

**COMMISSION FILE NO:** 18-006-1 **DATE INTRODUCED:** January 8, 2018

**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 J04050C01, Jones Island Water Reclamation Facility Dryer Feed and Discharge Feed Screw Conveyor Replacement Project, and Approve Changes in Total Project Costs

**SUMMARY:**

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract J04050C01, Jones Island Water Reclamation Facility (JIWRF) Dryer Feed and Discharge Feed Screw Conveyor Replacement Project, to J.F. Ahern Co. in the amount of \$2,781,000. J.F. Ahern Co. was the lowest responsible, responsive bidder among three bids received.

Further, the Commission is requested to decrease the total project cost (TPC) for Project J04050, Dryer Feed and Discharge Feed Screw Conveyor Replacement Project, by \$1,356,561 for an amended TPC of \$3,863,357 and to make a corresponding change to the TPC for Project M99001, Allowance for Cost and Schedule Changes.

The JIWRF Dewatering and Drying (D&D) Facility has been in service since 1994. The D&D Facility converts sludge to Milorganite® product. The Milorganite® production process includes 12 rotary sludge dryers used to heat-dry dewatered biosolids, producing Milorganite®. The dried biosolids are transported from the dryers to other processes within the D&D Facility by conveyors. The conveyors are experiencing various degrees of wear, which leads to breakdown of the equipment. This condition results in inefficient and unreliable biosolids conveyance equipment and reduced Milorganite® production. To ensure that the D&D Facility continues to process biosolids and create Milorganite®, the District has been developing and implementing multiple projects to replace these conveyors.

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

*OP\_Award\_J04050\_DryerFeedDischargeFeed ScrewReplace\_legislative\_file.docx*  
12-20-17

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

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

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

Award of Contract J04050C01, Jones Island Water Reclamation Facility Dryer Feed and Discharge Feed Screw Conveyor Replacement Project, and Approve Changes in Total Project Costs

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The Dryer Feed and Discharge Screw Conveyor Replacement Project will replace Dryer Feed Mixer Screw Conveyors, Dryer Feed Screw Conveyors, and Dryer Discharge Screw Conveyors. Each screw conveyor transports Milorganite® either to or from each of the 12 dryers. Each existing screw conveyor has reached or is beyond its 20-year service life.

The scope of this contract includes removing and replacing components associated with each of the 12 dryers in the D&D Facility including:

- Replace 12 Feed Hoppers above the Dryer Feed Mixing Screw Conveyors.
- Replace 10 Dryer Feed Mixing Screw Conveyors.
- Replace augers, bearings, motors, and drive assemblies in six Dryer Feed Screw Conveyors.
- Remove and replace 10 Dryer Discharge Screw Conveyors including discharge gates, emergency discharge gates, and inlet chutes.

The contract duration is approximately two years.

The low bid received by the District is less than budgeted and staff requests to reduce the TPC accordingly.

Consistent with the Agreement for Management, Operations and Maintenance Services between the District and Veolia Water Milwaukee, LLC, (VWM) VWM will make a \$260,000 contribution to the District for this project.

## **RESOLUTION**

Award of Contract J04050C01, Jones Island Water Reclamation Facility Dryer Feed and Discharge Feed Screw Conveyor Replacement Project, and Approve Changes in Total Project Costs

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that Contract J04050C01, Jones Island Water Reclamation Facility Dryer Feed and Discharge Feed Screw Conveyor Replacement Project, is awarded to J.F. Ahern Co. in the amount of \$2,781,000, and that the Executive Director is directed to execute a contract on behalf of the District.

**FURTHER RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project J04050, Dryer Feed and Discharge Feed Screw Conveyor Replacement Project, is decreased by \$1,356,561 for an amended total project cost of \$3,863,357, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.