

**City of Fayetteville Staff Review Form**

**2020-0681**

**Legistar File ID**

**9/1/2020**

City Council Meeting Date - Agenda Item Only  
N/A for Non-Agenda Item

Tim Nyander

8/12/2020

WASTEWATER TREATMENT (730)

**Submitted By**

**Submitted Date**

**Division / Department**

**Action Recommendation:**

Staff recommends repair of a jet flow mixer pump for the West Side WRRF by Electric Motor Center in the amount of \$22,456.77 plus applicable taxes.

**Budget Impact:**

5400.730.5800-5414.00

Water and Sewer

Account Number

Fund

02069.1

Plant Pumps and Equipment - WWTP

Project Number

Project Title

**Budgeted Item?** Yes

Current Budget \$ 1,477,313.00

Funds Obligated \$ 639,049.08

Current Balance **\$ 838,263.92**

**Does item have a cost?** Yes

Item Cost \$ 24,646.31

**Budget Adjustment Attached?** No

Budget Adjustment \$ -

Remaining Budget **\$ 813,617.61**

V20180321

**Purchase Order Number:** \_\_\_\_\_

**Previous Ordinance or Resolution #** \_\_\_\_\_

**Change Order Number:** \_\_\_\_\_

**Approval Date:** \_\_\_\_\_

**Original Contract Number:** \_\_\_\_\_

**Comments:** Taxes are estimated at \$2,189.54 for a project total cost of \$24,646.31.



**MEETING OF SEPTEMBER 1, 2020**

**TO:** Mayor and City Council

**THRU:** Susan Norton, Chief of Staff  
Tim Nyander, Utilities Director

**FROM:** Greg Weeks, Area Manager

**DATE:** August 12, 2020

**SUBJECT: Approval of a resolution to repair one (1) Fairbanks Morse jet flow mixer pump for the West Side WRRF**

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**RECOMMENDATION:**

Staff recommends repair of a jet flow mixer pump for the West Side WRRF by Electric Motor Center in the amount of \$22,456.77 plus applicable taxes.

**BACKGROUND:**

The West Side Treatment Facility utilizes a flow equalization basin as part of the treatment process. Raw influent can be directed from headworks to the equalization basin which allows for a consistent flow through the facility's bioprocess. To keep solids suspended and to prevent septic conditions, two jet mixer pumps circulate influent stored inside the basin.

During a routine check in March, a Jacobs operator noticed the breaker on Pump No. 1 was tripped. After resetting, the pump ran momentarily before again tripping the breaker. Maintenance staff inspected the pump's motor, but only found minor rodent damage to the heater wiring which was repaired in-house. Finding no other issues with the motor, staff determined the problem was with the gearbox bearings and sent the pump to Electric Motor Center (EMC) for a hidden-damages inspection.

**DISCUSSION:**

EMC has submitted a price proposal for the repair of Pump No. 1 for \$22,456.77. This amount includes freight charges. Staff recommends the approval of this proposed jet mixer pump repair by EMC. It's anticipated this repair will be deemed tax exempt under Arkansas tax code, but pending that determination from the state if taxes are imposed they are estimated to be \$2,189.54 for a project total cost of \$24,646.31.

Because it was necessary to have the repair facility disassemble the units to determine the extent of hidden and unknown damage to equipment already purchased, a bid waiver and/or formal sealed bidding is not necessary according to Ark. Code Ann. §19-11-203(14)(DD).

**BUDGET/STAFF IMPACT:**

Funds are available in the Wastewater Treatment Plant CIP – Plant Pumps and Equipment - W.W.T.P.

**Attachments:**

Quote from Electric Motor Center

ELECTRIC MOTOR CENTER  
804 N. JEFFERSON  
SPRINGDALE, AR 72764  
PHONE: (479)756-8040  
FAX: (479)756-0567  
EMAIL: [rayatemc@gmail.com](mailto:rayatemc@gmail.com)

6/26/2020

Brian/Jacobs-West plant

Fairbanks influent 20" C5721L CW 20.5 diameter

Teardown – Clean, install all new bearings and seals, new seal sleeve, new chesterton 442 split mechanical seal, new shim kit bore and sleeve bearing housing assembly and paint

Mechanical seal chesterton 2 piece	\$8588.40
Mechanical seal sleeve	\$5560.80
Shims	\$828.00
Bearings and seals	\$3929.57
Machine work (10 hrs x 75)	\$750.00
Labor (42 hrs x 60)	\$2520.00
Freight	\$280.00

22,456.77 + tax if needed

Thanks,  
Ray Edmisson