



Utility Field Operations

Wastewater Pumping
Wastewater Transmission
Stormwater
Water and Reuse Distribution
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MEMORANDUM #2018-64

DATE: November 15, 2018

TO: Otis Thomas, General Services Director

FROM: Nathaniel Watson, Water Distribution Supervisor

C. A. Randolph Brown, Utilities Director

SUBJECT: Standardization of Water and Reuse Distribution Water Meters

Utilities Water and Reuse Distribution, Divisions #3330 and #3355, has utilized and outfitted the City's water/reuse service areas with Neptune meters and appurtenances for the past 27 years. Throughout that period of time, the meters have proven to be very reliable and have evolved in design to provide operational advances realized by the City. In addition to the aforementioned the vendor provides the City a 35% cost discount towards equipment and supplies.

Neptune "smart meters" and software were installed in 2011 to enable AMR (automated meter reading) / AMI (advanced metering technology) data collection. The technology streamlined the City's ability to collect water/reuse usage consumption remotely in near real-time while improving billing accuracy. Equally as important, the smart meters and software provides a safeguard to cross connection control by alerting staff to probable water quality and system integrity concerns related to backflow contamination into the City's potable water supply.

Standardizing all water and reuse meters where possible with Neptune smart meters will ensure a continuity to the developed industry standard and response that the rate payers have come to expect. The Neptune propriety software, equipment and supplies function together to provide the City the means to deliver a dependable and trustworthy product that directly impacts customer inquiry, billing accuracy and system integrity.

Utilities Field Operations request standardization classification for Neptune meters and related appurtenances for the distribution systems. Neptune Technology Group Inc., is the sole source manufacture of its products. Equipment and supply procurement shall be through the following budgeted accounts:

- ❖ 420-7583-533-65-11
- ❖ 412-3330-533-64-65
- ❖ 412-3355-533-64-65

Collectively, Water and Reuse Distribution are estimated to do \$300,000 in procurement given regulatory requirements and the likely projection of construction in the City of Pompano Beach and its service areas.