

**COMMISSION FILE NO:** 21-108-7 **DATE INTRODUCED:** July 12, 2021

**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 M03107P01, Process Modeling Services – Water Reclamation Facilities, and Approve Changes in Total Project Cost

**SUMMARY:**

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract M03107P01, Process Modeling Services – Water Reclamation Facilities, to Black & Veatch Corporation in an amount not to exceed \$297,793. Black & Veatch Corporation was the highest scoring proposer through a qualifications-based selection method among four proposals received.

Further, the Commission is requested to increase the total project cost (TPC) for Project M03107, Water Reclamation Facilities Master Model Project, by \$80,793 for an amended TPC of \$280,793 and to make a corresponding change to the TPC for Project M99001, Allowance for Cost and Schedule Changes.

The purpose of this project is to build a comprehensive process model of the water reclamation facilities to provide the District with a tool to support research, pilots, and capital projects. The model is envisioned to be robust enough to conduct holistic evaluations to support decision making by modeling process changes, quantifying the impacts, and recommending capital projects. The model will supplement the existing capacity failure mode analysis.

The general scope of work for this contract includes assessing the District assets at Jones Island, South Shore, and the Interplant Solids Pipeline relative to the District's modeling goals to perform a technology screening. The technology screening will determine which commercially available models are the best suited to accomplish the District goals. Upon approval of the modeling approach, the consultant will construct, calibrate, and validate the model.

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

*OP\_M03107P01\_Water\_Reclamation\_Facilities\_Modeling\_legislative\_file.docx*  
06-22-21

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

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

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

Award of Contract M03107P01, Process Modeling Services – Water Reclamation Facilities, and Approve Changes in Total Project Cost

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Additionally, the scope includes training District staff as well as providing ad hoc modeling services for a one-year period after the model is delivered. Ad hoc services are envisioned to support capital projects by providing a comprehensive evaluation of process changes.

The contract duration is expected to be 94 weeks.

The proposal received by the District is more than budgeted, and staff requests an increase to the TCP accordingly.

## **RESOLUTION**

Award of Contract M03107P01, Process Modeling Services – Water Reclamation Facilities, and Approve Changes in Total Project Cost

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract M03107P01, Process Modeling Services – Water Reclamation Facilities, with Black & Veatch Corporation in an amount not to exceed \$297,793.

**FURTHER RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project M03107, Water Reclamation Facilities Master Model Project, is increased by \$80,793 for an amended total project cost of \$280,793, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.