



City of Hallandale Beach City Commission Agenda Cover Memo

Meeting Date:	File No.:	Item Type:	1 st Reading	2 nd Reading	
6/22/2026	26-207	<input checked="" type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Other	Ordinance Reading	N/A	N/A
			Public Hearing	<input type="checkbox"/>	<input type="checkbox"/>
			Advertising Required	<input type="checkbox"/>	<input type="checkbox"/>
			Quasi-Judicial:	<input type="checkbox"/>	<input type="checkbox"/>
Fiscal Impact (\$):	Account Balance (\$):		Funding Source:	Project Number:	
\$493,860	\$493,860		403-3398W-565010	P2510	
Contract Required:	P.O. Required:		RFP/RFQ/Bid Number:	Sponsor Name:	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	RFP # FY 2024-2025-14 Consultant Competitive Negotiation Act (CCNA) Continuing Professional Architectural and Engineering Services	Marlon Lobban Director	Public Works	
Strategic Plan Focus Areas:					
<input type="checkbox"/> Fiscal Stability	<input type="checkbox"/> Resident Services	<input type="checkbox"/> Public Safety	<input checked="" type="checkbox"/> Infrastructure & Mobility	<input type="checkbox"/> Economic Development & Affordable Housing	
Implementation Timeline:					
Estimated Start Date: 6/22/2026			Estimated End Date: 5/14/2027		

SHORT TITLE:

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AUTHORIZING A WORK AUTHORIZATION FOR CCNA FIRM HAZEN AND SAWYER, P.C. TO CONDUCT AND PREPARE A STUDY FOR OPTIMAL CORROSION CONTROL TECHNIQUES FOR CONVERSION FROM LIME SOFTENING TO 100% MEMBRANE WATER TREATMENT FOR A NOT TO EXCEED AMOUNT OF FOUR HUNDRED, NINETY-THREE THOUSAND, EIGHT HUNDRED AND SIXTY DOLLARS (\$493,860); AND PROVIDING AN EFFECTIVE DATE.

STAFF SUMMARY:

Summary:

This agenda item seeks City Commission's approval to retain the services of Hazen and Sawyer, to provide a study for Optimal Corrosion Control Techniques (OCCT) in accordance with RFP # FY 2024-2025-14 Consultant Competitive Negotiation Act (CCNA) Continuing Professional Architectural and Engineering Services, for an amount not-to-exceed \$493,860. The above-mentioned consultant will be providing design services based on the following discipline: Water Resources, Stormwater and Wastewater.

Background:

The City of Hallandale Beach (CITY) currently operates a Water Treatment Plant (WTP) consisting of a 10 million gallons per day (mgd) rated lime softening (LS) train and a 6 mgd nanofiltration (NF) facility, comprised of two 3.0 mgd skids, for a total finished water capacity of 16 mgd. The City's potable water supply is derived from its Biscayne Aquifer production wells and from Broward County's South Regional Wellfield (SRW). Water from the City's wells is treated using lime softening, while the SRW supply is treated via nanofiltration at the City's membrane treatment facility.

Per- and polyfluoroalkyl substances (PFAS), including PFOA and PFOS, have been detected in both the City's Biscayne Aquifer wells and in raw water received from the County's SRW. PFAS are synthetic compounds used in a variety of industrial and consumer applications due to their resistance to heat, oil, stains, grease, and water. These substances are persistent in the environment and can accumulate in water sources over time. The U.S. Environmental Protection Agency (EPA) has established a maximum contaminant level (MCL) of 4 parts per trillion for certain PFAS compounds, with compliance required by March 2031* (*presently 2029, but under proposed revision to 2031).

While nanofiltration (NF) and reverse osmosis (RO) are effective treatment technologies for PFAS removal, lime softening is not effective. Accordingly, the City plans to decommission the LS train following the current addition of RO treatment capacity and has committed to transitioning to 100% membrane (NF and RO)-based treatment to meet regulatory requirements.

To support this transition, the City has installed one 2.0 mgd RO skid and is commencing a second interim project to connect the City's Biscayne Aquifer wells to RO treatment. The second 2.0 mgd RO skid is currently in design to treat the City's Biscayne raw water allocation, nominally 4 mgd. These improvements will enable the phased replacement of lime softening and significantly reduce PFAS concentrations in the finished water.

As lime softening is phased out and alternative water supply sources are developed, the City must evaluate and optimize finished water stabilization and corrosion control strategies to ensure continued water quality and regulatory compliance. This includes reassessing the dosage and storage requirements for sodium hydroxide and corrosion inhibitor chemicals currently in use. A finished water stability and corrosion control study will be conducted alongside the design of the new RO skids and associated interconnecting piping. The City will utilize the RO skids as redundant skids, maintaining

the current 50% membrane to 50% lime softened blend, until the optimal corrosion control treatment (OCCT) study is complete and the updates to the post-treatment chemicals under a future project are complete.

Current Situation:

On September 15, 2025, the City Commission approved Resolution No. 2025-113 (Exhibit 2) authorizing continuing service agreements to be awarded in accordance with the Consultant Competitive Negotiation Act (CCNA) per RFP # FY 2024-2025-14 Consultant Competitive Negotiation Act (CCNA) Continuing Professional Architectural and Engineering Services, to a selected group of design professional firms.

The scope of services entails the optimal corrosion control techniques study for conversion to 100% membrane treatment.

Hazen and Sawyer submitted the attached cost proposal to perform the work described above for an amount not-to-exceed \$493,860. This is inclusive of all subconsultants should they be utilized (Exhibit 3).

If approved by the City Commission, the design contract will be finalized, and the estimated Project Design Schedule is as follows:

Commission Award	June 22, 2026
Anticipated Start (NTP)	July 20, 2026
Anticipated Completion	May 14, 2027

Why Action is Necessary:

Pursuant to Code of Ordinances, in accordance with Procurement Code Section 23-5 Competitive procurement required; Procurement Mechanisms, (5) Continuing Services Agreements. Individual purchase of services quoted on a per-project basis pursuant to the terms solicited via RFP. Furthermore, Section 23-9, Award, (e) The City Manager may award procurements within the delegated spending authority. All other procurements, except emergency procurements, require commission approval for award.

Cost Benefit:

This project is a critical component of the City’s broader strategy to ensure the continued delivery of high-quality, PFAS-compliant drinking water to its residents and neighboring communities, while also preparing for future water supply challenges and regulatory obligations.

PROPOSED ACTION:

The City Commission considers the attached Resolution.

ATTACHMENT(S):

- Exhibit 1 – Resolution
- Exhibit 2 – Resolution 2025-113
- Exhibit 3 – Hazen and Sawyer Proposal

Exhibit 4 – Hazen and Sawyer Agreement

Prepared By: Manga Ebbe
Manga Ebbe
Construction Project Manager

Reviewed By: Jeffrey "JT" Towne
Jeffrey "JT" Towne
Assistant Public Works Director

Reviewed By: Marlon Lobban
Marlon Lobban
Public Works Director

Reviewed By: Clarence Woods
Clarence Woods
Assistant City Manager

Reviewed By: Noemy Sandoval
Noemy Sandoval
Assistant City Manager