



## THE CITY OF KEY WEST

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# EXECUTIVE SUMMARY

**TO:** Gregory W. Veliz, City Manager  
Patti McLaughlin, Asst. City Manager

**FROM:** John Paul Castro, Utilities Director

**DATE:** January 4th, 2021

**SUBJECT:** Approving the Purchase of an MWI Stormwater Pump, Spare Impeller, 2 GA stormwater check valves and 2 Dismantling joints from PSI Technologies, Inc.

### Action Statement:

This resolution would approve the purchase of an MWI stormwater pump, spare impeller, 2 AvTek 24" butterfly valves pursuant to code of ordinances 2-797 (1) Sole Source Procurement and 2 GA Industries 24" check valves with 2 dismantling joints by lowest cost quote, from PSI Technologies Inc. The total cost of all PSI Purchases are not to exceed \$186,627.64.

### Background:

The 2021 adopted stormwater budget includes specific line items for an MWI stormwater pump and 24" check valves.

Staff purchased MWI pumps to replace old rebuilt pumps in the City's two largest pump stations at Patricia and Ashby St. and Simonton St. Beach. Only one pump remains to be replaced which was budgeted for 2021.

The check valves which keep tide water from coming back into stormwater pump stations were starting to fail and were also budgeted over a two-year period with the last two being purchased in 2021.

### Purpose and Justification:

The newer pumps in conjunction with the check valves will make an immediate impact in run times and efficiency of stormwater flows. The newer pumps come with a 5-year warranty and will lower maintenance cost compared to the older pumps. Staff has begun to standardize with MWI pumps due to warranty and being made in the USA (availability of parts).

M E M O R A N D U M

*Key to the Caribbean – Average yearly temperature 77° F.*

The spare impeller is a shelf item that eliminates down time of pumps keeping redundancy in place.

The cost of the pump, impeller and check valves is \$162,030.50 with \$175,000 budgeted.

The dismantling joints are connection parts for the check valves that allow the large parts to fit into the valve box and then connect through a smaller “joint” both of which fit individually but would not if built as one custom valve.

The butterfly valves in both stations have seen decades of work in high salinity stormwater. Two have started to fail or are inoperable. The valves allow crews to close off the system for repairs and replacement in the vault or to the well. The AvTek valves replace the current 24” butterfly valves as a bolt on item. The valves will be purchased out of stormwater repairs as they were not individually budgeted.

PSI is the sole source provider for MWI pumps and AvTek products. Staff requested quotes for procurement of the 24” check valves and dismantling joints and PSI was the lowest cost provided.

Check valve and dismantling joint costs received:

McDade Waterworks, Inc. - \$60,286.36

Onsite Wastewater Management - \$66,130.00

PSI Technologies, Inc. - \$56,040.00

**Financial Impact:**

Account 402-3803-538-4600, stormwater/renewal and replacement/repairs and maintenance has \$175,000 budgeted for the pump, impeller and check valves which have a total cost of \$162,030.50.

Account 402-3802-538-4600, stormwater/construction/repairs and maintenance has \$90,000 available for the dismantling joints and butterfly valves which have a total cost of \$24,597.64. Total cost for all parts is \$186,627.64.

**Recommendation:**

Staff recommends approving the purchase of from PSI Technologies, Inc. for 1 MWI Pump, 2 GA Slaminator check valves, 2 AvTek 24” Butterfly valves, and 2 24” dismantling joints.