

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: May 7, 2019 Consent [X] Regular []
Public Hearing []

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Work Authorization (WA) No. 1 for the Water Treatment Plant No. 11 (WTP 11) Chemical Improvements Design-Build (Project) with Globaltech, Inc., in the amount of \$1,951,520.40.

Summary: On January 15, 2019, the Board of County Commissioners (BCC) approved the Water Utilities Department (WUD) Contract for Optimization and Improvements Design-Build with Globaltech, Inc. (R2019-0099) (Contract). WTP 11 provides potable water for the Glades cities of Belle Glade, Pahokee and South Bay. WA No. 1 provides for chemical improvements for both the raw water pretreatment and membrane permeate post treatment to reduce turbidity in the finished water. This Contract was procured under the requirements of the 2002 Small Business Enterprise (SBE) Ordinance prior to the adoption of the amended Equal Business Opportunity Ordinance on October 16, 2018. The SBE participation goal established under the 2002 Ordinance was 15% overall participation. The Contract provides for 58% SBE participation which includes 12% M/WBE participation, 10% M/WBE (H), 1% MBE (B) and 1% MBE (O). WA No. 1 includes 99.81% SBE, 5.608% MBE (H), 0.602% MBE (B) and 4.123% MBE (O) participation. Globaltech, Inc., is a local company and was a Certified SBE Company on the date of the Selection Committee. Globaltech, Inc., is headquartered in Boca Raton and maintains an office in the Glades. The Project is included in WUD's FY19 budget. (WUD Project No. 19-017) District 6 (MJ)

Background and Justification: The WTP 11 chemical improvements are necessary to reduce the finished water turbidity caused by increasing levels of hydrogen sulfide in the Floridan raw water. The existing sulfuric acid pumps for the raw water pretreatment will have safety upgrades. Pretreatment acid dosage will be reduced to allow more hydrogen sulfide to be removed in the membrane treatment process. Reducing the raw water pretreatment acid requires an acid feed system to be constructed for the membrane post treatment to provide proper degasification of the hydrogen sulfide and is included in WA No. 1. The membrane post treatment acid will provide options for both sulfuric acid and carbon dioxide solution. The innovative use of carbon dioxide solution is a process safety improvement which will be pilot tested in WA No. 1. The packing in the degasification towers will be replaced to optimize hydrogen sulfide removal to further lower turbidity.

Attachments:

1. Four (4) Originals of WA No. 1
2. Location Map
3. Certificate of Liability Insurance

Recommended By: Jim Stiles 4-17-19
Department Director Date

Approved By: Carol Johnson 4/29/19
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2019	2020	2021	2022	2023
Capital Expenditures	<u>\$1,951,521</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>
NET FISCAL IMPACT	<u>\$1,951,521</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Budget Account No.:	Fund <u>4011</u>	Dept <u>721</u>	Unit <u>W026</u>	Object <u>6541</u>	

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:

 4/22/19
 OFMB

 4/26/19
 Contract Development and Control

B. Legal Sufficiency:

 4/29/19
 Assistant County Attorney

C. Other Department Review:

Department Director

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