



Interoffice Memorandum

October 13, 2023

To: Mayor Jerry L. Demings
-AND-
County Commissioners

From: Carrie Mathes, CFCM, NIGP-CPP, CPPO, C.P.M., Manager II, Procurement
Division

Contact: Mark Ikeler, Manager, Water Reclamation Division
407-254-9880

Subject: Ratification of Purchase Order M112345, Emergency Variable Frequency Drives
for Effluent Pumps at South Water Reclamation Facility

ACTION REQUESTED:

Ratification of Purchase Order M112345, Emergency Variable Frequency Drives for Effluent Pumps at South Water Reclamation Facility, with Icon Supply, Inc., in the amount of \$579,838.

PROCUREMENT:

The purchase order provides for the emergency replacement of the variable frequency drives (VFDs) of two effluent pumps at the South Water Reclamation Facility (SWRF).

FUNDING:

Funding is available in account number 4420-038-1555-0042-6310.

APPROVALS:

The Water Reclamation Division concurs with this recommendation.

REMARKS:

SWRF is a 56 million gallons per day (MGD) water reclamation facility. Current average daily flows are approximately 33 MGD. Disposal of treated effluent is crucial to steady state operations and necessary to prevent environmental harm as well as protecting the health of the public at large. Failure to meet effluent disposal regulatory requirements may cause the Florida Department of Environmental Protection enforcement in the form of a consent order and fines.

The SWRF has six 1,000 horsepower effluent pumps that discharge treated effluent from the facility to the Conserv II Distribution Center. Currently two of the pumps are experiencing failure of the electrical switch gear's VFDs. These are complex systems with very long lead times once ordered; however, the recommended vendor has two units available for direct purchase that can be delivered within a few weeks once a purchase order is approved. Failure to have this work performed immediately could result in regulatory fines, public health impacts, environmental

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impacts and additional costs to the County. Therefore, this project was procured via emergency procedures.

The purchase order was issued to Icon Supply, Inc., a supplier who has two units available for immediate purchase. Pricing is consistent with historical purchases similar in nature to these items and have been found to be fair and reasonable.