



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

#20-0315

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

FROM: Chris Lagerbloom, ICMA-CM, City Manager

DATE: May 5, 2020

TITLE: Motion Approving Contract for Cryogenic Oxygen Plant Maintenance Turnaround at the George T. Lohmeyer Regional Wastewater Treatment Plant - Solutionwerks, Inc. - \$383,100 - **(Commission Districts 1, 2, 3 and 4)**

Recommendation

It is recommended that the City Commission approve a contract, in substantially the form attached, with Solutionwerks, Inc. for Cryogenic Oxygen Plant Maintenance Turnaround at the George T. Lohmeyer Regional Wastewater Treatment Plant ("GTLWWTP") in the amount of \$383,100.

Background

The GTLWWTP includes a complex cryogenic oxygen ("LOX") plant generating facility. It produces approximately 25-30 tons of high-purity oxygen per day. This product is used as the main catalyst for biological wastewater treatment at the plant to maintain compliance with Florida Department of Environmental Protection regulations. The LOX plant utilizes cryogenic processes and technologies (i.e., high pressure and low temperatures), systems and components that require biennial preventative maintenance. Recommended maintenance for this facility includes a biennial shutdown to perform regular and preventive maintenance along with certification and replacement of valves and other equipment needing attention. This maintenance was last completed in April 2018 at a cost of \$457,676.

This is planned as the last biennial preventative maintenance to the cryogenic LOX plant as the City is currently in the procurement phase for new technology. A new building with equipment is scheduled to be completed in 2022.

Due to the specialized nature of this preventive maintenance, the City contracts with qualified firms that provide technical assistance, diagnostic technologies, personnel and supervision during this process which encompasses shutdown and defrost, blow-out of all taps, inspections, diagnoses and repairs, lubrication of parts, start-up, testing, and recommissioning.

On February 11, 2020, the Procurement Services issued Invitation to Bid No. 12381-303 Cryogenic Oxygen Plant Maintenance Turnaround. Solutionwerks, Inc. was the lone bidder as of March 4, 2020. The bid was extended until March 11, 2020 while Procurement staff contacted three potential bidders that downloaded the bid documents. The three potential bidders responded but declined to participate in the current bid. Solutionwerks, Inc. did not indicate if they are a Minority Business Enterprise, Women Business Enterprise, or Small Business Enterprise. Since this is specialty maintenance work that is urgently needed, the City of Fort Lauderdale is requesting approval to award this contract to Solutionwerks, Inc. to perform the required maintenance to the Cryogenic Oxygen generating facility.

Resource Impact

There will be a fiscal impact to the City in the amount of \$383,100 for this contract. Funds for this contract in the amount of \$383,100 are available in the FY 2020 operating budget in the account listed below.

<i>Funds available as of April 20, 2020</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
451-PBS670503-3407	Lohmeyer Regional Plant Operations	Services & Materials/ Equipment Repair & Maintenance	\$17,167,270	\$7,900,550	\$383,100
Total					\$383,100

Strategic Connections

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

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

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

Attachments

Exhibit 1 – Solicitation
Exhibit 2 – Bid Tabulation
Exhibit 3 – Contract

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