

CITY OF YUBA CITY
STAFF REPORT

Date: September 5, 2017
To: Honorable Mayor & Members of the City Council
From: Public Works Department
Presentation By: Diana Langley, Public Works Director

Summary

Subject: Purchase of one (1) Digester Mixing Pump (FB18-06)

Recommendation: A) Award the purchase of one (1) digester mixing pump to Gierlich Mitchell of Cypress, CA in the amount of \$51,844.65

B) Authorize the Finance Director to make a supplemental appropriation of \$51,844.65 from Unallocated Wastewater Funds to Account No. 8120-69201 (Capital Acquisition).

Fiscal Impact: \$51,844.65 – Account No. 8120-69201 (Capital Acquisition)

Purpose:

Purchase of a replacement digester mixing pump for the east anaerobic digester.

Background:

The City's Wastewater Treatment Facility (WWTF) utilizes anaerobic digestion to treat and process biosolids. To successfully treat and reduce the volatile solids content, the anaerobic digester needs to maintain a specific pH and temperature throughout the entire digester. The mixing pumps run on a continual basis every day throughout the year, keeping the pH and temperature in balance. If not properly mixed, the digestion process will become imbalanced, leading to negative impacts downstream, which can impact the City's ability to dispose of the biosolids.

The digester mixing pump in the east anaerobic digester has failed and needs to be replaced. The pump failed in July, after adoption of the FY 17/18 budget, so replacement of the pump was not anticipated in the budget.

Analysis:

The Finance staff and Public Works staff worked together to develop specifications that would meet the City's requirements. A formal bid was developed and advertised according to the City's municipal code. Three (3) vendors received bid notification and the City received two (2) responses. Sealed bids were received and opened by the City Clerk's office. The following bids were received:

<u>Vendor Name</u>	<u>Bid Amount</u>
Gierlich Mitchell	\$51,844.65*
Kinney Electric and Power Transmission	\$57,738.04

*awardee

Staff recommends award of the purchase to Gierlich Mitchell of Cypress, CA. Delivery time for the new pump is 12-14 weeks. In the meantime, WWTF staff is taking this opportunity to take the east anaerobic digester offline for a routine cleaning.

Fiscal Impact:

The purchase of the digester mixing pump was not anticipated as part of the FY 17/18 budget. Staff is requesting a supplemental appropriation of Unallocated Wastewater Funds in the amount of \$51,844.65 to Account No. 8120-69201 (Capital Acquisition). There are sufficient funds available.

Alternatives:

Rebuild the existing pump at an estimated cost of \$53,686.40. Staff does not recommend this option as it is higher than the cost for a new pump.

Recommendation:

Award the purchase of one (1) digester mixing pump to Gierlich Mitchell of Cypress, CA in the amount of \$51,844.65, and authorize the Finance Director to make a supplemental appropriation of \$51,844.65 from Unallocated Wastewater Reserve to Account No. 8120-69201 (Capital Acquisition).

Prepared By:

/s/ Vicky Anderson

Vicky Anderson
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Submitted By:

/s/ Steven C. Kroeger

Steven C. Kroeger
City Manager

Reviewed By:

Public Works

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Finance

RB

City Attorney

TH via email