



## THE CITY OF KEY WEST

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### EXECUTIVE SUMMARY

**TO:** Jim Scholl, City Manager  
Greg Veliz, Asst. City Manager- Operations

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

**DATE:** February 11, 2016

**SUBJECT: Approval of Flygt Pump Repair for List Station D by Kaman Industrial Technologies Corporation in the Amount of \$26,710.00**

**Action statement:**

This resolution will approve the repair of a 110 horsepower Flygt submersible wastewater pump for Lift Station D by Kaman Industrial Technologies Corporation in an amount not to exceed \$26,710.00

**Background:**

List Station D, located at Seminary St. and Thompson St. is the City's highest volume wastewater station. This lift station pumps directly to the Waste Water Treatment Plant.

The station is currently outfitted with three 110 horsepower Flygt pumps for cycling and redundancy. One of the pumps recently stopped operating correctly. The pump was pulled and sent to Kaman Industrial Technologies for an assessment.

**Purpose and Justification:**

List Station D is currently running on 2 pumps. If one of the pumps were to go out, the City's highest volume station would be down to a single pump. This would not allow use of cycling to clear the wet well and send flow to the plant which would exert excess wear on the last remaining pump.

The repair to the third pump is critical to maintain flow to the plant without risk to public health and safety.

The pumps for these large volume stations are very large, weighing hundreds of pounds, and are complex. To get an assessment on their repairs they need to be shipped via freight. Once torn down any alternate repair centers refuse to accept the pump. Therefore it is not possible to get multiple quotes on a pump tear down and repair.

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

MEMORANDUM

The City had a back-up pump for Lift Station D which also went out of operation. A new Flygt pump would cost over \$60,000. Kaman has given the City the attached price to use parts from both pumps to rebuild a single pump.

The City and OMI have used Florida Bearing (now Kaman) for many years due to their low cost and timely repairs. Flygt, the pump manufacturer, has historically been considerably more expensive and difficult to work with.

Due to the inability to acquire multiple prices and the timeliness of the repair the purchase shall be made pursuant to 2-797(4)(b), Best Interest of the City.

Staff finds the quote reasonable.

**Financial Impact:**

The utilities department budgeted \$205,000 within account 401-3503-535-4600 for sewer repairs.

**Recommendation:**

Staff recommends approval of the repair to the 110 horsepower flygt pump for Lift Station D by Kaman Industrial Technologies in the amount of \$26,710.00