



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

**#20-0493**

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

**FROM:** Chris Lagerbloom, ICMA-CM, City Manager

**DATE:** July 7, 2020

**TITLE:** Motion Approving Design-Build Contract or George T. Lohmeyer  
Wastewater Treatment Plant Cryogenic Plant Upgrades – PCL Construction,  
Inc. – \$17,395,000 – **(Commission District 1, 2, 3 and 4)**

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**Recommendation**

It is recommended that the City Commission approve a design-build contract, in substantially the form attached, for the George T. Lohmeyer Wastewater Treatment Plant Cryogenic Plant Upgrades project with PCL Construction, Inc., in the amount of \$17,395,000.

**Background**

The George T. Lohmeyer Wastewater Treatment Plant (GTL) operates using a pure liquid oxygen (LOX), cryogenic plant constructed in the late 1970's. The pure oxygen is critical in maintaining the biological treatment process. The cryogenic oxygen plant dates to the original construction of the facility and is at the end of its useful life, inefficient and difficult to maintain. The City spends approximately \$500,000 every two years for routine maintenance and repair on the cryogenic system.

The Public Works Department needs to continue operating GTL as a pure oxygen plant by replacing the current cryogenic plant with a new 40-ton per day Vacuum Pressure Swing Adsorption (VPSA) technology. The VPSA technology utilizes compressed air and filters it through a media to produce high purity oxygen (95%) and avoids subfreezing cryogenic temperatures. The VPSA is safer to operate, less maintenance intensive and less operating expenditure over the next 30 years.

On August 9, 2019, the Procurement Services Division issued Request for Proposals ("RFP") No. 12323-496 to solicit competitive proposals for a highly qualified, experienced, and licensed design-build firm (DBF) to provide design-build services for this project. Two mandatory pre-bid meetings were conducted on August 28, 2019 and September 10, 2019. Three proposals were received on November 15, 2019, from Cardinal Contractors, Inc., Kiewit Water Facilities Florida Co., and PCL Construction, Inc. All proposals were reviewed for compliance with the solicitation specifications and were deemed responsive and

responsible.

On December 4, 2019, the RFP evaluation committee met and shortlisted three proposers to provide presentations about their proposals and qualifications to deliver this

project. Shortlisted proposers made presentations and the City's evaluation committee provided the final ranking for the DBFs on June 12, 2020. The proposal and presentation by PCL Construction, Inc. has met all the specifications of the solicitation and has been deemed the most responsive, responsible, and highest ranked DBF.

### **Resource Impact**

There will be a fiscal impact to the City in the amount of \$17,395,000 for the contract award with allowances included and \$350,000 for estimated in-house project management fees for a total cost of \$17,745,000. Funds for this contract in the total amount of \$13,608,334 are available in the FY 2020 Community Investment Plan in the account listed below with \$4,136,666 contingent upon the approval and appropriation of the consolidated budget amendment CAM #20-0092 on July 7, 2020.

<i>Funds available as of June 26, 2020</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB- OBJECT NAME	MENTED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
451-P11781.451-6501	George T. Lohmeyer Wastewater Treatment Plant Cryogenic Plant Upgrades	Capital Outlay / Force Account Charges	\$ 10,807,606	\$ 10,497,749	\$ 175,000
451-P11781.451-6599	George T. Lohmeyer Wastewater Treatment Plant Cryogenic Plant Upgrades	Capital Outlay / Construction	\$ 10,807,606	\$ 10,497,749	\$ 14,459,415
451-P11917.451-6501	George T. Lohmeyer Wastewater Treatment Plant Reactor 1 & Oxygen Building MCC Electrical Upgrades	Capital Outlay / Force Account Charges	\$ 3,422,500	\$ 3,110,585	\$ 175,000
451-P11917.451-6599	George T. Lohmeyer Wastewater Treatment Plant Reactor 1 & Oxygen Building MCC Electrical Upgrades	Capital Outlay / Construction	\$ 3,422,500	\$ 3,110,585	\$ 2,935,585
<b>TOTAL →</b>					<b>\$ 17,745,000</b>

### **Strategic Connections**

This item is a *Press Play Fort Lauderdale Strategic Plan 2024* initiative, specifically advancing:

- The Infrastructure Focus Area
- Goal 1: Build a sustainable and resilient community.

- Objective: Proactively maintain our water, wastewater, stormwater, road and bridge infrastructure.

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

**Related CAM**

#20-0092

**Attachments**

Exhibit 1 – Final Ranking

Exhibit 2 – Contract

Exhibit 3 – Solicitation, RFQ 12323-496

Exhibit 4 – Cardinal Contractors, Inc. Proposal

Exhibit 5 – Kiewit Water Facilities Florida Co. Proposal

Exhibit 6 – PCL Construction, Inc. Proposal

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