

COMMISSION FILE NO: 17-019-2 **DATE INTRODUCED:** February 13, 2017

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 P01005C02, Interplant Sludge System Improvements – Jones Island and South Shore Water Reclamation Facilities Interplant Sludge Pump Stations Valves Replacement

SUMMARY:

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract P01005C02, Interplant Sludge (IPS) System Improvements – Jones Island and South Shore Water Reclamation Facilities Interplant Sludge Pump Stations Valves Replacement, to J.F. Ahern Co. in the amount of \$189,500. J.F. Ahern Co. was the lowest responsible, responsive bidder among three bids received.

The IPS system allows for the transfer of biosolids between the Jones Island Water Reclamation Facility (JIWRF) and the South Shore Water Reclamation Facility (SSWRF). The IPS system is critical for processing biosolids and producing Milorganite®. An IPS system outage can potentially result in operational challenges, lost opportunities to produce digester gas, and significant increases in operating costs.

The IPS System consists of:

- Pump stations located at JIWRF and SSWRF.
- Two 14-inch diameter and two 12-inch diameter pipelines, located in parallel, each approximately 12-miles long.
- Multiple valves and interconnection piping at each pump station to allow an IPS pump to feed any of the four parallel pipelines.
- Twelve vaults along the length of the pipelines, located at the high and low points in the system.
- A cathodic protection system to help protect the pipeline from external corrosion.

ATTACHMENTS: **BACKGROUND** ☐ **KEY ISSUES** ☐ **RESOLUTION** ☒
FISCAL NOTE ☒ **S/W/MBE** ☒ **OTHER** ☐ _____

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COMMITTEE ACTION: _____ **DATE:** _____

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SUMMARY (Cont'd)

Award of Contract P01005C02, Interplant Sludge System Improvements – Jones Island and South Shore Water Reclamation Facilities Interplant Sludge Pump Stations Valves Replacement

The IPS system has been in service approximately 25 years. Parts of the IPS system are in poor condition or inoperable and at or near the end of their useful service lives. The overall purpose of the project is to restore the reliability and operational capability to the IPS System.

The contract scope includes:

- Removing and replacing 16 valves and installing two replacement valves (valves previously removed) at the JIWRf Thickening Building.
- Removing and replacing nine valves at the SSWRF IPS Pump Station.
- Removing and installing piping, fittings and appurtenances as required for the installation of the new valves.
- Removing and installing electrical and control wiring related to the valves.

As failure to meet contract milestones can negatively impact plant operations, the contract includes daily liquidated damages for failing to meet some project milestones and an incentive payment for meeting a valve delivery milestone.

The duration for this contract is 260 days.

RESOLUTION

Award of Contract P01005C02, Interplant Sludge System Improvements – Jones Island and South Shore Water Reclamation Facilities Interplant Sludge Pump Stations Valves Replacement

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract P01005C02, Interplant Sludge System Improvements – Jones Island and South Shore Water Reclamation Facilities Interplant Sludge Pump Stations Valves Replacement, is awarded to J.F. Ahern Co. in the amount of \$189,500, and that the Executive Director is directed to execute a contract on behalf of the District.