



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

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

DATE: April 7, 2015

TITLE: Liquid Oxygen (Cryogenic) Plant Scheduled Maintenance –
Solutionwerks, Inc. - \$543,000

Recommendation

It is recommended that the City Commission award a contract for the purchase of cryogenic plant scheduled maintenance to the lowest cost, responsive and responsible bidder, Solutionwerks, Inc., utilizing the City's Contract (Form P-0001) in the amount of \$543,000.

Background

The George T. Lohmeyer Regional Wastewater Treatment Facility (GTL) includes a complex Liquid Oxygen (LOX) generating facility. The pure oxygen that is generated is used as the main catalyst for biological wastewater treatment at the plant to maintain compliance with Florida Department of Environmental Protection (FDEP) regulations. The on-site Cryogenic Plant provides this high-purity oxygen in the quantities (25 tons per day) required. Part of the recommended maintenance of this facility includes a biennial shut down to perform regular and preventive maintenance along with certification and replacement of valves and other equipment needing attention. This maintenance was last performed in 2012. The plant requires contracted qualified technical personnel to be on site during maintenance or repair activities to perform shut-down and defrost, blow-out of all plant taps, supervision and inspection of repair crews, and re-start of the plant. The existing Instrumentation and Control system is based on 30-year old technology and maintenance of the existing system is critical.

The Procurement Services Division issued Invitation to Bid Number 453-11547 and received two responses. The City is recommending an award for line item one to Solutionwerks, Inc. the lowest cost, responsive and responsible bidder, in the amount of \$543,000.

Resource Impact

There will be a fiscal impact to the City in the amount of \$543,000. The available balance in the chart below reflects the amount remaining after the removal of pre-encumbrances established for this purchase. The pre-encumbrance is included on requisition RQ1500084 in the amount of \$543,000.

<i>Funds available as of March 12, 2015</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	OBJECT CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Object Code)	AVAILABLE BALANCE (Object Code)	AMOUNT
451-PBS670502-3437	Lohmeyer Regional Plant Maintenance	Services & Materials/ Improvements Repairs and Maintenance	\$1,094,570	\$-58,403	\$498,926
451-PBS670503-3437	Lohmeyer Regional Plant Operations	Services & Materials/ Improvements Repairs and Maintenance	\$6,512,713	\$2,285,649	\$44,074
TOTAL →					\$543,000

Strategic Connections

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

- Goal 2: Be a sustainable and resilient community.
- Objective 1: Proactively maintain our water, wastewater, road, and bridge infrastructure

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

Attachment

Exhibit 1 – Bid Tabulation

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