



Hallandale Beach
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400 South Federal Hwy
Hallandale Beach, FL 33009

City of Hallandale Beach City Commission Agenda Cover Memo

Meeting Date:	March 15, 2017		Item Type: <small>(Enter X in box)</small>	X	Resolution	Ordinance	Other
Fiscal Impact: <small>(Enter X in box)</small>	Yes	No	Ordinance Reading: <small>(Enter X in box)</small>		1st Reading		2nd Reading
	X		Public Hearing: <small>(Enter X in box)</small>		Yes	No	Yes
Funding Source:	490-3320W-565000 (Utility Fund, Production, Capital Improvement Projects)		Advertising Requirement: <small>(Enter X in box)</small>		Yes		No
							X
Account Balance:	FY 2016-2017 Budget 490-3320W-565000 - \$1,750,000.00		Quasi-Judicial: <small>(Enter X in box)</small>		Yes		No
							X
Project Number :	P1606		RFP/RFQ/Bid Number:		RFP # FY 2015-2016-025		
Contract/P.O. Required: <small>(Enter X in box)</small>	Yes	No	Strategic Plan Priority Area: <small>(Enter X in box)</small>				
	X						
			Safety		<input checked="" type="checkbox"/>		
			Quality		<input checked="" type="checkbox"/>		
			Vibrant Appeal		<input type="checkbox"/>		
Sponsor Name:	Roger M. Carlton, City Manager		Department: Public Works		Steven F. Parkinson, P.E., PWLF, Director		

Short Title:

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AUTHORIZING THE CITY MANAGER TO EXECUTE AN AGREEMENT WITH HAZEN AND SAWYER, INC., FOR THE SCOPE OF SERVICES PROVIDED IN EXHIBIT 4 FOR DESIGN AND PERMITTING OF THE WATER TREATMENT PLANT HIGH SERVICE PUMPS PHASE I FOR AN AMOUNT NOT TO EXCEED THREE HUNDRED NINETY-NINE THOUSAND, NINE HUNDRED FORTY-NINE (\$399,949.00) DOLLARS; FURTHER AUTHORIZING THE CITY MANAGER TO EXECUTE ALL RELATED DOCUMENTS TO EFFECTUATE THE PROJECT; AND PROVIDING AN EFFECTIVE DATE.

Staff Summary:

Background:

The City has 4 high service pumps (HSPs), which move finished water to customer's taps. The existing HSPs are located at the City of Hallandale Beach Water Treatment Plant (WTP) and were installed in 1967. It has been reported by staff that the HSP Nos. 1 and 2 were replaced in the early 1980s. Therefore, the age of the pumps ranges from about 30 to 47 years old. The useful life of pumps in this service generally range from 20 to 30 years. The pumps are at or beyond the end of their normal economic lives. Pump efficiencies and capacities have declined because of internal wear. In addition, total HSP capacity is insufficient to meet projected future peak hour flow capacity and provide sufficient pressure in the future for adequate fire flows and level of service in some parts of the service area.

The City previously retained a consultant, Hazen and Sawyer, to complete the conceptual evaluation of the replacement of the HSPs (Exhibit 2). As recommended in this evaluation, the City has decided to install four HSPs equipped with variable frequency drives (VFDs). VFDs allow pressure to be increased during high demand periods or in response to a major fire flow. Pressure can also be decreased during periods of low demand to save energy or to conserve water during drought restrictions.

Current Situation:

During the January 25, 2017 Commission meeting the City Commission awarded RFP # FY2015-2016-025 CCNA Design Service Pumps and Transfer Pumps at the City of Hallandale Beach Water Treatment Plant to Hazen and Sawyer via Resolution 2017-006 (Exhibit 3). This resolution authorized the City Manager and the City Attorney to negotiate an agreement (Exhibit 4) with Hazen and Sawyer and to bring this agreement back for City Commission approval.

The City desires to retain the services of Hazen and Sawyer to prepare the design documents for the replacement of the aforementioned high service pumps.

Exhibit 5 includes the full scope of work for the services that Hazen and Sawyer shall provide the City for the design, permitting, assistance with bidding and construction oversight assistance for the replacement of the HSPs. A breakdown of the scope of work can be seen below:

1. Design services – prepare detailed design drawings and technical specifications that detail the character and extent of the project. The design will be based on removing all of the high service pumps from the building and installing proposed pumps while the City maintains high service pumping from the existing diesel pump and additional rented high service pumping equipment.

2. Permitting – prepare applications and obtain the required permits from Broward County Environmental and Growth Management (BCEPGMD), Broward County Health Department and the City of Hallandale Beach Building Department.
3. Bid services – assist the City during the bid process
4. Construction oversight assistance – construction phase coordination, contract interpretation, request for information, change orders, submittals, discipline observations, control system field testing, meetings, record drawings, project

This design, permitting, assistance with bidding and construction oversight assistance will require an expenditure not to exceed \$400,000.

Proposed Schedule

Task	Description	Duration for task/subtask (days)	Calendar Days From Notice To Proceed
1	Design <ul style="list-style-type: none">• 60% Design• City Review of 60% Design• 100% Design• City Review of 100% Design• Prepare Permit Set Documents	100 15 120 15 20	100 115 235 250 270
2	Permitting	90	360
3	Bid Services	60	420
4	Construction Oversight Assistance	365	785

Fiscal Impact

Current funding available:

Funding is currently available in Capital Improvement Project # P1606, High Service Pumps, in the Water Fund (490-3320W-565000) in the amount of \$1,750,000. This funding amount includes expenditures for design, permitting, bidding and construction oversight in the amount of \$400,000 (budgeted during FY 15-16) and construction funding in the amount of \$1,350,000.

The preliminary construction cost for Phase 1 is \$2.7 million and necessary funding will be split over two fiscal year budgets: \$1,350,000 was budgeted in FY 16-17 (paragraph above) and \$1,350,000 will be requested in FY 17-18.

It should be noted that projects of this magnitude and need may require a rate adjustment. There will be more detail on this in the FY17-18 budget proposal.

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.

As the aforementioned purchase will be in excess of the City Manager's purchasing authority, City Commission authorization is required.

Proposed Action:

Staff recommends that the City Commission adopt the attached resolution authorizing the City Manager to approve the Scope of Work for Water Treatment Plant High Service Pumps Phase I to Hazen and Sawyer, Inc., providing for all items included in Exhibit 5 for a total amount not to exceed \$399,949.00

Attachment(s):

Exhibit 1 – Resolution
Exhibit 2 – Hazen and Sawyer HSP Efficiency Evaluation
Exhibit 3 – Resolution 2017-006
Exhibit 4 – Hazen and Sawyer Agreement
Exhibit 5 – HSPs Replacement – Hazen and Sawyer Scope of Work Phase I

Prepared by:



Susan Fassler