

COMMISSION FILE NO: 26-088-7 **DATE INTRODUCED:** July 13, 2026

INTRODUCED BY: Executive Director (Signature on File in the Office of the Commission)

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Award of Contract C03014C01, Greenfield Park and Underwood Creek Pump Stations Upgrades

SUMMARY:

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract C03014C01, Greenfield Park and Underwood Creek Pump Stations Upgrades, to J.F. Ahern Company, Inc., (Ahern) in the amount of \$11,080,000. Ahern was the lowest responsible, responsive bidder between two bids received.

The Greenfield Park and Underwood Creek Pump Stations were constructed in 1981 and 1984 to provide wet weather protection to the local communities of Wauwatosa, Elm Grove, Brookfield, and New Berlin. The Greenfield Park Pump Station is in Greenfield Park, east of S. 124th Street, south of W. Greenfield Avenue. The Underwood Creek Pump Station is located on W. Underwood Parkway, north of W. Bluemound Road. These pump stations operate during wet weather events by pumping sanitary sewer flow through a force main to a large diameter District sewer to prevent upstream sanitary sewer overflows (SSO's) and basement backups. Failure of these pump stations during a wet weather event would increase the risk of SSO's and basement backups.

In 2021, District and Veolia Water Milwaukee staff performed condition assessments of the pump stations and identified various equipment in need of rehabilitation or replacement. The Greenfield Park Pump Station is equipped with four 3,700-gallon-per-minute (GPM) pumps, while the Underwood Creek Pump Station is equipped with five 5,900-GPM pumps. All pumps are original to the pump stations and are over 30 years old. These assessments determined that the pumps and associated valves had three to five years of remaining service life, and other mechanical, electrical, and instrumentation and control equipment had reached the end of its service life.

ATTACHMENTS: **BACKGROUND** ☐ **KEY ISSUES** ☐ **RESOLUTION** ☒
FISCAL NOTE ☒ **SBE** ☒ **OTHER** ☐ _____

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COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract C03014C01, Greenfield Park and Underwood Creek Pump Stations Upgrades

Staff developed Project C03014 to rehabilitate or replace equipment within the pump stations to ensure continued reliable operation of the pump stations, restore the service life of equipment, upgrade functionality, improve performance, decrease operation and maintenance costs, and increase energy efficiency.

Under a separate engineering contract, the District completed the engineering design, developed construction bid documents, and publicly bid the resulting construction contract, Contract C03014C01.

Under the proposed Contract C03014C01, Ahern will:

- Refurbish four pumps at Greenfield Park Pump Station and five pumps at Underwood Creek Pump Station.
- Replace two existing variable frequency drives (VFD's) and two soft starts with four new 150-horsepower (HP) VFD's at Greenfield Park Pump Station. VFD's control pump speed and provide smoother startup, which helps reduce equipment stress and better match pumping capacity to flow conditions.
- Replace two existing VFD's and three soft starts with five new 300-HP VFD's with harmonic filters at Underwood Creek Pump Station. Harmonic filters help protect electrical equipment by reducing electrical distortion from the VFD's.
- Replace automated and manually operated sluice gates, isolation valves, check valves, pump discharge control valves, force main/header drain valves, associated piping, potable water lines, plumbing drain lines, air compressor systems, compressed air piping, and electrical switchgear at both pump stations, as applicable.
- Install new electrical unit heaters, portable dehumidifiers, and hazardous gas alarms at both pump stations.
- Convert existing fluorescent lights to light-emitting diode lights and alter heating, ventilation, and air conditioning (HVAC) ducts and HVAC controls at both pump stations.
- Install a new 500-kilowatt (KW) diesel emergency generator at Greenfield Park Pump Station and replace the existing 1,250-KW diesel emergency generator at Underwood Creek Pump Station with a new 1,000-KW diesel emergency generator.
- Install watertight doors and removable flood panels at Underwood Creek Pump Station.

The duration of this contract is 924 days.

RESOLUTION

Award of Contract C03014C01, Greenfield Park and Underwood Creek Pump Stations Upgrades

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract C03014C01, Greenfield Park and Underwood Creek Pump Stations Upgrades, is awarded to J.F. Ahern Company, Inc., in the amount of \$11,080,000, and that the Executive Director is directed to execute a contract on behalf of the District.