

**COMMISSION FILE NO:** 20-132-9 **DATE INTRODUCED:** September 14, 2020

**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 J06075C07, Primary Sludge Screens 4, 5, and 6 Replacement at Jones Island Water Reclamation Facility

**SUMMARY:**

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract J06075C07, Primary Sludge Screens 4, 5, and 6 Replacement at Jones Island Water Reclamation Facility (JIWRF), to J.F. Ahern Co. (Ahern) in the amount of \$425,000. Ahern was the lowest responsible and responsive bidder among three bids received.

There are eight primary clarifiers at JIWRF. The primary clarifiers are a critical asset within the water reclamation process. Each clarifier consists of a 160-foot diameter circular tank, which functions by settling primary sludge in the bottom of the tank. Primary sludge is first screened before it is normally pumped to the South Shore Water Reclamation Facility for digestion and gas production. The goal of sludge screening is to remove rags and stringy, non-biodegradable material from the primary sludge. That type of material can reduce digester efficiency and possibly plug pumps and piping.

The primary sludge screening facility at JIWRF include six primary sludge screens, all located within the Preliminary Treatment Facility (Building No. 203). The primary sludge screens use a combination of a sludge screen and a sludge compactor. This equipment not only removes the non-biodegradable material from the sludge, but it also decreases the volume of the screenings (by squeezing out the water). The screenings are then hauled to a landfill.

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

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**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## **SUMMARY (Cont'd)**

Award of Contract J06075C07, Primary Sludge Screens 4, 5, and 6 Replacement at  
Jones Island Water Reclamation Facility

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Sludge screen numbers 1, 2, and 3 were installed in 2013 and are in good condition. Sludge screen numbers 4, 5, and 6 have been in service since 2000 and were repaired in 2013, but now have various worn internal parts, including, but not limited to, screens, bearings, and seals. The District and Veolia Water Milwaukee have determined sludge screen numbers 4, 5, and 6 are beyond reasonable repair and require replacement. In addition, the motor and pneumatic control panels are obsolete and require replacement.

Under this contract, the contractor will remove and replace the three existing primary sludge screens, including motors, gearboxes, and motor and pneumatic controls.

The contract duration is 240 days.

## **RESOLUTION**

Award of Contract J06075C07, Primary Sludge Screens 4, 5, and 6 Replacement at  
Jones Island Water Reclamation Facility

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that Contract J06075C07, Primary Sludge Screens 4, 5, and 6 Replacement at Jones Island Water Reclamation Facility, is awarded to J.F. Ahern Co. in the amount of \$425,000, and that the Executive Director is directed to execute a contract on behalf of the District.