




## MEMORANDUM

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Date: July 13, 2023

To: Honorable Mayor and Commissioners

Via: Albert P. Childress   
City Manager

From: Kelly Crowe, P.E.  
Utilities Director

Subject: **Approve Change Order #2 for Black & Veatch Corporation Task Order #9 for Construction Phase Engineering Services for the RAS & WAS 7 Pump Replacement Project at the Richard A. Heyman Environmental Protection Facility**

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### Introduction

Staff recommends that the Mayor and City Commission approve Change Order #2 for construction phase engineering services for \$55,423.00 for Black & Veatch Corporation (Black & Veatch) Task Order #9 and authorize the City Manager to execute a change order upon consent of the City Attorney and execute any necessary budget transfers or adjustments.

### Background

The Return Activated Sludge (RAS) and Waste Activated Sludge (WAS) pumps at the Richard A. Heyman Environmental Protection Facility (RAHEPF) are used to maintain balance of microorganisms in the treatment process of wastewater. These pumps are over 30 years old, exhibit significant signs of wear and tear and are at the end of their useful life. Localized equipment related to the pumps, including instrumentation and plumbing, show similar signs of age-related deterioration. It is necessary to renew the RAS pumps, WAS pumps, instrumentation, and plumbing to maintain and improve reliability and serviceability of the critical systems at the RAHEPF.

Design was initiated in May of 2021 and finalized in March of 2023. Change order #1 in the amount of \$55,358.00 expanded the task order to include an evaluation of alternative piping materials and expansion of the engineering design to include additional valves and piping in the system. Invitation to Bid (ITB) 23-007 was advertised on April 1, 2023 and Reynolds Construction, LLC was awarded the contract for construction on June 8, 2023.

Construction phase engineering support services from the Engineer of Record (EOR) is critical to ensuring the materials and appurtenances are in conformance with the contract documents. In addition, the services provide a nexus for including the EOR in the overall construction of the project. It is recommended that Black & Veatch, the EOR on this project, provide construction phase engineering support services to include organization and participation of construction progress meetings, preparation of as-built drawings, review of submittals, review of requests for information, change orders, and claims, site inspections for conformance with specifications and plans, and provide inspection reports.

### **Procurement**

Task Order #9 was issued to Black & Veatch by Resolution 21-078 under the general engineering services contract approved in Resolution 17-207 and extended per Resolutions 20-142 and 22-171. Change Order #2 for \$55,423.00 will bring the total fee of Task Order #9 from \$148,171.00 to \$203,594.00.

The RAS/WAS pump systems replacement project is identified as project number SE35042102 and is budgeted under 401-3504-535-6500. Funds in the amount of \$55,423.00 will need to be transferred from the Account 401-3501-535-9900, Reserves (Other Uses) to fund the Change Order.

### **Recommendation**

The City Manager's Office recommends that the Mayor and City Commission approve Change Order #2 for construction phase engineering services for Black & Veatch Corporation (Black & Veatch) Task Order #9 and authorize the City Manager to execute a change order upon consent of the City Attorney and execute any necessary budget transfers or adjustments.