



DATE: May 17, 2022

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Adopt a Resolution Authorizing the Sole Source Purchase of Submersible Wastewater Pumps for Use at the Valle Vista Lift Station in an Amount Not-to-Exceed \$331,893.60

RECOMMENDATION

That Council adopts a resolution (Attachment II) authorizing the City Manager to execute the sole source purchase of submersible wastewater pumps for use at the Valle Vista Lift Station in an amount not-to-exceed \$331,893.60.

SUMMARY

The Valle Vista Lift Station currently utilizes submersible pumps to pump wastewater to the Water Pollution Control Facility (WPCF) for treatment and disposal. Currently, two of the four pumps are obsolete and must be replaced in order to avoid interruption of services. The City has standardized using Flygt submersible wastewater pumps, which are considered the industry standard and have an outstanding performance record in every sewer and storm water lift station. In addition, they require less maintenance with significant savings in electricity use. As such, staff recommends that the City Manager be authorized to execute the sole source purchase of this equipment from Xylem Water Solutions U.S.A., Inc., in an amount not-to-exceed \$331,893.60. Council has previously approved funding for the purchase of this equipment as part of the FY 2022 Capital Improvement Program (CIP).

BACKGROUND

The City's Utilities Division operates and maintains all water and wastewater collection system facilities, including sewer collection system repairs. Approximately half of the raw sewage that flows to the WPCF per day comes through the Valle Vista Lift Station. This station is served by four pumps and are responsible for pumping, on average, 5 million gallons per day (MGD) of sewage to the WPCF for treatment. These pumps are critical to the City of Hayward's sewer system.

DISCUSSION

Flygt submersible wastewater pumps from Xylem Water Solutions U.S.A., Inc., were originally installed at the Valle Vista Lift Station during the station's retrofit in 1998. These are the original pumps and have lasted past their expected useful life. One 135 horsepower (HP) pump is no longer operable, and another pump is not in good condition. With the significant amount of wastewater that flows through this station, it is imperative that these pumps be replaced.

The City has standardized using Flygt submersible wastewater pumps, which are considered the industry standard as they are reliable and robust. By standardizing Flygt pumps and spare parts for all sewer and lift stations, staff is able to carry fewer spare parts without impacting the readiness and ability to make repairs. As such, staff is requesting Council authorization to pursue the purchase of the Flygt submersible wastewater pumps as a sole source.

ECONOMIC IMPACT

By replacing these aging pumps as they reach the end of their useful life, the City will minimize the possibility of emergency outages, which could be a significant impact on local businesses and residents if overflows occur.

FISCAL IMPACT

The cost of the equipment, as quoted by Xylem Water Solutions U.S.A., Inc., is approximately \$331,893.60, including tax and shipping. Funding for this equipment was previously approved as part of the FY 2022 CIP, Valle Vista Submersible Pump Replacement and Wet Well Rehabilitation Project No. 07626, at an amount of \$700,000 within Sewer Replacement Fund 611.

STRATEGIC ROADMAP

This agenda item is a routine operational item and does not relate to any of the six priorities outlined in the Council's Strategic Roadmap.

SUSTAINABILITY FEATURES

Purchase of the submersible wastewater pumps will enable the City to continue to pump wastewater to the WPCF for treatment and disposal. By replacing these aging pumps as they reach the end of their useful life, the City will minimize the possibility of emergency outages, which would be a significant environmental impact if an overflow occurs.

PUBLIC CONTACT

Purchase of this equipment requires no public contact.

NEXT STEPS

If Council approves staff's recommendation, the City Manager will execute the sole source purchase of this equipment from Xylem Water Solutions U.S.A., Inc.

Prepared by: Benjie Foreman, Utilities Operations & Maintenance Supervisor
Bert Weiss, Utilities Operations & Maintenance Manager

Recommended by: Alex Ameri, Director of Public Works

Approved by:

A handwritten signature in black ink, appearing to read 'K. McAdoo', is written over a horizontal line.

Kelly McAdoo, City Manager