



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

**#26-0496**

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

**FROM:** Rickelle Williams, City Manager

**DATE:** June 2, 2026

**TITLE:** Motion Approving a Fourth Amendment to the Comprehensive Agreement for the Prospect Lake Clean Water Center to Update the Feedstock Water Specifications, Product Water Contract Standards, and Remove All References to Fluoride – Prospect Lake Water, L.P. – (**Commission Districts 1, 2, 3 and 4**)

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**Recommendation**

Staff recommends the City Commission approve the Fourth Amendment to the Comprehensive Agreement for the Prospect Lake Clean Water Center with Prospect Lake Water, L.P. (Project Company), in substantially the form attached, to update Annex G: Feedstock Water Specifications and Annex H-2: Product Water Contract Standards; and to remove all references to fluoride (also referred to as hexafluorosilicic acid) from the Agreement.

**Background**

On February 7, 2023, the City Commission approved a Comprehensive Agreement (CA) with Project Company for the design, construction, and operation of the Prospect Lake Clean Water Center (PLCWC) Water Treatment Plant (CAM #23-0196).

The PLCWC is a new state-of-the-art water treatment plant that will replace the aging Charles W. Fiveash Water Treatment Plant. The facility will utilize nanofiltration and ion exchange technologies to produce up to fifty (50) million gallons of high-quality potable water per day and is engineered to withstand a Category Five (5) hurricane.

Section 4.08 of the Agreement titled, *Commissioning and Performance Testing*, establishes the requirements for commissioning and performance testing prior to commercial operation of PLCWC. The Project Company is required to submit a detailed Commissioning Plan to the City at least 120 days before commissioning begins, identifying the proposed schedule, testing approach, and feedstock water requirements.

This section also incorporates Annex G, Feedstock Water Specifications, by requiring the City to provide feedstock water at the designated delivery point in the required quantity, flow rate, timing, pressure, and quality needed to support commissioning and

performance testing. Section 4.08 further requires performance testing to be conducted in accordance with Annex C-2, including submission of a Performance Test Protocol, City observation of the tests, and delivery of Performance Test Reports for each testing iteration.

These requirements are tied to confirming that the PLCWC can perform as required, including meeting applicable water quality expectations reflected in Annex H-2, Product Water Contract Standards. Once the final Performance Test Report is approved, resolved, or deemed approved, the Project Company must deliver a Performance Test Certificate confirming that the PLCWC is fit for commercial operation.

During membrane pilot testing at the PLCWC project site, the Project Company observed that raw water temperatures exceeded the maximum allowable feedstock water temperature specifications currently set forth in Annex G: Feedstock Water Specifications. In response, City staff directed the Project Company to conduct a feedstock water temperature analysis to evaluate the potential impacts of revising the feedstock water temperature specifications on PLCWC's operational performance, chemical and energy consumption, equipment maintenance and warranties, and product water standards.

Based on the findings of that analysis, the Project Company and City staff determined that certain technical specifications in the CA should be revised to better reflect anticipated operating conditions and maintain alignment with the PLCWC's performance requirements. In addition, State of Florida legislation restricts the addition of certain additives, including fluoride, to public drinking water systems effective July 1, 2025.

Accordingly, the proposed Fourth Amendment will:

- Revise the feedstock water temperature specifications in Annex G: Feedstock Water Specifications from eighteen- and one-half degrees to twenty-five degrees (18.5° – 25°) Celsius to twenty-three degrees to twenty-eight degrees (23° - 28°) Celsius;
- Increase the maximum iron concentration in Annex H-2: Product Water Contract Standards, from 0.15 parts per million (ppm) to 0.20 ppm as a result of actual pilot test conditions; and
- Remove all references to fluoride, also referred to as hexafluorosilicic acid, from the Agreement.

### **Resource Impact**

There is no fiscal impact associated with this item.

### **Strategic Connections**

This item is a Fiscal Year (FY) 2026 Commission Priority, advancing the Infrastructure and Resilience initiative.

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

- The Infrastructure and Resilience Focus Area, Goal 3: 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.

### **Attachments**

Exhibit 1 – Feedstock Water Temperature Analysis

Exhibit 2 – Markups to Annexes

Exhibit 3 – Fourth Amendment to the Comprehensive Agreement

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