

**TO:** Andrew P. Powers, City Manager

**FROM:** Clifford G. Finley, Public Works Director

**DATE:** June 4, 2024

**SUBJECT: Hill Canyon Treatment Plant Backwash Pump/Motor Purchase**

**RECOMMENDATION:**

1. Authorize the purchase of a pump and motor assembly for the Hill Canyon Treatment Plant (HCTP) in an amount not to exceed \$121,602 from G3 Engineering, Inc. (Granite Bay, CA).
2. Authorize expenditure in the amount of \$121,602 from A/C #621-8250-685-8400 (Wastewater Equipment Over \$5,000), partially offset in the amount of \$56,516 by A/C #621-8250-685-8900 (Wastewater Fixed Asset Replacement, Asset #8250-457) for FY 2023-24.
3. Find that this action is not a project as defined under the California Environmental Quality Act.

**LEVINE ACT ITEM: No**

**FINANCIAL IMPACT:**

**No Additional Funding Requested.** \$121,602 is included in the Adopted FY 2023-24 Wastewater Budget. This purchase will be partially offset in the amount of \$56,516 in fixed asset replacement funds.

**BACKGROUND:**

The HCTP treats wastewater from the community of Thousand Oaks. Since the 1960s, HCTP has provided advanced tertiary-level wastewater treatment. The facility treats an average of eight million gallons per day of wastewater generated from domestic, commercial, and industrial sources, operating 24 hours per day, 365 days per year.

The City's National Pollutant Discharge Elimination System (NPDES) Permit mandates specific requirements for HCTP as a tertiary treatment plant. As part of compliance, HCTP utilizes a backwash pump, essential for the operation of ten

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multi-media filters (comprised of anthracite, sand, and gravel). These filters are crucial for removing the majority of residual solids in the secondary effluent before disinfection. The pump draws water from the chlorine contact channel to rinse and backwash the media bed of a filter when needed.

As part of the replacement evaluation process, staff examines equipment after 15 years of service, considering hours of use, mechanical condition, continued safe operation, and functionality requirements. When equipment is confirmed to meet the mechanical criteria for replacement, staff also evaluates the continued business need for such equipment.

Staff confirmed that the backwash pump meets the criteria for replacement due to its current age of 15 years and its mechanical condition. Based on the evaluation, the equipment Asset #8250-457 is recommended for replacement.

**DISCUSSION/ANALYSIS:**

On February 23, 2024, a Notice Inviting Bids, Specification #2023-2024-17 was publicly advertised in the Thousand Oaks Acorn and on the City's procurement website, and on March 13, 2024, the following bids were opened publicly:

<b>Vendor</b>	<b>Met Specifications</b>	<b>Bid Amount</b>
Wastewater Solutions LLC (Boca Raton, FL)	No	\$60,011.74
General Pump Company, Inc. (San Dimas, CA)	No	\$74,712.50
Powers Bros Machine (Montebello, CA)	No	\$88,848.73
Technology International, Inc. (Lake Mary, FL)	No	\$89,739.29
MuniQuip LLC (Roseville, CA)	No	\$107,887.50
G3 Engineering, Inc. (Granite Bay, CA)	Yes	\$121,601.47
Applied Industrial Technologies (Ventura, CA)	Yes	\$125,546.85

After a thorough examination, it was found that the first five bidders failed to meet the City's specified submergence levels as outlined in the bid document. Consequently, G3 Engineering, Inc. is recommended for the purchase as they were the lowest responsive bidder to meet the City's equipment specifications. The time to file a bid protest has elapsed; nor did the City receive any appeals. Once the new equipment is received, the previous equipment will be retired, and the new asset will be placed into service upon delivery.

**COUNCIL GOAL COMPLIANCE:**

Meets the following City Council goals:

C. Operate City government in a fiscally and managerially responsible and prudent manner to ensure that the City of Thousand Oaks remains one of California's most desirable places to live, work, visit, recreate, and raise a family.

F. Provide and enhance essential infrastructure to ensure that the goals and policies of the Thousand Oaks General Plan are carried out and the City retains its role and reputation as a leader in protecting the environment and preserving limited natural resources.

**PREPARED BY:** Tim Mooney, Wastewater Treatment Plant Superintendent  
Kim Sherman, Sr. Purchasing Specialist