



## City of Hallandale Beach City Commission Agenda Cover Memo

**Hallandale Beach**  
PROGRESS. INNOVATION. OPPORTUNITY.

Meeting Date:	Item Type:		1 <sup>st</sup> Reading	2 <sup>nd</sup> Reading
<b>9/2/2020</b>	<input checked="" type="checkbox"/> <b>Resolution</b> <input type="checkbox"/> <b>Ordinance</b> <input type="checkbox"/> <b>Other</b>	Ordinance Reading	<b>N/A</b>	<b>N/A</b>
		Public Hearing	<input type="checkbox"/>	<input type="checkbox"/>
		Advertising Required	<input type="checkbox"/>	<input type="checkbox"/>
		Quasi Judicial:	<input type="checkbox"/>	<input type="checkbox"/>
File No.:				
<b>20-271</b>				
Fiscal Impact (\$):	Account Balance (\$):	Funding Source:	Project Number :	
<b>\$185,615</b>	<b>490-3320W-565000=\$2,410,001</b>	<b>490-3320W-565000(CONSTRUCTION IN PROGRESS)</b>	<b>P1606</b>	
Contract/P.O. Required	RFP/RFQ/Bid Number:	Sponsor Name:	Department:	
<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>	<b>RFP # FY 2018-2019-012</b>	<b>James Sylvain, Director</b>	<b>Public Works</b>	
Strategic Plan Focus Areas:				
<input type="checkbox"/> <b>Financial</b>	<input type="checkbox"/> <b>Organizational Capacity</b>	<input checked="" type="checkbox"/> <b>Infrastructure</b>	<input type="checkbox"/> <b>Development, Redevelopment and Economic Development</b>	
Implementation Timeline				
Estimated Start Date: 10/1/2020    Estimated End Date: 10/1/2021				

### SHORT TITLE:

**A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AUTHORIZING THE UTILIZATION OF PROFESSIONAL INSPECTION SERVICES OF HAZEN AND SAWYER DURING THE CONSTRUCTION OF THE TRANSFER PUMP PROJECT, IN ACCORDANCE WITH RFP #2013-2014-006 – CONTINUING SERVICES AGREEMENTS, FOR \$185,615 (ONE HUNDRED EIGHTY-FIVE THOUSAND SIX HUNDRED FIFTEEN) DOLLARS; AND PROVIDING AN EFFECTIVE DATE.**

## **STAFF SUMMARY:**

### **Summary:**

This agenda item seeks City Commission approval to retain the services of Hazen and Sawyer to provide inspection services during the construction of the Transfer Pump Project, in accordance with RFP #2013-2014-006 – Continuing Services Agreements for a not-to-exceed of \$185,615.

### **Background:**

The City of Hallandale Beach (City) has successfully maintained the Water Treatment Plant's (WTP's) transfer pumps (TPs) since 1968. The transfer pumps move treated water from the clearwell to our above ground storage tanks. All three pumps discharge to a common transfer manifold which also supplies filter backwash water to the city's bed filters. The pumps are beyond the end of their normal economic lives (typically 20-30 years). City staff have reported that current pump capacities have decreased to approximately 80% of their original design capacities. The transfer pumping station transfers all finished water to storage, including lime softened product and nanofiltration product. Total transfer pumping capacity is currently less than the WTP's rated capacity of 16.0 MGD. Modification of transfer piping and construction of the 2.0 MG storage tank in 1980 created the current configuration in which the pressure available for filter backwashing is dependent on the level in the 2.0 MG tank. This has apparently contributed to filter backwashing deficiencies. As you can see the transfer pumps service a vital role in providing the residents clean and safe drinking water.

The City previously retained a consultant, Hazen and Sawyer, to complete the conceptual evaluation of the replacement of the TPs (Exhibit 2). As recommended in this evaluation, the City has decided to install three TPs equipped with variable frequency drives (VFDs). Variable speed operation will allow transfer sump level to be controlled by pump speed. It also allows pumps to operate more efficiently at reduced speed when the storage tank is partially full and at higher speed for filter backwash as required.

### **Current Situation:**

Staff has reviewed the Hazen and Sawyer's scope of services proposal (Exhibit 3) and recommends entering into an agreement with Hazen and Sawyer for their providing inspection services during the construction of the Transfer Pump Project.

### **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.

**Cost Benefit:**

The potential cost benefit of having Hazen and Sawyer assist the City in Construction Inspections would help in lowering the risk of change orders. They will also help expediate any Request For Information (RFI). In considering both factors this will have an overall time/cost savings to the project.

**PROPOSED ACTION:**

Staff recommends City Commission's approval of a resolution authorizing the City Manager to enter into an agreement with Hazen and Sawyer to provide inspection services during the construction of the Transfer Pump Project, in accordance with RFP #2013-2014-006 – Continuing Services Contract - for a not-to-exceed total of \$185,615.

**ATTACHMENT(S):**

Exhibit 1 - Proposed Resolution  
Exhibit 2 - Transfer Pumping Evaluation  
Exhibit 3 - Transfer Pumps CMS - Scope - 2020-07-10