



THE CITY OF KEY WEST

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EXECUTIVE SUMMARY

To: Jim Scholl, City Manager
From: John Paul Castro, Director of Utilities
Cc: Greg Veliz, Assistant City Manager
Date: November 16, 2018

Subject:

Approving the purchase of a replacement Variable Frequency Drive (VFD) and control panel for the effluent pump FP-3-1 at the Richard A. Heyman Environmental Facility (WWTP).

Action Statement

This Resolution would approve the sole source purchase from Rexel for a replacement Allen-Bradley by Rockwell VFD and control panel for the effluent pump FP-3-1 at the City's WWTP in the amount of \$136,000.00 pursuant to Purchasing Code 2-797 (1) Sole Source Procurement.

Background

Since commissioning the Richard A. Heyman Environmental Protection Facility (WWTP) in 1989, the City has proactively operated the WWTP, by implementing improvements and retrofits to more efficiently operate and treat the City's wastewater using current technologies and best practices.

Throughout the years, treatment processes have been modified, pumps and controls replaced, and concrete repaired. However, many of the electrical components throughout the WWTP are original and nearing 30 years old. The VFD and control panel for the effluent pump FP-3-1 does not operate properly and needs replacement.

MEMORANDUM

Purpose and Justification

The existing Allen-Bradley VFD and control panel for the effluent pump FP-3-1 at the City's WWTP is in failing condition. Rockwell Automation is the only provider of the Allen-Bradley VFD and controller which the WWTP pumps are utilizing. The Utilities Department is requesting approval for the sole source purchase of a replacement Allen-Bradley, by Rockwell Automation VFD and controller from Rexel.

The purchase documents were designed by Jacobs Engineering, Inc. to specifically match the motor set-up currently at the WWTP.

The price for the VFD is fair and reasonable compared the previous VFD purchased by the City in 2015.

The FP-3-1 VFD and control runs one of the two 500 horsepower effluent pumps that inject treated wastewater into the City's deep wells. This is system is arguably the most critical of all the City's infrastructure.

Financial

Funding for this project will come out of account Utilities/Sewer/WWTP/CIP 401-3504-535-6500. The project number for the purchase is SE35031701.

Recommendation

Approve the sole source purchase of a replacement Allen-Bradley by Rockwell Automation VFD and controller from Rexel in the amount of \$136,000.00.