

**COMMISSION FILE NO:** 16-146-11 **DATE INTRODUCED:** November 14, 2016

**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 J06065C08, Jones Island Water Reclamation Facility Dewatering and Drying Facility Dryer No. 1 Mixer Feed Screw Conveyor Replacement

**SUMMARY:**

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract J06065C08, Jones Island Water Reclamation Facility (JIWRF) Dewatering and Drying (D&D) Facility Dryer No. 1 Mixer Feed Screw Conveyor Replacement, to The Price Erecting Co. in the amount of \$106,900. The Price Erecting Co. was the lower responsible, responsive bidder between two bids received.

The JIWRF 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** ☐ \_\_\_\_\_

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

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

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

### **Award of Contract J06065C08, Jones Island Water Reclamation Facility Dewatering and Drying Facility Dryer No. 1 Mixer Feed Screw Conveyor Replacement**

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Dryer mixer feed screws are part of the overall biosolids processing system and are specifically used to mix dewatered biosolids with recycled dried biosolids used in the production of Milorganite®. Dryer mixer feed screw #1's auger flights are worn excessively and cannot convey the material adequately. Its existing housing has corroded due to the moisture in the biosolids, eroded due to the abrasive nature of the biosolids, and required temporary repairs by the District's Contract Operator; therefore, the entire conveyor needs replacement. The purpose of this project is to provide a new dryer mixer feed screw conveyor with 20 years of useful service life, to ensure reliable operation.

This contract scope includes:

- Removal of the existing dryer mixer feed screw conveyor.
- Removal of the existing motor and drive assembly.
- Installation of a new dryer mixer feed screw conveyor assembly complete, which includes:
  - Auger
  - Housing
  - Motor and gear assembly
  - Adjustable speed controller
  - Transition chute pieces to connect to existing equipment
  - Deflagration venting

The contract duration is 160 days.

Consistent with the Agreement for Management, Operations, and Maintenance Services between the District and Veolia Water Milwaukee (VWM), VWM will make a \$10,000 contribution to the District for this project.

## **RESOLUTION**

Award of Contract J06065C08, Jones Island Water Reclamation Facility Dewatering and Drying Facility Dryer No. 1 Mixer Feed Screw Conveyor Replacement

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that Contract J06065C08, Jones Island Water Reclamation Facility Dewatering and Drying Facility Dryer No. 1 Mixer Feed Screw Conveyor Replacement, is awarded to The Price Erecting Co. in the amount of \$106,900, and that the Executive Director is directed to execute a contract on behalf of the District.