

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: September 18, 2018 Consent [X] Regular [ ]  
Public Hearing [ ]

Department: Water Utilities Department

I. EXECUTIVE BRIEF

**Motion and Title:** Staff recommends motion to approve: **A)** Contract with Kimley-Horn and Associates, Inc., for Water Treatment Plant No. 2 (WTP 2) Treatment and Disposal Improvements (Contract); and **B)** Consultant Services Authorization No. 1 (CSA 1) for WTP 2 Treatment and Disposal Improvements Design, Bidding and Permitting Services in the amount of \$1,366,970.24.

**Summary:** The selected engineering firm was procured under the provisions of Florida Statutes 287.055 (Consultant Competitive Negotiation Act). The Contract will be used by the Water Utilities Department (WUD) to obtain consulting/professional services in the area of engineering for projects providing improvements to treatment and disposal systems at WTP 2. Consultant Services Authorizations will be negotiated and issued against this Contract on a task basis at the sole discretion of the County. The Contract has a term of five (5) years. Kimley-Horn and Associates, Inc., a North Carolina Corporation authorized to do business in the State of Florida, has an office in Palm Beach County. Kimley-Horn and Associates, Inc., has agreed to meet or exceed a 54% Small Business Enterprise (SBE) participation goal and a 4% Minority and Women's Business Enterprise (M/WBE) goal.

CSA 1 includes design, permitting and bidding services for a 15 million gallon-per-day (MGD) lime softening treatment unit, a five (5) million gallon (MG) water storage tank, MIEX® anion exchange and facility improvements and a deep injection well, which will be sized for disposal of the MIEX® brine waste and future membrane concentrate associated with water treatment plant expansions at WTP 2. CSA 1 includes 45.78% SBE and 4.16% M/WBE participation. Additional SBE and M/WBE participation will be provided in the future for engineering services during construction. The Project is included in the FY18 Capital Improvement Plan for WUD and adopted by the Board of County Commissioners. (WUD 17-065 Contract and 18-066 CSA 1) District 2 (MJ).

**Background and Justification:** WTP 2 was a developer-constructed facility using steel fabricated treatment units. WUD has a comprehensive plan for future upgrades to WTP 2. The original lime softening unit 1 constructed in 1973 will be demolished and unit 2 constructed in 1981 will be placed in standby when the new 15 MGD lime softening unit is completed. A new five (5) MG water storage tank will be constructed to increase reliability for hurricanes and to provide fire flow. Optimization of the MIEX® system will reduce resin loss and lower operating costs. The MIEX® brine waste is currently disposed in the sanitary sewer system. A deep injection well will be constructed at WTP 2 for the MIEX® brine waste disposal which will improve the reclaim water quality at the East Central Region Water Reclamation Facility. The deep injection well will be sized for future membrane treatment expansions for concentrate disposal.

**Attachments:**

1. Four (4) Contract for Consulting/Professional Services
2. Four (4) Consultant Services Authorization No. 1
3. Location Map
4. Certificate of Liability Insurance

Recommended By: Jim Stiles 8-22-18  
Department Director Date

Approved By: Walt J. Blum 8/31/18  
Assistant County Administrator Date

**II. FISCAL IMPACT ANALYSIS**

**A. Five Year Summary of Fiscal Impact:**

Fiscal Years	2018	2019	2020	2021	2022
Capital Expenditures	<u>\$1,366,971</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Operating Costs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>NET FISCAL IMPACT</b>	<b><u>\$1,366,971</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>
<b># ADDITIONAL FTE POSITIONS (Cumulative)</b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>
<b>Budget Account No.:</b>	<b>Fund <u>4011</u></b>	<b>Dept <u>721</u></b>	<b>Unit <u>W002</u></b>	<b>Object <u>6541</u></b>	


Is Item Included in Current Budget? Yes  X  No      

Does this item include the use of federal funds? Yes       No  X

Reporting Category  N/A

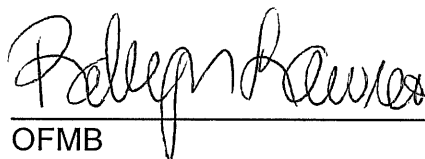
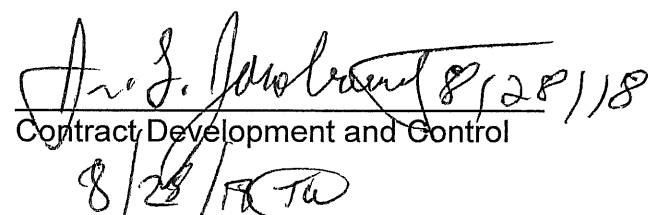
**B. Recommended Sources of Funds/Summary of Fiscal Impact:**

One (1) time expenditure from user fees, connection fees and balance brought forward.

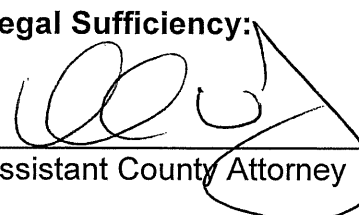
**C. Department Fiscal Review:** \_\_\_\_\_ 

**III. REVIEW COMMENTS**

**A. OFMB Fiscal and/or Contract Development and Control Comments:**

 OFMB 8/24/18 8/23/18	 Contract Development and Control 8/28/18 TW
---	---

**B. Legal Sufficiency:**

  
 Assistant County Attorney  
 8/30/18

**C. Other Department Review:**

\_\_\_\_\_  
 Department Director

This summary is not to be used as a basis for payment.