



THE CITY OF KEY WEST

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MEMORANDUM

TO: Jim Scholl, City Manager
Greg Veliz, Assistant City Manager

FROM: John Paul Castro, Utilities Director

DATE: November 28, 2017

SUBJECT: Approving the Purchase of Two Automatic Control Check Valves from Fluid Control Specialties, Inc in the amount of \$103,796.00 Pursuant to Code of Ordinances 2-797 (1) Sole Source Purchasing

Action Statement:

This resolution will approve the purchase of 2 original automatic check valves for the Wastewater Treatment Plant (WWTP) from Fluid Control Specialties, Inc. in the amount of \$103,796.00

Background:

The PE pump check valves for effluent at the WWTP are responsible for all treated wastewater leaving the plant. These parts were installed during the original installation of the plant in 1992. The valves combine the functions of flow control, check valve, shut off valve, and reverse flow for priming in a single unit.

Purpose and Justification:

The parts for these pumps and check valves have been purchased and repaired in house over the past 25 years. After decades of exposure to toxic effluent water with high chloride and high salinity the valves have corroded and worn to a point of needing replacement. Repairing these units at this point would cost in excess of buying new units. These units weigh 2,775 pounds each.

The valves that are currently in service are made by Apco. To install a different brand valve and pump would mean a redesign of the entire system including mounting brackets, piping and flanges, concrete structure, etc. This will be more costly than direct replacement. Due to the difficulties and costs associated with changing the check valve the City would like to purchase sole source pursuant to Code of Ordinances 2 – 797 (1).

Options:

1. Do not purchase the PE Check Valves. This option is highly not recommended as additional time without replacement could be catastrophic.
2. Purchase 2 PE Check Valves from Fluid Control Specialties Inc. in the amount of \$103,796.00 This option is recommended. This would get the effluent system fully operational with redundancy more quickly. This would also save time administratively as this would have to be budgeted for the next fiscal year then purchased again.

Financial Impact:

The Utilities Department budgeted \$80,000 for PE Pump Check Valve in FY2018. Since the time of budgeting the second Check Valve has since started to show issues previously not known. Due to the importance of these valves and age of the parts we would like to request purchasing both valves together. There is sufficient funds within the repairs and maintenance cost center to cover the balance of the purchase.

Recommendation:

City Staff recommends Option 2, purchasing both PE Check Valves from Fluid Control Specialties, Inc. in the amount of \$103,796.00 pursuant to Code of Ordinances 2-797 (1) Sole Source Purchase.