

City of Fort Worth, Texas

Mayor and Council Communication

DATE: 04/23/24 M&C FILE NUMBER: M&C 24-0357

LOG NAME: 60VCWRFRCMP-GHD

SUBJECT

(CD 5) Authorize Execution of a Professional Services Agreement with GHD Inc. in the Amount Not to Exceed \$150,000.00 for Reliability Centered Maintenance Analysis of Turbine Heat Recovery Steam Generators & Steam Blower System Project at the Village Creek Water Reclamation Facility

RECOMMENDATION:

It is recommended that the City Council authorize the City Manager to execute a Professional Services Agreement with GHD Inc., in the amount not to exceed \$150,000.00 for Reliability Centered Maintenance Analysis of Turbine Heat Recovery Steam Generators & Steam Blower System project at the Village Creek Water Reclamation Facility.

DISCUSSION:

The Village Creek turbine heat recovery system utilizes the heat generated by operation of the natural gas generators to produce steam, which is used to power steam blowers which produce air for the wastewater treatment process. Operation of the heat recovery system significantly increases the efficiency of the natural gas generators, thus reducing energy costs at the Village Creek water reclamation facility. As part of this work, the consultant will evaluate the design, operating context, and maintenance strategies currently in place, focusing on operating performance, efficiency and potential failure modes. From that evaluation, a report recommending design improvements and a maintenance program that is designed to mitigate failures while operating as efficiently as possible will be prepared.

Funding is budgeted in the Other Contractual Services account within the Water & Sewer Fund for the Water Street Repair Department.

Business Equity – A waiver of the goal for Business Equity subcontracting requirements was requested by the DVIN, in accordance with the applicable Ordinance, because the purchase of goods or services is from sources where subcontracting or supplier opportunities are negligible.

The project is located in COUNCIL DISTRICT 5.

FISCAL INFORMATION / CERTIFICATION:

The Director of Finance certifies that upon approval of the recommendation, funds are available in the current operating budget, as previously appropriated, in the Water & Sewer Fund. Prior to an expenditure being incurred, the Water Department has the responsibility to validate the availability of funds.

Submitted for City Manager's Office by: Fernando Costa 6122

Originating Business Unit Head: Chris Harder 5020

Additional Information Contact: Tejal Kshatriya 8583