

**COMMISSION FILE NO:** 21-101-7 **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:** Contract J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning System Improvements in Buildings 234, 235, 243, and 256

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning (HVAC) System Improvements in Buildings 234, 235, 243, and 256, with Symbiont Science, Engineering and Construction, Inc., (Symbiont) in an amount not to exceed \$359,846. Symbiont was the highest scoring proposer based on a qualifications-based selection method among five proposals received.

The Jones Island Water Reclamation Facility has approximately 41 buildings which need to have some form of HVAC system. Four of these buildings have HVAC equipment that has reached the end of their useful services lives and/or no longer provides sufficient heating or cooling.

These buildings are as follows:

- Return Activated Sludge (RAS) Pump Station (Building 234)
- Waste Activated Sludge (WAS) Pump Station (Building 235)
- Chemical Unloading Facility (Building 243)
- Thickening Building (Building 256)

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

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

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

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

### **Contract J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning System Improvements in Buildings 234, 235, 243, and 256**

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Some of the HVAC issues are as follows:

- The RAS Pump Station has insufficient heating, making it difficult to keep portions of the building warm in very cold weather. Some areas are essentially uninhabitable in winter. The HVAC system is 39 years old.
- The HVAC in the WAS Pump Station has been in service since 1982 and is original to the building. It has exceeded its useful service life and staff recommends replacement.
- The Chemical Unloading Facility's HVAC system is 38 years old, which is nearly double the expected life of such equipment. The west wing of building has inadequate heat in very cold weather.
- The main control room in the Thickening Building has two air conditioning units that need to be replaced, due to their age and condition. The building also has a failed HVAC control panel.

The purpose of this project is to provide reliable and energy efficient HVAC in each of the above buildings.

Under Contract J06083D01, the consultant will perform the following services:

- Conduct preliminary design evaluations for HVAC system replacements and improvements for building equipment and occupants, while increasing energy efficiency.
- Design the recommended HVAC system replacements and improvements.
- Prepare bid and construction contract documents (plans and specifications).
- Provide engineering services during construction.

After the design work is complete, the District will publicly bid the construction contract.

The duration for this contract is approximately 49 months.

## **RESOLUTION**

Contract J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning System Improvements in Buildings 234, 235, 243, and 256

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning System Improvements in Buildings 234, 235, 243, and 256, with Symbiont Science, Engineering and Construction, Inc., in an amount not to exceed \$359,846.