



## **CITY OF ORLAND STAFF REPORT**

### **MEETING DATE: October 1, 2024**

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**TO:** Honorable Mayor and City Councilmembers

**FROM:** Zach Barber, Director of Public Works

**SUBJECT:** **Lift Station Standardization** (Discussion/Action)

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#### **BACKGROUND:**

The City wastewater collection system has six lift stations in the following locations:

- Railroad Avenue (next to the former Railroad well)
- M $\frac{1}{2}$  (at GCOE on SR32, former Butte College offices)
- Heartland (in alley off Jacquelyn @ Rennat)
- Road N (at Road 17 behind Whitehawk subdivision)
- Airport (next to the well)
- Butte College (Cortina Drive)

Each station is designed to collect gravity-fed wastewater, lift it via a pump to a higher grade, and pump it back onto its otherwise gravity-fed journey to the wastewater treatment plant (WWTP). Each was designed and installed at different times, by various developers, and is maintained by the City. These pump lift stations do not utilize the same pumps or electronic controls.

Maintenance is more difficult and benchstock is more expensive due to the variation in infrastructure and equipment at the lift stations. Recent experience with lift station failures is significantly increasing the City's exposure to catastrophic failure of the system.

#### **ANALYSIS:**

Public Works staff have been for several years seeking contractor bid proposals to upgrade and standardize the lift stations. Of the dozen or more contacted, three visited and submitted proposals. One of the three has since withdrawn his bid. No Orlando pump contractors are interested in this work.

Today we have two proposals for standardizing the five older lift stations: one from a Bay Area company, Simonds Machinery for \$456,565 and one from an Anderson (Shasta County) company, J&J Pumps, for \$432,997. Both proposals break out each lift station into a separate bid, enabling the City to phase the project if desired. The bids include upgrading and standardizing electric supply, electronic controls (SCADA), pumps and associated equipment. Three of the stations – Railroad, Heartland and M $\frac{1}{2}$  – will be outfitted with chopper (solids handling) pumps due to the persistence of foreign solids collected there.

Summarized, the bid proposals break down as follows:

Railroad	\$ 91,975
Heartland	\$110,556
M½	\$ 94,995
Road N	\$ 35,924
Airport	\$ 86,475

The Public Works & Safety Commission examined this issue recently and voted unanimously to recommend to the Council that the City proceed with the project and award the contract. J&J Pumps is considered by the Public Works & Safety Commission and City staff to be the most responsible bidder in that its reputation and proximity to Orland enable it to be more responsive to the City's long-term operational needs. Pumps come with a five-year warranty. J&J also offers a one-year all-inclusive warranty. J&J has 24/7 service technicians available.

Most pump contractors focus on water and avoid wastewater systems. Due to the limited availability of responsible, responsive contractors for this specialized work, City staff sees this project as a limited or sole-source procurement, and would recommend Council designate it as such.

More info @ <https://www.jandjpumps.com/>

Attachments: Proposals from Simonds and J&J Pump for lift station upgrade and standardization.

**RECOMMENDATION:**

Proceed with upgrading and standardizing the lift stations at this time, and select J&J Pumps as the contractor.

**FISCAL IMPACT OF RECOMMENDATION:**

\$439,038 to the Sewer Fund, which has a reserve balance of \$1.4M.