

Agenda Report



MEETING DATE: Tuesday, December 10, 2024

TO: City Council

FROM: PUBLIC WORKS & UTILITIES DIRECTOR LINDBERG
ASST PUBLIC WORKS & UTILITIES DIRECTOR GREEN
WASTEWATER DIVISION MANAGER TELLEZ

SUBJECT: APPROVE A SOLE SOURCE PURCHASE WITH ALFA LAVAL, INC. FOR A MANUFACTURER REBUILD OF ONE EXISTING WWTF BELT PRESS EQUIPMENT, IN AN AMOUNT NOT TO EXCEED \$305,256; AND APPROVE A BUDGET TRANSFER WITHIN THE SEWER ENTERPRISE FUND FOR THE SAME

RECOMMENDED ACTION:

Adopt a resolution approving a sole source purchase with Alfa Laval, Inc. for a manufacturer rebuild of one Wastewater Treatment Facility (WWTF) belt press, in an amount not to exceed \$305,256; authorizing and directing the City Manager to execute purchase order; and approve a budget transfer in the same amount within the Sewer Enterprise Fund.

BACKGROUND:

The City's WWTF dewatering process is critical to the removal, dewatering, and handling of biosolids that are produced throughout the wastewater treatment process. If this process is not functioning at full capacity, solids will build within the upstream processes, causing issues with meeting wastewater treatment and state water board regulatory requirements.

DISCUSSION:

The dewatering process area consists of a total of three belt presses. A minimum of two are required to be in operation at all times to maintain normal operating capacity. All three belt presses are nearing the end of their useful life and consistently require parts replacement, repair and maintenance. One of the three belt presses is past the point of repair by City utility maintenance staff, requiring replacement or a complete manufacturer rebuild.

The belt presses are original to the 1986 WWTF upgrade and the entire process area is due for complete replacement. However, other priorities including the Electrical System Hazard Mitigation project and the upcoming Headworks and Influent Pump Station

Replacement projects will require the majority of the Sewer Enterprise Fund's capital expenditures.

In order to extend the useful life of the existing dewatering equipment, staff recommends that the inoperable belt press be rebuilt by the manufacturer. This is more cost effective than purchasing a new belt press and will allow the existing equipment to be refurbished by the manufacturer to a standard that should extend its useful life several years and increase the reliability of the dewatering process.

Alfa Laval is the only manufacturer that offers a complete rebuild of the Klampress belt press brand which is no longer commercially available. Therefore, staff recommends Council authorize the sole source purchase of the existing belt press rebuild through Alfa Laval for an amount not to exceed \$305,256, which is the quoted \$278,137 plus 9.75% sales tax which was excluded from the quote but will be charged upon delivery.

STRATEGIC PLAN:

This purchase is consistent with
2-Infrastructure & Environment

FINANCIAL IMPACT:

There is sufficient budget available within the Sewer Enterprise Fund. Staff is requesting that Council approve a budget transfer in the amount of the \$305,256 purchase order from budget account 911-7855-14795 to 911-7855-14328.

ALTERNATIVE ACTION:

No reasonable alternatives are known at this time. Council could elect not to approve the purchase which would leave the existing dewatering system vulnerable to failure.

ATTACHMENTS AND/OR REFERENCES (If any):

- 1) Alfa Laval Belt Press Manufacturer Rebuild Quote