



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

#24-0857

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

FROM: Susan Grant, Acting City Manager

DATE: October 1, 2024

TITLE: Motion Approving Change Order No. 5 for an Optimal Corrosion Control Treatment Pipe Loop Test for the Prospect Lake Clean Water Center – Prospect Lake Water L.P. – \$5,790,004 – **(Commission Districts 1, 2, 3 and 4)**

Recommendation

Staff recommends the City Commission approve Change Order No. 5 with Prospect Lake Water L.P. (Project Company), for operation of an Optimal Corrosion Control Treatment Pilot Test for the Prospect Lake Clean Water Center (PLCWC) in the amount of \$5,790,004.

Background

On February 7, 2023, the City Commission approved a Comprehensive Agreement (CA) with Project Company for the design, construction, and operation of the PLCWC to replace the Charles W. Fiveash Water Treatment Plant. (CAM #23-0196)

The Project Company performed an Optimal Corrosion Control Treatment (OCCT) study, as part of the work required to obtain the Florida Department of Environmental Protection (FDEP) permit to construct the PLCWC. Change Order No. 3 under PO 6189 was issued due to the Project Company's analysis of the study, which concluded additional and larger equipment was needed to meet the recommended water quality parameters to minimize corrosion in the distribution system.

Change Order No. 5 is to perform a Pipe Loop Test as recommended by the OCCT study. The test will confirm and verify the appropriate corrosion inhibitor type and dose to be used for the PLCWC to minimize the metals released from the distribution piping. The pilot unit and pipe loops will remain with the City and will be used for future testing. The results of the test will assist the City in staying in compliance with federal and state water quality standards.

Two (2) Purchase Orders (PO) have been issued for this project – PO 6189 and PO 6191. PO 6189 is for the Enabling Works and City Obligation projects to construct under the CA, and PO 6191 is for the construction of the water plant. Change Order No. 5 will add \$5,790,004 to the project under PO 6189.

Summary of Change Orders to date by Purchase Order:

Purchase Order 6189

Change Order No. 1 added \$371,644 to the project and for raw water testing at the Prospect Lake Wellfield for PFAS and to develop options for meeting the PFAS standard.

Change Order No. 2 added \$445,504 to the project for the construction of a temporary power infrastructure to supply power to the project site during construction.

Change Order No. 3 added \$1,336,774 for additional and larger equipment to meet the water quality standards as recommended in the OCCT Study, which was required as part of the (FDEP) permit for constructing the PLCWC.

(Pending) Change Order No. 4 added \$3,275,339 for construction of the 54-inch feedstock watermain to the PLCWC (CAM #24-0856).

Purchase Order 6191

Change Order No. 1 added \$4,167,756 to the project to increase the size of the administration building and to utilize concrete in lieu of steel for the construction of the administration and nanofiltration buildings (CAM #23-1147).

Change Order No. 2 deducted (\$736,631) from the project after Project Company discovered a discrepancy in previously executed Change Order No. 1, necessitating a deductive change order.

Resource Impact

There will be a fiscal impact to the City in the amount of \$5,790,004 for Change Order No. 5. Funds for this change order are available in the FY2025 Community Investment Plan in the accounts listed below.

Funds available as of September 11, 2024					
ACCOUNT NUMBER	COST CENTER NAME (Program)	CHARACTER/ACCOUNT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
10-494-7999-536-60-6599-P12765	New Water Treatment Plant - Prospect Lake Water Treatment Plant Enabling Works	Capital Outlay/ Construction	\$177,000,001	\$70,258,533	\$5,790,004
TOTAL AMOUNT ►					\$5,790,004

Strategic Connections

This item is a FY 2024 *Commission Priority*, advancing the Infrastructure and Resilience initiative.

This item supports the *Press Play Fort Lauderdale 2029* Strategic Plan, specifically advancing:

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

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

This item supports the *Advance Fort Lauderdale 2040* Comprehensive Plan specifically advancing:

- The Infrastructure Focus Area
- The Sanitary Sewer, Water & Stormwater Element
- Goal 3: Develop and maintain an adequate water supply, treatment and distribution system, which meets existing and projected needs of the service area in an efficient, economical, and environmentally sensitive manner.

Related CAMs

CAM #24-0856

CAM #24-0858

CAM #24-0956

Attachment

Exhibit 1 – Change Order No. 5

Prepared by: Daniel Fisher, P.E., Senior Project Manager, Public Works

Department Director: Alan Dodd, P.E., Public Works