



**CITY OF FORT LAUDERDALE**  
**City Commission Agenda Memo**  
**REGULAR MEETING**

**#17-0984**

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**TO:** Honorable Mayor & Members of the  
Fort Lauderdale City Commission

**FROM:** Lee R. Feldman, ICMA-CM, City Manager

**DATE:** September 6, 2017

**TITLE:** Motion Authorizing Evaluation of Alternatives and Design, Permitting,  
Bidding Assistance and Construction Assistance for Peele-Dixie Water  
Treatment Plant Degasifier and Chemical Tanks Improvements – CH2M  
HILL Engineers, Inc. – \$158,992.50

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**Recommendation**

It is recommended that the City Commission approve Task Order No. 4, with CH2M Hill Engineers, Inc., to determine repair and replacement options for the degasifiers and sodium hypochlorite storage tanks at the Peele-Dixie Water Treatment Plant (WTP), and then assist the City in implementing the preferred option, in an amount not to exceed \$158,992.50.

**Background**

The two degasifiers at the WTP contain media that is not functioning properly due to mineral accumulation and need to be replaced. Under this task order, CH2M Hill Engineers (CH2M Hill), will recommend options for replacement of the media, design a cleaning system that will slow the mineral accumulation in the media, and prepare specifications for a contractor to replace the media in the degasifiers and install the cleaning system without impacting the overall operation of the WTP.

There are four sodium hypochlorite tanks at the WTP. Three have capacities of 11,450 gallons and one has a capacity of 950 gallons. All the tanks are at their estimated life expectancy, and all have leaks. Replacement of the tanks is a challenge. The building enclosure for the tanks was constructed with special “knock out” panels in the masonry block walls that would be demolished and rebuilt to facilitate removal and replacement of the tanks. Under this task order, CH2M Hill will evaluate options to rehabilitate the tanks in place and options for replacement of the tanks with or without demolishing and rebuilding the knock out panels. CH2M Hill will evaluate the repair or replacement options for the tanks, prepare a design and scope of work for a contractor to implement the City’s preferred options and then assist the City through the bidding and implementation process.

**Resource Impact**

There will be a fiscal impact to the City in the amount of \$158,992.50. Funds for this task order in the amount of \$158,992.50 are available in the FY 2017 Community Investment Plan in the accounts listed below:

<i>Funds available as of August 2, 2017</i>					
<b>ACCOUNT NUMBER</b>	<b>INDEX NAME (Program)</b>	<b>CHARACTER CODE/ SUB-OBJECT NAME</b>	<b>AMENDED BUDGET (Character)</b>	<b>AVAILABLE BALANCE (Character)</b>	<b>AMOUNT</b>
454-P12295.454-6599	Peele Dixie Air Strippers and Hypochlorite	Capital Outlay / Construction	\$ 600,000	\$ 595,911	\$ 158,992.50
<b>TOTAL →</b>					<b>\$ 158,992.50</b>

**Strategic Connections**

This item is a *Press Play Fort Lauderdale Strategic Plan 2018* initiative, included within the Infrastructure Cylinder of Excellence, specifically advancing:

- Goal 2: Be a sustainable and resilient community.
- Objective 1: Proactively maintain our water, wastewater, road, and bridge infrastructure.

This item advances the *Fast Forward Fort Lauderdale 2035 Vision Plan: We Are Ready*.

**Attachment**

Exhibit 1 – Task Order No 4 – CH2M HILL

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Prepared by: Jorge Holguin, Public Works,  
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Department Director: Paul Berg, Public Works