



**CITY OF FORT LAUDERDALE
City Commission Agenda Memo
REGULAR MEETING**

#20-0142

TO: Honorable Mayor & Members of the
Fort Lauderdale City Commission

FROM: Chris Lagerbloom, ICMA-CM, City Manager

DATE: February 18, 2020

TITLE: Motion Approving Contract for Proprietary Purchase of Electromagnetic Testing and Inspection Services at George T. Lohmeyer Waste Water Treatment Plant - Pure Technologies U.S. Inc. – \$197,696 – **(Commission Districts 1, 2, 3 and 4)**

Recommendation

It is recommended that the City Commission approve a contract, in substantially the form attached, for the proprietary purchase of electromagnetic inspection and testing services for prestressed concrete cylinder piping ("PCCP") and ductile iron piping ("DIP") at the George T. Lohmeyer Waste Water Treatment Plant ("GTL") from Pure Technologies U.S. Inc. ("Pure") in the amount of \$197,696.

Background

The GTL facility was expanded in the early 1980's to increase its treatment capacity. During the expansion sections of the original process piping was replaced with PCCP and DIP to convey wastewater throughout the plant. PCCP produced in this era started experiencing a high rate of premature failures due to changes in the structural design and manufacturing process. GTL has experienced several failures of piping over the years and replacement and rehabilitation of this piping has begun.

Electromagnetic inspection of PCCP involves obtaining a magnetic signature of each pipe segment to identify and quantify broken wire wraps. The inspection will report the approximate number of broken prestressing wire or circumferential wire wraps in each pipe section, providing a quantified assessment for the most predominant PCCP failure mode.

Due to the location of the piping at GTL, a non-destructive, in-situ method of inspection is required to evaluate the piping and keep facility operational during inspection and testing. City staff requested a proposal from Pure to provide inspections services using their proprietary PureRobotics Pipeline Condition Inspection System which is capable analyzing PCCP. The inspection and testing will be conducted on the PCCP from Biological Reactors 1 & 2 to Clarifiers Batteries 1, 2 & 3. In addition, inspection and testing will be conducted on the DIP return activated sludge line to Biological Reactor 2.

On November 12, 2019, Procurement Services issued Bid No. 12346-207 - Notice of Intent to Award a Proprietary Purchase for Electromagnetic Inspection Services, which ended on November 18, 2019. The purpose of this bid was to inform the vendor community that the City was considering deeming this purchase as proprietary, and if any one disagreed that it was indeed a proprietary, they were to inform us before the deadline so we could then bid the product out. During this time, no statements of disagreement regarding the proprietary purchase were received.

Pursuant to Section 2-181(f)(3), Code of Ordinances of the City of Fort Lauderdale, Florida, the City may purchase proprietary items, as defined in Section 2-173, without competitive solicitation. As defined by the Code, a proprietary item is not readily available from more than one supplier, manufacturer, or person and is unique in nature without competitive solicitation.

Resource Impact

There will be a fiscal impact to the City in the amount of \$197,696 for this purchase and \$7,000 for estimated in-house project management fees, for a total of \$204,696. Funds in the amount of \$204,696 are available in the FY2020 Community Investment Plan in the account listed below:

<i>Funds available as of December 19, 2019</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
451-P12251.451-6599	Clarifier Pipe Replacement	Capital Outlay / Construction	\$3,708,810	\$3,689,903	\$204,696
Total					\$204,696

Strategic Connections

This item supports the *Press Play Fort Lauderdale 2024* Strategic Plan, specifically advancing:

- The Infrastructure Focus Area
- Goal 1: Build a sustainable and resilient community
- Objective: Proactively main our water, wastewater, stormwater, road, and bridge infrastructure

This item advances the *Fast Forward Fort Lauderdale 2035* Vision Plan: We Are Ready.

Attachments

Exhibit 1 – Contract

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