 (PBH2) and provide the new Central Boiler Facility (CBF) with five hot water boilers with associated pumps, piping and controls. The CBF will provide hot water for both process and HVAC needs within the plant.

The project consists of the following:

A. Digester Complex Building

1. Remove five hot water boilers and other process equipment and modify hot water piping for the sludge heat exchangers.
2. Upgrade electrical systems, including fire alarm systems, to comply with NFPA 820. Install walls to provide unclassified areas and install electrical and controls equipment.
3. Remove polymer mixing unit and provide new polymer mixing unit in new unclassified area.

B. Pump and Blower House No. 2

1. Remove two hot water boilers, associated pumps, piping, electrical and controls equipment.
2. Remove two primary filter houses and one secondary filter house.
3. Modify existing power feed system to the PBH2.

C. Central Boiler Facility

1. Provide new CBF, including all structural, architectural and civil works.
2. Provide five boilers (three co-firing boilers and two natural gas boilers) and associated digester gas, natural gas, water piping, mechanical, electrical and controls equipment.
3. Provide plate heat exchangers for process heating, plant heating and associated pumps, piping, supports, electrical and controls equipment.
4. Provide a fire sprinkler system to meet the Village of Hanover Park's building ordinance.

D. Miscellaneous Work

1. Excavate and rebuild existing drainage ditch outside the DCB and the CBF.
2. Modify existing and provide new driveways and culverts outside the DCB.
3. Relocate Nicor gas meter for the CBF.
4. Provide temporary electrical power supply, as required, during the electrical duct bank installation and commissioning.
5. Provide prefabricated Engineering Field Offices for the District Construction staff at Kirie and Hanover Park WRPs.
6. Replacement of roof at Webster Avenue Aeration Station.

It is estimated that 147 jobs will be created or saved as a result of award of this contract with an estimated 33,692 man-hours of skilled trades utilized.

The estimated cost for this contract is between \$12,083,000.00 and \$14,627,000.00. The cost range will be stated in the advertisement for bids.

The bid deposit for this contract is \$600,000.00.

The contract specifications require that all work commence 30 days after approval of the contractor's bond and shall be completed within 1,000 calendar days after approval of the contractor's bond. Liquidated damages are \$1,000.00 for each calendar day that the contractor is in default of the time specified for failing to achieve substantial work completion and \$200.00 for each calendar day that the contractor is in default of the time specified for completion of the entire work.

An IEPA Construction Permit is not required for this project.

The Multi-Project Labor Agreement will be included in this contract.

The Affirmative Action Ordinance, Revised Appendix D will be included in this contract. The type of work to be performed under the contract is within the "Mechanical" category for establishing Minority-owned Business Enterprises (MBE), Women-owned Business Enterprises (WBE), Small Business Enterprises (SBE) and Veteran-owned Business Enterprises (VBE) utilization goals. The MBE, WBE, SBE and VBE utilization goals for this contract are: 20 percent MBE, 9 percent WBE, 10 percent SBE, and 3 percent VBE.

The tentative schedule for this contract is as follows:

Advertise	September 30, 2020
Bid Opening	November 10, 2020
Award	December 17, 2020
Completion	September 26, 2023

Funds are available in Account 401-50000-645650.

In view of the foregoing, it is recommended that the Director of Procurement and Materials Management be authorized to advertise Contract 19-542-3M.

Requested, Catherine A. O'Connor, Director of Engineering, ECB:LMK
Recommended, Darlene A. LoCascio, Director of Procurement and Materials Management
Respectfully Submitted, Barbara J. McGowan, Chairman Committee on Procurement
Disposition of this agenda item will be documented in the official Regular Board Meeting Minutes of the Board of Commissioners for September 17, 2020

Attachment