



City of Hallandale Beach City Commission Agenda Cover Memo

Meeting Date:	File No.:	Item Type:	1 st Reading	2 nd Reading	
6/18/2025	25-176	<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:	
\$1,059,732		\$1,059,732*	Tranche 2 Bond Proceeds*	P2510	
Contract/P.O. Required		RFP/RFQ/Bid Number:	Sponsor Name:	Department:	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<small>RFP # FY 2018-2019-012 CONSULTANT COMPETITIVE NEGOTIATION ACT (CCNA) CONTINUING PROFESSIONAL ARCHITECTURAL AND ENGINEERING SERVICES AND OTHER SERVICES</small>	Jeffrey Towne Interim Director of Public Works	Public Works	
Strategic Plan Focus Areas:					
<input checked="" 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: 6/30/2025			Estimated End Date: 11/11/2028		

SHORT TITLE:

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AUTHORIZING A WORK AUTHORIZATION FOR CCNA ENGINEERING FIRM HAZAN AND SAWYER TO PROVIDE DESIGN AND CONSTRUCTION SERVICES AND STARTUP OF THE REVERSE OSMOSIS (RO) SKID NO. 2 (P2510) PROJECT FOR A NOT-TO-EXCEED DESIGN FEE OF ONE MILLION, FIFTY-NINE THOUSAND, SEVEN HUNDRED AND THIRTY-TWO DOLLARS (\$1,059,732); 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 design and oversee construction and startup of the Reverse Osmosis (RO) Skid No. 2 (P2510) Project in accordance with RFP #2018-2019-012 – Continuing Professional Architectural and Engineering Services, for an amount not-to-exceed \$1,059,732. The above-mentioned consultants will be providing design and construction services based on the following discipline: Water Resources/Stormwater Design/Wastewater Engineering Services. The preliminary opinion of probable cost for this project is \$6,100,000 (Exhibit 4).

Background:

On August 5, 2020, the City Commission approved Resolution No. 2020-054 authorizing continuing service agreements to be awarded in accordance with the Consultant Competitive Negotiation Act (CCNA). (Exhibit 2).

On March 15, 2023, the City Commission approved Resolution No. 2023-025 (Exhibit 5) awarding Bid # FY 2021-2022-016 Water Treatment Plant Reverse Osmosis Skid No. 1 (P2127) project to Cardinal Contractors, Inc. for the installation of the first new reverse osmosis skid in the existing membrane building. That RO Skid 1 is constructed and will shortly commence operation.

The Public Works team continues to reassess the City's current infrastructure picture, based on our findings during past and recent emergency response to infrastructure failure, we believe we need to immediately initiate as many projects for design as we can to engage in an effective rehabilitation strategy and increase in treatment redundancy for the City.

Further, the addition of the two reverse osmosis skids (RO Skid 1 recently constructed and this RO Skid 2) enables the City to ultimately convert from lime softening of the City wells and the Biscayne aquifer well water to reverse osmosis treatment of the City wells. This will remove per- and polyfluoroalkyl substances (PFAS) contaminants from the City's system. The City is required, as are all water treatment plants in the United States, to remove PFAS to below the regulatory limits of four parts per trillion before March 2029. Further, to avoid potential issuance of Notice of Violations related to the three quarters prior to the deadline, treatment must be installed and operational by end of second quarter 2028. The City will separately study and update the finished water stabilization techniques before 100% conversion to membrane treatment but the installation of the skids is critical to the removal of the PFAS from the City's water system.

Current Situation:

The City of Hallandale Beach owns, operates, and maintains the water treatment plant which services approximately 40,000 people within the City's corporate limits. The City of Hallandale Beach has elected to continue utilizing City water for the longest extent possible by incorporating provisions to the existing water treatment plant that can accommodate potentially higher salinity raw water.

As a precaution to safeguard against the future potential intrusion of saltwater into the City's wellfield and as a means of removing PFAS, the City of Hallandale Beach will install the second reverse osmosis (RO) skid within the existing membrane treatment facility, capable of treating potential increasing saline City water and/or future Floridan Aquifer supply.

This scope of services will include the design, permitting, bid assistance and construction administration for connecting the membrane building to existing City Well Nos. 7, 8, and 9 raw water piping, interconnect to accommodate future piping from Floridan Aquifer wells and sand separators, RO skid of 2.0 MGD capacity with feed pump and appurtenances, cartridge filter and interconnecting piping in the membrane building.

The City of Hallandale Beach has elected to move forward with the installation of the new RO skids to provide additional flexibility and redundancy in our drinking water operations.

Hazen and Sawyer submitted the attached cost proposal to perform the work described above for an amount not-to-exceed \$1,059,732. This is inclusive of all subconsultants should they be utilized (Exhibit 3).

This agenda item requests the use of bond proceeds from Tranche 2 to fund the design through construction oversight contract. A bond reimbursement resolution for Tranche 2 bond funding will be presented to the City Commission in June 2025, for approval.

Why Action is Necessary:

Pursuant to Chapter 23, Section 23-4, Competitive Bidding Required, all purchases of and contracts for equipment, supplies and contractual services, when the estimated cost shall exceed \$50,000.00 shall be based on competitive bids. Furthermore, pursuant to Chapter 23, Section 23-6, Award of Contract, the City Manager, shall have the authority to recommend to the City Commission award of contracts.

Additionally, Section 23-8(7) Continuing Services Agreements, Individual purchases for professional services not exceeding \$75,000 made pursuant to continuing services agreements resulting from a publicly solicited request for proposals may be approved by the City Manager

Cost Benefit:

The RO Skids update will provide additional flexibility and redundancy in operations. Also providing a precaution to safeguard against future potential intrusion of saltwater into the City's wellfield.

PROPOSED ACTION:

City Commission to consider the attached Resolution.

ATTACHMENT(S):

- Exhibit 1 – Resolution
- Exhibit 2 – Resolution No. 2020-054
- Exhibit 3 – Scope of Services Proposal
- Exhibit 4 – Opinion of Probable Cost
- Exhibit 5 – Resolution No. 2023-025

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