

BCC Mtg. Date: Jun. 28, 2016



Interoffice Memorandum

June 6, 2016

TO: Mayor Teresa Jacobs
and the Board of County Commissioners

FROM: Carrie Woodell, Manager, Procurement Division

CONTACT: Andres Salcedo, P.E., Assistance Director, Utilities Department
407-254-9719

SUBJECT: Approval of Purchase Order M79250, Upgrades to the North Plant Effluent Pump Station at South Water Reclamation Facility

ACTION REQUESTED:

Approval of Purchase Order M79250, Upgrades to the North Plant Effluent Pump Station at South Water Reclamation Facility, with Siemens Industry, Inc. in the amount of \$841,124.

PROCUREMENT:

To provide upgrades to existing variable frequency drives (VFDs) and the associated electrical system at the SWRF North Plant Effluent Pump Station.

FUNDING:

Funding is available in account number 4420 038 1555 21 6310.

APPROVALS:

The Utilities Engineering Division concurs with this recommendation.

REMARKS:

Siemens Industry, Inc. is the sole provider for all equipment, services and upgrades to the existing Sinamics Perfect Harmony product line and is the only entity that can restore the original factory warranty. The existing Siemens VFDs were installed in 1998; the equipment is less efficient and frequently out of service. An independent economic evaluation was conducted to compare the following two options:

1. Replacement of essential elements utilizing the latest Siemens VFD technology.
2. Replacement of the entire system to update the equipment to modern standards.

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Thorough evaluation of both options identified that performing upgrades to the VFDs will result in significant cost and time savings. The independent engineering consulting firm, Electrical Design Associates, reviewed the analysis and concurs that performing the upgrades is the most advantageous option for the County.

Price reasonableness for the upgrades has been determined based on past experience by the consulting firm with industrial electrical equipment and price comparison during development of the project against current market values for the same type of equipment.