



City of Tamarac
Interoffice Memorandum
Public Services Department

To: Michael C. Cernech, City Manager

Thru: Jack Strain, Public Services Director 

From: Troy Gies, Budget and Contracts Manager 

Date: February 22, 2021

Re: Temp. Reso. #13568 – Purchase of Replacement Stormwater and Wastewater Trash Pump – City Commission Meeting of March 10, 2021

Recommendation

I recommend that the City Commission authorize the purchase of replacement Trash Pumps as approved in the Fiscal Year 2021 Budget, utilizing the Thompson Pump Sourcewell Contract #012418-TPM for the Stormwater Pump Replacement (Model No. 8JSCE-DJDST-45HC04-M) at a price not to exceed \$75,599.00, and the Florida Sheriff's Association Contract #FSA20-EQU18.0 Specification #276 for the Wastewater Pump Replacement (Model No. 6JSCEE-DIST-4LE2T) for a price not to exceed \$39,136.00, for a combined price not to exceed \$114,735.00; and that this item be placed on the March 10, 2021 agenda.

Issue

Purchase of a replacement Stormwater and Wastewater Trash Pump per the Fiscal Year 2021 Adopted Budget in an amount not to exceed \$114,735.00. Both Stormwater and Wastewater must use dedicated pumps for their respective purposes to prevent pollution and cross-contamination of stormwater.

Background

On an annual basis, the Public Services Department reviews the City fleet to determine those pieces of equipment which require replacement. Several factors are considered in determining whether a piece of equipment requires replacement including age, condition, value and life-to-date repair costs. A recommendation for replacement is made when the economic benefit of retaining a piece of equipment decreases and the cost of maintenance substantially increases. Stormwater Construction Equipment requested for replacement, which were subsequently approved in the Fiscal Year 2021 Budget, are summarized below:

Replacement Equipment Procurement:

The City will utilize the procurement method which is most advantageous to the City and which best meets the operational needs of the City. The use of competitively bid contracts available for cooperative purchase has been shown to be the most efficient method of procurement in the past. The contract to be used for the Trash Pump includes, the current Florida Sheriff's Association Agreement for Heavy Equipment Contract No. FSA20-EQU18.0, Item #276 and the current Thompson Sourcewell Contract No. 012418-TPM.

Equipment Replacement:

Public Services Fleet Management Division staff along with Stormwater and Wastewater Division employees monitor equipment condition, maintenance costs, safety, and overall utility of equipment. Based upon this review, funds were allocated in the Fiscal Year 2021 Stormwater Equipment Budget for replacement. The Trash Pumps to be replaced (details below) are approximately twenty-one (21) years old and are critical pieces of equipment used to prevent and mitigate flooding during the rainy season and tropical weather and as emergency back-up for lift stations, and is nearing the end of its projected useful life.

- 2000 Thompson 8” Trash Pump (Mounted on Trailer); the proposed replacement is 2021 Trailer-Mounted Thompson High Efficiency 8” Trash Pump Model #8JSCE-DJDST-45HC04-M
- 2000 Thompson 6” Trash Pump (Mounted on Trailer) the proposed replacement is 2021 Trailer-Mounted Thompson High Efficiency 6” Trash Pump Model #6JSCEE-DIST-4LE2T

Equipment Use and Justification

The Stormwater Division uses the Trash Pump for in-house stormwater management projects including, but not limited to, dewatering, (e.g. stormwater pipes, catch basins) at job sites. In addition to these daily operations, the Stormwater Trash Pump is a critical piece of equipment in post-storm response. This piece of equipment is essential to ensure that critical roadways are not flooded and are accessible immediately after storm events.

The Wastewater Division utilizes the Trash Pump to assist with the movement and management of wastewater following tropical weather and heavy rains, during repairs, and as an emergency back-up for lift stations. The Wastewater Trash Pump is a critical piece of equipment during both emergency work and scheduled repair and maintenance. This piece of equipment is essential to ensure wastewater is properly managed; failure to do so can create significant inconveniences for homeowners as well as potential health hazards.

Contract Source:

Public Services Staff reviewed several options for competitively bid contracts awarded by Sourcewell, General Services Administration (GSA) Contracts, and the Florida Sheriff’s Association (FSA). City Staff determined both the FSA and Sourcewell Contracts had the required equipment. Upon further review of the pricing, it was determined that the Sourcewell Contract had the most favorable price for the Stormwater Pump and the FSA Contract had the most favorable pricing for the Wastewater Pump. A comparison of the pricing is shown below:

| DIVISION | PUMP MODEL | CONTRACT SOURCE | | BEST PRICE | COMBINED DIFFERENCE (HIGH/LOW) |
|--------------|----------------------|---------------------|---------------------|---------------------|--------------------------------|
| | | FSA | SOURCEWELL | | |
| STORMWATER | 8JSCE-DJDST-45HC04-M | \$78,329.00 | \$75,599.00 | \$75,599.00 | \$(2,730.00) |
| WASTEWATER | 6JSCEE-DIST-4LE2T | \$39,136.00 | \$41,847.00 | \$39,136.00 | \$(2,711.00) |
| TOTAL | | \$117,465.00 | \$117,446.00 | \$114,735.00 | \$(5,441.00) |

Replacement Cost:

Replacement cost of the equipment is based upon the rates in the Agreements utilized, for the make and model deemed to be equivalent to the equipment being replaced. Also, prior to selection of the make and model of the replacement equipment, City staff determine whether the type of usage and departmental needs have changed which would warrant a different type of equipment.

| Dept | Division | Year Purchased | Replacement Equipment | Contract Source | Replacement Costs |
|---|------------|----------------|---|---|----------------------|
| PS | Stormwater | 2000 | 2021 Trailer-Mounted Thompson High Efficiency 8" Trash Pump Model #8JSCE-DJDST-45HC04-M | Thompson Sourcewell Contract No. 012418-TPM | \$ 75,599.00 |
| PS | Wastewater | 2000 | 2021 Trailer-Mounted Thompson High Efficiency 6" Trash Pump Model #6JSCEE-DIST-4LE2T | Florida Sheriff's Association Contract FSA20-EQU18.0 Specification #276 | \$39,136.00 |
| Total Replacement Equipment - Funded FY 2021 | | | | | \$ 114,735.00 |

Vendor Information:

The designated vendor for the procurement of the Thompson Pump is Thompson Pump & Manufacturing Co., Inc and they are in Port Orange, FL.

Fiscal Impact

The actual purchase price of individual pieces of equipment may vary slightly due to the variable cost of aftermarket/dealer-installed equipment (e.g. Hydraulic brakes, Suction Hose). However, the total expenditure will not exceed the amount budgeted in the FY 2021 Adopted Budget; and all such additional equipment is only approved to ensure the safe operation of the equipment and to meet specific operational needs.

Funding for Stormwater Equipment, including the proposed Trash Pump, was approved as part of the FY 2021 Adopted Budget; and, funding is available, as detailed below:

| Fund | Account | FY21 Budget |
|---|--------------------|---------------------|
| Stormwater Fund | 410-5050-538.64-01 | \$77,000.00 |
| Utilities Fund | 425-6040-535.64-01 | \$42,100.00 |
| Total Replacement Equipment - Funded FY 2021 | | \$119,100.00 |

The City plans to utilize a Purchase Order for this purchase, as these are one-time equipment purchases.