



Agenda Report

2725 Judge Fran Jamieson
Way
Viera, FL 32940

Consent

F.4.

4/22/2025

Subject:

Single Source Request with WesTech Engineering, LLC for Mims Water Treatment Plant Clarifier Improvements (\$1.3M) (District 1).

Fiscal Impact:

Cost of the clarifier equipment is \$1,316,000.

Dept/Office:

Utility Services Department

Requested Action:

It is requested that the Board approve the Single Source Request for this Department to purchase the specified clarifier equipment from WesTech Engineering, LLC.

It is also requested that the Board authorize the County Manager to: execute the Single Source Justification and Approval Form, approve any required budget change request (BCR), amend the five-year Capital Improvements Plan (CIP) as it relates to this project, and any reimbursement requests, amendments, or other administrative actions to initiate the single source purchase.

Summary Explanation and Background:

Brevard County Utility Services Department (BCUSD) owns and operates the Mims Water Treatment Plant (WTP) serving customers in the Mims Service Area. The Mims WTP has two treatment trains consisting of two separate clarifier and filter units running parallel to produce potable water for BCUSD customers. BCUSD identified the need to restore the WTP capacity by rehabilitating the solids contact clarifiers and contracted an engineering consultant, Black & Veatch, to assess the condition of the clarifiers and identify the improvements needed to restore the WTP capacity.

BCUSD's consultant evaluated the rehabilitation of the existing solids contact clarifiers and determined that the clarifier structures are still in useful condition. However, the internal mechanical equipment has reached the end of its useful life and must be replaced.

The justification for our request to single source WesTech Engineering, LLC for the Mims WTP clarifier equipment is as follows:

- The existing clarifiers and associated equipment were originally manufactured by WesTech. Utilizing WesTech for the equipment replacement will upgrade the existing clarifiers to modernized technology.
- Mims WTP operations staff are familiar with WesTech's clarifier equipment operations and maintenance, which minimizes the transition to new protocols and maintenance with the upgraded equipment.

- Since the existing clarifier structures were manufactured by WesTech, utilizing their clarifier equipment minimizes structural modifications during installation.

To minimize the duration time for the WTP improvements, BCUSD is pursuing a single source pre-purchase of the clarifier equipment which is estimated to have a 26-week lead time for production and delivery.

This Single Source was advertised by the Purchasing Services, with no objection from any other vendor.

Attachment 1 - WesTech Proposal

Attachment 2 - Black & Veatch Recommendation Letter

Attachment 3 - Capital Improvement Plan FY 24/25 - Mims: Clarifier Replacement

Clerk to the Board Instructions:

E-mail the Clerk memo to karina.perez@brevardfl.gov and mail the original to the Utility Services Department.



Kimberly Powell, Clerk to the Board, 400 South Street • P.O. Box 999, Titusville, Florida 32781-0999

Telephone: (321) 637-2001
Fax: (321) 264-6972
Kimberly.Powell@brevardclerk.us

April 23, 2025

MEMORANDUM

TO: Edward Fontanin, Utility Services Director

RE: Item F.4., Single Source Request with WesTech Engineering, LLC for Mims Water Treatment Plant Clarifier Improvements (\$1.3M)

The Board of County Commissioners, in regular session on April 22, 2025, approved the Single Source Request for the Utility Services department to purchase the Mims Water Treatment Plant clarifier equipment from WesTech Engineering, LLC; authorized the County Manager to execute the Single Source Justification and Approval Form; and approved any required Budget Change Request (BCR), amending the five-year Capital Improvements Plan (CIP) as related to this project, and any reimbursement requests, amendments, or other administrative actions to initiate the single source purchase.

Your continued cooperation is always appreciated.

Sincerely,

BOARD OF COUNTY COMMISSIONERS
RACHEL M. SADOFF, CLERK

A handwritten signature in cursive script, reading "Kimberly Powell", is written over the typed name.

Kimberly Powell, Clerk to the Board

/ds

cc: County Manager
Finance
Budget



Commercial Proposal

Proposal Name: Mims WTP
 Proposal Number: 2330365
 Tuesday, March 25, 2025

1. Bidder's Contact Information

Company Name WesTech Engineering, LLC
 Primary Contact Name Mitchell Matthews
 Phone (801) 265-1000
 Email mmatthews@westechwater.com
 Address: Number/Street 3665 S West Temple
 Address: City, State, Zip Salt Lake City, UT 84115

2. Budget Pricing Currency: USD

Scope of Supply

A	Solids CONTACT CLARIFIER™ Replacement Parts Supply, Model SCS71	\$1,316,000.00
	Taxes (sales, use, VAT, IVA, IGV, duties, import fees, etc.)	Not Included

Prices are valid for a period not to exceed 30 days from date of proposal.

Additional Field Service

Daily Rate (Applicable Only to Field Service Not Included in Scope)	\$1,350
---	---------

Pricing does not include field service unless noted in scope of supply but is available at the daily rate plus expenses. The greater of a two week notice or visa procurement time is required prior to departure date. Our field service policy is subject to change and can be provided upon request.

3. Payment Terms

Purchase Order Acceptance and Contract Execution	10%
Submittals Provided by WesTech	15%
Release for Fabrication	35%
Notification of Ready to Ship	40%

All payments are net 30 days. Partial shipments are allowed. An approved Letter of Credit is required if Incoterms CIF, CFR, DAP, CIP, or CPT are applicable. Payment is required in full for all other Incoterms prior to international shipment. Other terms per WesTech proforma invoice. Please note that the advising bank must be named as: Wells Fargo Bank, International Department, 9000 Flair Drive, 3rd Floor, El Monte, California 91731, USA.

4. Schedule

Submittals, after Purchase Order Acceptance and Contract Execution	10 weeks
Ready to Ship, after Receipt of Final Submittal Approval	26 weeks
Ready to Ship, after First Unit	12 weeks

Estimated Weeks 48 weeks*

*Customer submittal approval is typically required to proceed with equipment fabrication and is not accounted for in the schedule above. Project schedule will be extended to account for time associated with receipt of customer submittal approval. Due to supply chain disruptions and volatility, delivery schedule is a best estimate only and may be improved or hampered based on date of contract execution, scope selection, and materials availability.

5. Freight

Domestic	FOB Shipping Point - Full Freight Allowed to Jobsite (FSP-FFA)	
From	Final Destination	Number of Trucks / Containers
WesTech Shops	Mims, Florida	Approximately 6



March 25, 2025

Brevard County Utility Services Department
2725 Judge Fran Jamieson Way, A-213
Viera, FL 32940-6602

Attention: Edward Fontanin, PE
Director, Brevard County Utility Services

Subject: Mims Potable Water Service Area
Recommendation for Single-source Modular Filter Procurement

The Brevard County Utility Services Department owns and operates the potable water system serving the utility's customers in the City of Mims Service Area. The Mims potable water supply system consists of source water supply wells, a treatment plant, and a distribution piping network serving an estimated population of 9,200. Utility Services Department (USD) leadership has identified the Mims Service Area as a system in need of significant improvement, with respect to both the existing conditions, as well as to position the system for anticipated, significant growth over the coming years.

Black & Veatch has been providing consulting engineering services for projects to improve the existing Mims Water Treatment Plant (WTP) for over two years, and was selected as the consulting team for planning and implementation of expansion of the Mims water system to meet current demands and future growth.

Critical infrastructure elements within the WTP that will require improvements to ensure the facility continues to produce finished water include the plant's two softener-clarifiers. While the structure of the clarifiers remains sound, the mechanical equipment within the structures is beyond its useful life (nearing 30 years in age since installation) and is nearing the point of failure. As part of the current services to Brevard County at the Mims WTP, Black & Veatch has initiated the design of clarifier improvements, including complete replacement of the mechanical equipment in question.

In this regard, Black & Veatch researched multiple providers of softener-clarifier equipment, and identified one particular vendor (WesTech) as the recommended approach for rehabilitation of the existing units at the Mims WTP. While a number of clarifier equipment vendors exist, this particular vendor appears to be unique in that WesTech is the provider of the current clarifier equipment at the Mims WTP, and would thus be replacing their existing systems with more modern technology. As such, Brevard County would benefit from WesTech's unique knowledge of the existing structures, and their overall proven delivery of systems to several County water and wastewater facilities. Such an approach would also minimize structural changes necessary to accommodate the new equipment. Furthermore, the Mims WTP staff are familiar with WesTech's equipment operations, which would thus eliminate the need to transition to new protocols and equipment maintenance procedures.

Of particular interest in the analysis was the significantly reduced time it would take to complete clarifier improvements (and return the Mims WTP to full treatment capacity) if an owner direct furnish approach was implemented ahead of contractor selection. The shorter schedule is important considering the Mims WTP is being relied upon to deliver water to a growing service area, with demands expected to increase significantly, even within the next few years. Selection of WesTech for this owner direct furnish approach reduces risks associated with equipment ordering by relying on the vendor with a unique level of knowledge of the existing system conditions.

Based on the need for a compressed schedule to restore treatment capacity, and the unique position in the industry currently held by WesTech, Black & Veatch recommends the purchase and installation of a WesTech equipment package for clarifier rehabilitation at the Mims WTP. Furthermore, to allow for the shortest possible schedule of implementation, it is further recommended that Brevard County pursue a single-source procurement of the equipment as quickly as possible, to facilitate initiation of fabrication for this long-lead time delivery (22-24 weeks).

If you have any other questions or concerns, please feel free to contact me at (407) 419-8005.

Very truly yours,

BLACK & VEATCH

A handwritten signature in blue ink, appearing to read "James R. Murin, Jr.", with a stylized, cursive script.

James R. Murin, Jr., P.E.
Project Manager

Utility Services Department

Utility Services Department

Program Name: COUNTY WATER AND WASTEWATER
Project Name: Mims: Clarifier Replacement
Project Total: \$4,296,426
Project Timeline: October 1, 2022 through September 30, 2027
Funded Program: 6540118
District(s): 1

Project Description, Milestones and Service Impact

Major upgrade that will increase performance/efficiencies of asset 640041 at the Mims Water treatment plant. The clarifier treatment unit was built in the early 1960's and has exceeded its useful life. New turbine, rakes, stilling well and any additional steel components inside the concrete tank will have to be replaced.

Revenue or Expense Category	All Prior Fiscal Years	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027	Fiscal Year 2028	Fiscal Year 2029 & Future	Total Revenue
Charges For Services Revenue	\$ 202,739	\$ 5,000	\$ 105,000	\$ 3,983,687	\$ -	\$ -	\$ -	\$ 4,296,426
Other Finance Sources Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Transfers Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unfunded	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ 202,739	\$ 5,000	\$ 105,000	\$ 3,983,687	\$ -	\$ -	\$ -	\$ 4,296,426
Land Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design Expense	\$ 54,239	\$ 45,621	\$ 212,879	\$ 153,219	\$ -	\$ -	\$ -	\$ 465,958
Construction Expense	\$ -	\$ -	\$ -	\$ 3,830,468	\$ -	\$ -	\$ -	\$ 3,830,468
Other Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ 54,239	\$ 45,621	\$ 212,879	\$ 3,983,687	\$ -	\$ -	\$ -	\$ 4,296,426