



CITY OF FORT LAUDERDALE
City Commission Agenda Memo
REGULAR MEETING

#17-1317

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

FROM: Lee R. Feldman, ICMA-CM, City Manager

DATE: December 5, 2017

TITLE: Motion to Approve Contract for Oxygen Plant Scheduled Maintenance at
the George T. Lohmeyer Regional Wastewater Treatment Plant -
Solutionwerks, Inc. - \$449,900

Recommendation

It is recommended that the City Commission approve a contract with Solutionwerks Inc. for oxygen plant scheduled maintenance at the George T. Lohmeyer Regional Wastewater Treatment Plant (GTL) in the amount of \$449,900.

Background

GTL includes a complex cryogenic liquid oxygen (LOX) plant generating facility. It produces approximately 25 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. LOX plant utilizes cryogenic processes and technologies (i.e. high pressure and low temperatures), systems and components that require frequent 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 on August 23, 2015 at a cost of \$593,000.

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 activity encompassing shutdown and defrost, blow-out of all plant taps, inspections and repairs, lubrication of parts, plant diagnoses, start-up and recommissioning. The existing instrumentation and control system of this LOX plant is based on over 30-year old technology and maintenance of the existing system is critical. As the LOX plant ages, additional equipment within the plant that is not typically replaced every 2-3 years is nearing the end of its service life. Maintaining the equipment has become more time and resource consuming.

On October 2, 2017 the City of Fort Lauderdale issued Invitation to Bid #12059-383 Cryogenic Oxygen Plant Maintenance Turnaround. Solutionwerks, Inc. was the lone bidder as of October 17, 2017. The bid was extended until October 20 while

Procurement staff contacted six bidders from past solicitations. Three past bidders responded but declined to participate in the current bid. 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 LOX generating facility.

Resource Impact

There will be a fiscal impact to the City in the amount of \$449,900 for this contract. Funds for this contract in the amount of \$449,900 are available in the FY 2018 operating budget in the account listed below.

<i>Funds available as of November 14, 2017</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
450-PBS670502-3407	Lohmeyer Regional Plant Maintenance	Services & Materials / Equipment Repairs & Maintenance	\$1,477,874	\$584,941	\$449,900
TOTAL →					\$449,900

Strategic Connections

This item is a *Press Play Fort Lauderdale Strategic Plan 2018* initiative, included with the Infrastructure Cylinder of Excellence, specifically advancing:

- Goal 2: Be a sustainable and resilient community.
- Goal 12: Be a leading government organization, managing our resources wisely and sustainably.
- Objective 1: Proactively maintain our water, wastewater, roads and bridges infrastructure.

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

Attachments

Exhibit 1 – Solicitation
Exhibit 2 – Contract

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