



## City of Hallandale Beach City Commission Agenda Cover Memo

Meeting Date:	Item Type:		1 <sup>st</sup> Reading	2 <sup>nd</sup> Reading
12/18/2019	<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 :	
117,615.00	131,382.00	Utility Fund 490-3590-531010	P1905	
Contract/P.O. Required	RFP/RFQ/Bid Number:	Sponsor Name:	Department:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	RFP #FY2013-2014-006	James F. Sylvain, P.E.	Public Works	
Strategic Plan Focus Areas:				
<input type="checkbox"/> Financial	<input type="checkbox"/> Organizational Capacity	<input checked="" type="checkbox"/> Infrastructure	<input checked="" type="checkbox"/> Development, Redevelopment and Economic Development	
Implementation Timeline				
Estimated Start Date: 2/3/2020    Estimated End Date: 10/2/2020				

### SHORT TITLE:

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AUTHORIZING THE CITY MANAGER TO ISSUE A WORK AUTHORIZATION TO CALVIN GIORDANO AND ASSOCIATES, INC. IN ACCORDANCE WITH RFP #FY2013-2014-006, CONTINUING SERVICES, TO PROVIDE PROFESSIONAL ENGINEERING DESIGN AND PERMITTING SERVICES FOR A PHASE II DESIGN TO EXTEND THE REUSE WATER USAGE TO PORTIONS OF THREE ISLAND BOULEVARD (BETWEEN SCAVO PARK AND HALLANDALE BEACH BOULEVARD) AND THE ENTIRE LENGTHS OF PARKVIEW DRIVE AND LESLIE DRIVE ROADWAYS FOR AN AMOUNT NOT-TO-EXCEED ONE HUNDRED SEVENTEEN THOUSAND SIX HUNDRED AND FIFTEEN DOLLARS (\$117,615); AND PROVIDING FOR AN EFFECTIVE DATE.

## **STAFF SUMMARY:**

### **Summary:**

Staff proposes to retain Calvin Giordano and Associates, Inc. to provide engineering design and permitting services to extend the water reuse project to Three Island Boulevard (between Scavo Park and Hallandale Beach Boulevard), Parkview Drive and Leslie Drive.

### **Background:**

The City of Hallandale Beach shares the same water resource challenges as many other utilities in South Florida. With a population that is rising, coupled with the limitations of the Biscayne Aquifer, the City must plan carefully to meet the water supply needs of the future.

The City of Hallandale Beach currently transmits the wastewater generated throughout its boundaries to the Southern Regional Wastewater Treatment Plant in Hollywood. The Southern Regional Wastewater Treatment Plant treats the wastewater thus creating reuse or reclaim water.

The utilization of reuse water assists the environment by creating a climate independent water source that is dependable, locally-controlled, and generally beneficial to the environment. Water reuse allows municipalities to become less dependent on potable water for landscape irrigation and has the potential to decrease the diversion of water from sensitive ecosystems. Additionally, water reuse may reduce the nutrient loads from wastewater discharges into waterways thus reducing and preventing pollution.

On June 15, 2011, the City Commission authorized the submittal of a grant application to the Broward County Integrated Water Resource Program (IWRP) for Fiscal Year 2010-2011. This grant application requested funding for the implementation of a reuse water program utilizing reuse water from the City of Hollywood. This grant assisted in funding the feasibility study for the reuse water transmission line from Wiley Street in Hollywood to Joseph Scavo park in the Three Islands area.

On March 29, 2013, a feasibility study providing the engineering design services for the construction of an eight (8) inch reclaimed water main was completed by Miller Legg (Exhibit 2). The 8 inch main would provide reuse water from the City of Hollywood to Joseph Scavo Park. The reuse water will be used to irrigate Scavo Park as well as the surrounding medians on Three Islands Boulevard. This initial project (Phase I) will form the backbone of a larger reuse service area that may be developed in the future.

On March 18, 2015 the City Commission authorized the award of a contract utilizing RFP # FY 2013-2014-006, Continuing Professional Architectural and Engineering Services Contract, to EAC Consulting Inc. (Exhibit 3). This contract expanded the feasibility study to include engineering design plans, permitting and limited post design services.

On May 6, 2016, the City issued an Invitation to Bid FY2015-2016-009-001, Three Islands Reuse Irrigation Project (Phase I). Close Construction, LLC was the responsive, responsible and lowest

bidder. On August 17, 2016, the City Commission authorized the award of RFP FY2015-2016-009-001 (Phase I Construction) to Close Construction, LLC (Exhibit 4).

**Current Situation:**

Construction of Phase I of the Three Islands Reuse Irrigation Project was completed on April 13, 2018. Phase I design allowed for the expansion of the reuse water project. To further reduce its potable water consumption, the City is expanding the existing Phase I Water Reuse Project. Phase II design will extend the reuse water usage to portions of Three Island Boulevard (between Scavo Park and Hallandale Beach Boulevard) and the entire lengths of Parkview Drive and Leslie Drive roadways (Exhibit 5).

Utilizing the Consultants' Competitive Negotiation Act (CCNA), Continuing Professional Architectural and Engineering Services RFP #FY 2013-2014-006, Staff was able to solicit the services of Calvin, Giordano & Associates, Inc. to provide design services to include engineering plans, permitting and limited post design services.

On October 4, 2019, Calvin, Giordano and Associates, Inc., submitted a fee proposal to develop construction documents for Phase II of the reuse water project (Exhibit 6).

The scope of work for Calvin, Giordano & Associates, Inc., includes the following:

1. Project Management.
2. Utility Coordination and Subsurface Investigation.
3. Route Survey.
4. Geotechnical Engineering Services.
5. Design Submission.
6. Electrical Engineering Services.
7. Permitting.
8. Bidding Services.
9. Limited Construction Services.

Calvin, Giordano and Associates, Inc., submitted a cost proposal in the amount of \$117,615 (Exhibit 6).

**Why Action is Necessary:**

Pursuant to Chapter 23 – Procurement Code, Section 23-6 Award of Contract, The City Manager shall have the authority to recommend to the City Commission award of contracts.

**Cost Benefit:**

Based on the proposed 25,000 gallons per day of reuse water that will be supplied to the City of Hallandale Beach by the City of Hollywood at the rate of \$0.10 / 1000 gallons (per the ILA – Exhibit 7), this equates to \$2.50 / 25,000 gallons. The City of Hallandale Beach water usage charge is approximately \$49.51 / 25,000 gallons (Exhibit 8). This will produce a projected savings of \$47.01 / 25,000 gallons per day, equating to **\$17,158.65** per year.

The proposed project will also reduce the consumption of potable water thus, reducing the demand for the Biscayne Aquifer water. Given the fact that the Biscayne Aquifer water has a limited supply, it is increasingly important that alternative water supply sources be implemented. One alternative water supply is reuse (or reclaim) water, and one of the most effective uses of reclaim water is irrigation. It will also benefit the environment by serving as an effective means of water conservation.

<b>PROPOSED ACTION:</b>
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Staff recommends approval of the resolution authorizing the City Manager to approve utilizing Calvin Giordano and Associates, Inc. to provide engineering design and permitting services, in accordance with RFP #FY2013-2014-006, Continuing Services Contract, for a total amount not to exceed \$117,615.00.

<b>ATTACHMENT(S):</b>
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Exhibit 1 – Resolution  
Exhibit 2 – Feasibility Study – Miller Legg  
Exhibit 3 – Resolution 2015-14  
Exhibit 4 – Resolution 2016-119  
Exhibit 5 – Phase II - Project Limits  
Exhibit 6 - Calvin, Giordano and Associates, Inc. – Cost Proposal  
Exhibit 7 - Three Island Re-Use Interlocal Agreement (ILA)  
Exhibit 8 - FY Water and Sewer public notice - adopted rate increase