PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date:	**December 2, 2025**	**Consent [X]** **Public Hearing [ ]**	**Regular [ ]**
Department:	**Water Utilities Department**		

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: (A) Work Order (WO) No. 11 to the Contract for Engineering and Construction Services for Optimization and Improvements Design-Build (Contract) with Globaltech, Inc., (Globaltech) for the Water Treatment Plant (WTP) 11 Membrane Train Improvements (Project) for a Guaranteed Maximum Price in the amount of $8,237,323; and **B)** a Budget Transfer in the amount of $8,237,323 in the Water Utilities Department's Capital Improvement Fund to establish budget for the Project.

Summary: On January 24, 2023, the Board of County Commissioners (BCC) approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2023-0086) with Globaltech, which had a start date of December 20, 2022. WO No. 11 includes modifications to the existing four (4) Low-Pressure Reverse osmosis (LPRO) membrane trains to provide treatment for 12,000 Milligrams per liter (mg/L) Total Dissolved Solids (TDS) feedwater and produce 2 Million Gallons per Day (MGD) permeate water. The work includes installing four (4) new membrane feed pumps, four (4) new interstage booster pumps with Variable Frequency Drives (VFDs) and replacing the existing turbo-style Energy Recovery Devices (ERDs) with Pressure Exchanger (PX) units. The existing pressure vessels and membrane elements will remain in place. To accommodate the new PX units, the sample panels will be relocated to the south wall of each train.

This Contract was presented to the Goal Setting Committee (Committee) on October 6, 2021, and the Committee established an Affirmative Procurement Initiative (API) of a mandatory 20% Small Business Enterprise (SBE) subcontracting goal. Globaltech committed to 24% SBE participation. The proposed SBE participation for this WO No. 11 is 3.68%. To date, the overall participation achieved on this Contract is 14.44%. Globaltech is a Palm Beach County based company. The Project is included in the PBCWUD FY 2025 budget. (PBCWUD Project No. 25-035) District 6 (MWJ)

Background and Justification: WTP 11 is the sole source of drinking water for the western communities consisting of the Cities of Belle Glade, Pahokee and South Bay. Therefore, it is critical that WTP 11 has reliable and effective treatment to provide drinking water. To provide treatment and sufficient water quantity and quality, due to the increasing TDS concentration levels, new membrane feed pumps, interstage booster bumps, and replacement of the ERDs with PX units are required.

Attachments:

1. Two (2) Originals of Work Order No. 11
2. Location Map
3. EBIX Compliance Summary Report
4. Budget Transfer

Recommended By: Ali Bayat — **Department Director** — 11/4/25 — **Date**

Approved By: — **Chief Deputy County Administrator** — 11/18/25 — **Date**

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2026	2027	2028	2029	2030
Capital Expenditures	$8,237,323	0	0	0	0
Operating Costs	0	0	0	0	0
External Revenues	0	0	0	0	0
Program Income (County)	0	0	0	0	0
In-Kind Match County	0	0	0	0	0
NET FISCAL IMPACT	$8,237,323	0	0	0	0
# ADDITIONAL FTE POSITIONS (Cumulative)	0	0	0	0	0

Budget Account No.: **Fund** 4011 **Dept** 721 **Unit** W026 **Object** 6541

Is Item Included in Current Budget? Yes ____ No X

Is this item using Federal Funds? Yes ____ No X

Is this item using State 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. A $8,237,323 Budget Transfer in the Water Utilities Department's Capital Improvement Fund to establish budget for the Project.

C. Department Fiscal Review: Joanne Foreman

III. REVIEW COMMENTS

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

11/6/2025
OFMB
OA 11/5
ESW 11-6-25

11/12/25
Contract Development and Control
26 11.12.25
11-12-25

B. Legal Sufficiency:

11/13/25
Assistant County Attorney

C. Other Department Review:

Department Director

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

WORK ORDER NO. 11
Palm Beach County Water Utilities Department
Optimization and Improvements Design-Build
Resolution No. R2023-0086 Contract Dated December 20, 2022

Project Title: Water Treatment Plant 11 Membrane Train Improvements - Phase II

PBCWUD Project No.: 25-035

Design-Build Entity: Globaltech, Inc.

Address: 901 Yamato Rd. Ste. 220, Boca Raton, Florida 33431

Budget Line Item No.: 4011 - 721 – W026 – 6541

District: 6

This Work Order provides: Design and construction services for Palm Beach County Water Treatment Plant (WTP) 11, including modifications to the existing four (4) Low-Pressure Reverse Osmosis (LPRO) membrane trains to provide treatment for 12,000 Milligrams per liter (mg/L) Total Dissolved Solids (TDS) feedwater and produce 2.0 Million Gallons per Day (MGD) permeate water. The work includes installing four new membrane feed pumps, four (4) new interstage booster pumps with Variable Frequency Drives (VFDs), and replacing the existing turbo-style energy recovery devices (ERDs) with Pressure Exchanger (PX) units. The existing pressure vessels and membrane elements will remain in place. To accommodate the new PX units, the sample panels will be relocated to the south wall of each train.

See **ATTACHMENT A** for a detailed scope of services.

The Contract provides for 24% SBE participation. This Work Order includes 3.68% overall SBE participation. The cumulative SBE participation, including this Work Order, is 14.44%.

1. Services completed by the Design-Build Entity to date:

   See **ATTACHMENT B**.

2. Design-Build Entity shall begin work within ten (10) calendar days from the issuance of Notice to Proceed (NTP). Execution of the Project will be accomplished as follows from the issuance of the NTP:

   Substantial Completion 640 Calendar Days
   Final Construction Completion 700 Calendar Days

   Liquidated damages will apply as follows:

   $1,000.00 per day past substantial completion date.
   $500.00 per day past final completion date.

3. The Guaranteed Maximum Price compensation to be paid to the Design-Build Entity for providing the requested services in accordance with the Contract Bid Prices is $8,237,323.00.
4. This Work Order does not amend, change, or modify the Contract, which remains in full force and effect.
5. All attachments to this Work Order are incorporated herein and made a part of this Work Order.
6. The Contract and this Work Order is subject to the County Emergency Ordinance 2025-014, approved by the Board of County Commissioners on June 3, 2025.

WORK ORDER NO. 11
Palm Beach County Water Utilities Department
Optimization and Improvements Design-Build
Resolution No. R2023-0086 Contract Dated December 20, 2022

Project Title: Water Treatment Plant 11 Membrane Train Improvements – Phase II

PBCWUD Project No.: 25-035

IN WITNESS WHEREOF, this Work Order is accepted, subject to the terms, conditions, and obligations of the aforementioned Contract.

PALM BEACH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

Michael A. Caruso, Clerk of the Circuit Court & Comptroller, Palm Beach County

ATTEST:

Signed:_____

Typed Name: _____
Deputy Clerk

Palm Beach County,
Board of County Commissioners

Signed:_____
Sara Baxter, Mayor

_____
(Date)

Approved as to Form and Legal Sufficiency

Signed: _____

Typed Name: Michael W. Jones
County Attorney

Globaltech, Inc.
(Design-Build Entity)

Bruce Rahmani, PE
(Print Name)

_____
(Signature)

Vice President of Construction
(Title)

10/312025
(Date)

STATE OF FLORIDA
COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization on this 31st day of October 2025 by Bruce Rahmani, who is ☒ personally known to me or ☐ has produced _____ as identification.

_____
(Signature of Notary Public - State of Florida)

Notary Public State of Florida
Rachael Cloyd
My Commission HH 686635
Expires 6/11/2029

_____
(Print, Type, or Stamp Commissioned Name of Notary Public)

LIST OF ATTACHMENTS

ATTACHMENT A	Scope of Work
ATTACHMENT B	Summary and Status of Work Orders
ATTACHMENT C	Public Construction Bond
ATTACHMENT D	Form of Guarantee
ATTACHMENT E	Work Order Schedule of Bid Items
ATTACHMENT F	OEBO Schedules 1 and 2
ATTACHMENT G	Summary of SBE Business Tracking
ATTACHMENT H	Location Map
ATTACHMENT I	Design-Build Criteria
ATTACHMENT J	Supporting Document

ATTACHMENT A

SCOPE OF WORK

PBCWUD PROJECT NO.: 25-035

PROJECT TITLE: Water Treatment Plant 11 Membrane Train Improvements - Phase II

Globaltech, Inc., DESIGN-BUILD ENTITY/DBE shall perform the Scope of Services as described in the Design-Criteria Report and as further described herein:

Administrative and Engineering Services

1. Meet with the Palm Beach County Water Utilities Department (PBCWUD) to review the project scope and schedule. Conduct a site visit to inspect the work items listed below and develop the design accordingly.
2. Develop subcontracts with structural and electrical engineers, as well as other required entities.
3. Develop a preliminary site plan layout and equipment layout(s).
4. Prepare a Preliminary Design Technical Memorandum (TM). The TM shall provide a brief description of the equipment, including its design parameters and layout(s). Examples of equipment cut sheets for major equipment shall be provided in the TM. A preliminary site plan and equipment layout(s) will be provided. Five (5) copies of the TM, including a Portable Document Format (PDF) version, shall be submitted.
5. Prepare and submit design deliverables at 60%, 90%, and 100% completion. Half-size drawings and PDF files are to be submitted for the PBCWUD's review.
6. Prepare and submit documents to the Florida Department of Health (FDOH) for permitting purposes. PBCWUD will pay for permit fees.
7. Updated documentation will be submitted for approval if the existing disinfection strategy no longer meets regulatory requirements.
8. Prepare a detailed construction schedule.
9. Prepare submittals (or confirmation of compliance with PBCWUD design standards), administer, and track the submittal process.
10. Prepare the equipment data sheet and asset collection form.
11. Conduct the Engineer's site visits during construction to confirm that the work is being performed in conformance with the Design Drawings and Specifications.
12. Prepare Record Drawings and Operation & Maintenance (O&M) Manuals.
13. Obtain the permit for the Palm Beach County WTP 11 Membrane Train Improvement from the FDOH.

Construction Services

1. Establish staging areas with WTP 11 staff at the site and mobilize to the site.
2. Procure equipment and construct facilities for the construction tasks listed below. Equipment procurement shall begin with the approval of Preliminary Design TM.
3. Improvements will be based on the approved TM and are expected to be listed in the Scope of Services paragraphs in this Work Order.
4. Obtain a construction permit from the Palm Beach County Planning, Zoning, and Building Department (PBCPZB).
5. Restore the site to its existing conditions.

Construction Tasks

A. Low-Pressure Reverse Osmosis (LPRO) Skid

1. The modified LPRO system shall meet the following performance criteria:
    a. Normal Operation: The system shall be capable of producing a permeate flow rate of 2.5 MGD at a permeate recovery rate of 80% while treating feedwater with a TDS concentration of up to 7,500 milligrams per liter (mg/L).
    b. High TDS Operation: The system shall also be capable of producing 2.0 MGD at a 75% recovery rate when treating feedwater with a TDS of up to 12,000 mg/L.
2. The pressure vessels (PV) of the LPRO skid and membrane elements shall remain unchanged.
3. Only one (1) of four (4) trains will be offline to be modified at one time. Modification to each train shall consist of the following:
    a. Modify the piping on the suction side of the new pump to accommodate the PX unit layout and provide new piping from the PX unit to the feed line.
    b. Replace all 10-inch and 8-inch schedule 10S Stainless Steel (SST) pipe in the First Stage Feed Line with new SST schedule 40 pipe to handle a maximum pressure rating of 600 Pounds per Square Inch (PSI).
    c. The feed line fittings, such as tees, reducers, elbows, and caps, need to be replaced.
    d. Replace First Stage Differential Pressure Indicator and pressure gauges.
    e. Replace the existing roll grooved Victaulic Coupling on the feed line.
    f. Replace the 8-inch SST Cleaning in Place (CIP) pipe located between the existing Victaulic coupling and butterfly valve of the first stage feed line.
    g. Replace all 6-inch 10S SST pipe in the second stage feed line with the schedule 40 pipe to withstand a maximum pressure rating of 600 PSI. Provide the piping to the interstage booster pump.
    h. The fittings on the interstage line, such as tees, elbows, reducers, and caps, need to be replaced.
    i. Remove and dispose of the turbine-style ERD on the concentrate line and provide new SST schedule 40 piping for the concentrate line to accommodate the new layout and the PX energy recovery device.
4. The existing four (4) membrane trains shall be modified to be rated for a maximum operating pressure of 600 PSI.
5. Furnish and install four (4) dedicated LPRO feedwater pumps designed for a flow rate of 1,400 Gallons Per Minute (GPM) at a Total Dynamic Head (TDH) of 1,100-feet. The pump will be supplied with a 500-horsepower motor. It will operate using an owner-furnished and installed Variable Frequency Drive (VFD), which has already been installed to maintain production under varying feedwater quality and fouling conditions.
6. Each LPRO train shall include three (3) Energy Recovery Devices (ERDs) for pressure management using two PX-Q260 Energy Recovery Devices (PX) and an interstage booster pump capable of handling a feed flow of 790 GPM, with the capacity to increase pressure from 470 PSI to 550 PSI between stages. These components shall be integrated into the system design and coordinated to ensure seamless operation, in accordance with the membrane projection provided in the specification.
7. All sensors and sample points currently installed on the pipes to be replaced shall be reinstalled on the new piping.
8. All piping shall be constructed of 316 SST. All piping must be clearly labeled.
9. Unless stated otherwise, all above-grade pipe and valves shall be 316 SST. SST butterfly valves shall be lug-style. Flanges will be provided at all valves and pump connections.
10. All valves and flanges shall be rated for 300 pounds (300 lb.) class.
11. All equipment and pipe support anchors shall be 316 SST.
12. The modification shall not affect the capability of collecting the following data and recording it hourly on the Human-Machine Interface (HMI) computer during the performance testing period. All recorded data shall be available for trend analysis:
    a. Feedwater pressure
    b. Feed flow control valve position
    c. First stage concentrate pressure

d. Second stage feed pressure
e. Concentrate valve position
f. Total permeate flow
g. First stage permeate flow
h. Second stage permeate flow (can be calculated)
i. Concentrate pressure
j. Concentrate flow (can be calculated)
k. First stage permeate pressure
l. Second stage permeate pressure
m. Permeate conductivity
n. Concentrate conductivity

13. The sample panel for each train shall be relocated to the south wall of the membrane building to allow space for the PX unit piping and interstage booster pump. Panels should not be placed in front of the train, as clearance must be maintained for future membrane loading and unloading. New tubing should be provided as needed to accommodate the relocated panels.

B. Electrical and Instrumentation and Control (I&C)

Electrical Work for New Membrane Feed Pumps & Feeder Breakers (Four (4) Pumps)

1. Reuse existing 800-amp feeder breakers within the existing switchboard lineup.
2. Furnish and install new wiring in existing conduits to connect the new switchboard breakers to the VFDs.
3. Provide wiring from the VFDs to the new membrane feed pumps. Existing conduits shall be reused for each pump location.
4. Furnish and install conduit and wiring for associated instruments at each new pump (e.g., pressure transmitters and related devices).
5. Perform pump motor terminations.
6. Install conduit supports as required throughout the new installation.
7. Electrically disconnect the instrumentation on the piping that needs to be replaced and then reconnect it. Ensure that the data is correctly transferred to both Supervisory Control and Data Acquisition (SCADA) and the local transmitters.
8. Provide programming and SCADA modifications as required to integrate the new equipment into the facility's control system.
9. Support startup activities and testing to ensure proper integration and operation of the new membrane feed pumps.

Booster Pump Electrical Scope (Four (4) Pumps)

1. Provide and install a new feeder bucket within the existing switchboard (SWBD-1 and SWBD-2) to serve each booster pump.
2. Furnish and install new Eaton 75 horsepower (HP) VFDs for each booster pump.
3. Furnish and install conduit and wiring from the Motor Control Center (MCC) to the VFDs and from the VFDs to the booster pump locations.
4. Furnish and install one (1) new Remote Input/Output (RIO) dedicated to the new interstage booster pumps. Mount and ground according to PBCWUD standards and interconnect all signals back to the existing Main Control Panel (RIO-1). Label and function-test each field termination.
5. Provide conduit and wiring to support new booster pump control circuits.
6. Install conduit supports wherever required for proper routing and structural integrity.
7. Complete motor terminations for all booster pump connections.

Assumptions:

- The post-treatment capacity analysis, including the potential expansion of the degasifiers and scrubbers to accommodate the expansion, is outside the scope of this project.
- The raw water supply, including the potential need for new wells to meet future capacity, is outside the scope of this project.
- This project will not increase the permitted or design capacity of the water treatment plant.
- The evaluation, assessment, or redesign of the Heating, Ventilation, and Air Conditioning (HVAC) system inside the membrane building is specifically excluded from this project scope.
- The PBCWUD will provide adequate outage windows for breaker installations, MCC tie-ins, and other shutdown-related activities.
- All work will be performed in compliance with applicable codes and standards (National Electric Code (NEC), National Fire Protection Association (NFPA), Institute of Electrical and Electronics Engineers (IEEE), and facility safety protocols.
- SCADA modifications are limited to programming and integration of new devices.
- Existing raceways, supports, and penetrations will be reused where feasible.
- Construction cannot start until Train 5 is completed.

Allowance:

- 1200A Breaker Buckets $620,000.00. Allowance for vendor price estimating will take 4-6 weeks, not within the timeframe of the PBCWUD's request for proposal.
- Antenna Tower $600,000.00. Allowance due to a scope addition; the vendor will take 4-6 weeks to provide an estimate. Not in the timeframe of the PBCWUD's request for proposal.

Permits and Fees:

DBE shall obtain all necessary permits required to complete the work under this Work Order, as well as fulfill all inspections and requirements essential to close out the completed permits. PBCWUD shall pay all permit fees. The DBE shall be responsible for all business tax fees for work within Palm Beach County or Municipalities. DBE shall notify PBCWUD of the permit fees and allow PBCWUD for three (3) weeks to verify the permit fee(s) issued by PBCWUD to the authority having jurisdiction.

Engineering Deliverables:

Preliminary Design Review (PDR) plans	90 calendar days	3 copies
60% plans and response to PDR review comments	180 calendar days	3 copies
90% plans and response to 60% review comments	210 calendar days	3 copies
100% plans and response to 90% review comments	260 calendar days	3 copies
Building Permit submittal	210 calendar days	
Department of Health (FDOH) Permit Submittal	210 calendar days	
Equipment Data Sheet Asset Collection Form	640 calendar days	
Record drawings	700 calendar days	

Programmable Logic Controller (PLC) program electronic files N/A calendar days (applicable __yes, X no)

REVISED 08-25-25

ATTACHMENT B

SUMMARY AND STATUS OF WORK ORDERS

Work Order No.	PBCWUD Project No.	Title	Status	Project Total Amount	SBE Total Amount	SBE Participation %	Approved By	Approved Date
1	23-017	Water Treatment Plant No. 3 Raw 42" Water Line Replacement	CLOSED	$4,050,826.00	$383,449.94	9.46%	BCC	2/7/23
1.1	23-017	Water Treatment Plant No. 3 Raw 42" Water Line Replacement	CLOSED	$0.00	$0.00	0.00%	DIR	3/12/24
2	23-034	Well Electrical Improvements	APPROVED	$1,363,398.57	$893,160.68	65.50%	BCC	12/19/23
2.1	23-034	Well Electrical Improvements	PENDING	$21,657.30	$1,550.00	7.15%	DIR	Pending
3	22-010	East Central Regional Water Reclamation Facility Reclaimed Water Facility Improvements – Phase 3	APPROVED	$4,441,139.00	$547,494.48	12.32%	BCC	3/12/24
4	24-005	Water Treatment Plant No. 3 Acid Line Replacement	APPROVED	$2,049,098.06	$142,751.16	6.96%	BCC	2/6/24
4.1	24-005	Water Treatment Plant No. 3 Acid Line Replacement	APPROVED	$0.00	$0.00	0.00%	DIR	4/8/25
5	24-001	Water Treatment Plant No. 8 Water Quality Improvements	CANCELLED	$0.00	$0.00	0.00%	BCC	Cancelled
6	25-014	Critical Facilities Safety Improvements	APPROVED	$4,853,033.00	$1,117,497.44	23.02%	BCC	4/1/25
7	25-018	Water Treatment Plant No. 3 Membrane Expansion	PENDING	$5,128,287.00	$37,042.93	0.72%	BCC	Pending
8	24-033	Water Treatment Plant No. 2 Expansion	PENDING	$398,816.00	$0.00	0.00%	BCC	Pending
9	25-035	Water Treatment Plant No. 11 Membrane Train Improvements	APPROVED	$8,502,916.00	$1,432,544.98	16.84%	BCC	9/16/25
10	25-026	Water Treatment Plant No. 9 Membrane Expansion	PENDING	$7,498,562.00	$217,351.16	2.89%	BCC	Pending
11	25-035	Water Treatment Plant No. 11 Membrane Train Improvements – Phase II	PENDING	$8,237,323.00	$303.256.55	3.68%	BCC	Pending

REVISED 08-25-25

ACRISURE®

October 30, 2025

Palm Beach County
8100 Forst Hill Blvd.,
West Palm Beach, FL 33413

RE: Globaltech, Inc

Bond No. SU1212667
Project: PBCWUD 25-035 WO#11 - Water Treatment Plant 11 Membrane Train Improvements – Phase II

To Whom it May Concern:

Please allow this letter to serve as formal authorization for **Globaltech, Inc** and/or **Palm Beach County** to date the captioned bond and power of attorney to coincide with the Contract Date. Please note the bond date cannot be prior to the contract date.

Please provide the bond date and send back to our office via email as soon as possible:

Bond Date: _____

Thank you and should you have any questions or need any additional information, please feel free to contact our office anytime.

Sincerely,

Brett Rosenhaus
Attorney-in-Fact

ATTACHMENT C

PUBLIC CONSTRUCTION BOND – WORK ORDER NO. 11
OPTIMIZATION AND IMPROVEMENTS DESIGN-BUILD
RESOLUTION NO. R2023-0086 Contract Dated December 20, 2022

PROJECT TITLE: Water Treatment Plant 11 Membrane Train Improvements – Phase II

PBCWUD PROJECT NO.: 25-035

BOND NUMBER: SU1212667

WORK ORDER/BOND AMOUNT: $8,237,323.00

DESIGN-BUILD ENTITY'S NAME: Globaltech, Inc.

DESIGN-BUILD ENTITY'S ADDRESS: 901 Yamato Rd. Ste. 220
Boca Raton, FL 33431

DESIGN-BUILD ENTITY'S PHONE: 561-997-6433

SURETY COMPANY: Arch Insurance Company

SURETY'S ADDRESS: Harborside 3, 210 Hudson Street, Suite 300
Jersey City, NJ 07311

OWNER'S NAME: PALM BEACH COUNTY

OWNER'S ADDRESS: 8100 Forest Hill Boulevard
West Palm Beach, FL 33413

OWNER'S PHONE: (561) 493-6000

DESCRIPTION OF WORK: Design and construction services for Palm Beach County Water Treatment Plant (WTP) 11, including modifications to the existing four (4) Low-Pressure Reverse Osmosis (LPRO) membrane trains to provide treatment for 12,000 Milligrams per liter (mg/L) Total Dissolved Solids (TDS) feedwater and produce 2.0 Million Gallons per Day (MGD) permeate water.

PROJECT LOCATION: Water Treatment Plant No. 11 (WTP 11)

LEGAL DESCRIPTION: Water Treatment Plant No. 11 (WTP 11)

PUBLIC CONSTRUCTION BOND

This Bond is issued in favor of the County conditioned on the full and faithful performance of Work Order No. 11 to the Optimization and Improvements Design-Build Contract Resolution No. R2023-0086, dated December 20, 2022.

KNOW ALL MEN BY THESE PRESENTS: that Contractor and Surety, are held and firmly bound unto

Palm Beach County Board of County Commissioners
301 N. Olive Avenue
West Palm Beach, Florida 33401

as Obligee, herein called County, for the use and benefit of the claimant as herein below defined, in the amount of eight million two hundred thirty-seven thousand three hundred twenty-three dollars and zero cents, **$8,237,323.00**

for the payment whereof Principal and Surety bind themselves, their heirs, personal representatives, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS,

Principal has, by written agreement dated _____, 2025, entered into Work Order No. 11 to the Optimization and Improvements Design-Build Contract Resolution No. R2023-0086 with the County for:

Work Order Project Name: Water Treatment Plant 11 Membrane Train Improvements – Phase II
Work Order Project No.: PBCWUD 25-035
Project Description: Design and construction services for Palm Beach County Water Treatment Plant (WTP) 11, including modifications to the existing four (4) Low-Pressure Reverse Osmosis (LPRO) membrane trains to provide treatment for 12,000 Milligrams per liter (mg/L) Total Dissolved Solids (TDS) feedwater and produce 2.0 Million Gallons per Day (MGD) permeate water.
Project Location: Water Treatment Plant No. 11 (WTP 11)

in accordance with Design Criteria Drawings and Specifications prepared by

Name of Design Firm: Palm Beach County Water Utilities Department
Location of Firm: 8100 Forest Hill Blvd. West Palm Beach, FL 33413
Phone: 561-493-6000
Fax: 561-493-6008

which Work Order No. 11 to the Optimization and Improvements Design-Build Contract Resolution No. R2023-0086 is by reference made a part hereof in its entirety, and is hereinafter referred to as the Work Order.

1. THE CONDITION OF THIS BOND is that if Principal:

a. Performs the Work Order dated _____, 2025, between Principal and County for the construction of the above project, the Work Order being made a part of this bond by reference, at the times and in the manner prescribed in the Work Order; and

b. Promptly makes payments to all claimants, as defined in Section 255.05, Florida Statutes, supplying Principal with labor, materials, or supplies, used directly or indirectly by Principal in the prosecution of the work provided for in the Work Order; and

c. Pays County all losses, damages (including liquidated damages), expenses, costs, and attorneys' fees, including appellate proceedings, that County sustains because of a default by Principal under the Work Order; and

d. Performs the guarantee of all work and materials furnished under the Work Order for the time specified in the Work Order; then this bond is void; otherwise it remains in full force.

2. Any changes in or under the contract documents and compliance or noncompliance with any formalities connected with the Work Order or the changes does not affect Surety's obligation under this bond and Surety waives notice of such changes.

3. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of construction liens which may be filed of record against said improvement, whether or not claim for the amount of such lien be presented under and against the bond.

4. Principal and Surety expressly acknowledge that any and all provisions relating to consequential, delay and liquidated damages contained in the Work Order are expressly covered by and made a part of this Performance, Labor and Material Payment Bond. Principal and Surety acknowledge that any such provisions lie within their obligations and within the policy coverage's and limitations of this instrument.

5. Section 255.05, Florida Statutes, as amended, together with all notice and time provisions contained therein, is incorporated herein, by reference, in its entirety. Any action instituted by a claimant under this bond for payment must be in accordance with the notice and time limitation provisions in Section 255.05(2), Florida Statutes. This instrument regardless of its form, shall be construed and deemed a statutory bond issued in accordance with Section 255.05, Florida Statutes.

6. Any action brought under this instrument shall be brought in the state court of competent jurisdiction in Palm Beach County, Florida and not elsewhere.

K Clayd
Witness

Rachael Clayd
Print Name

Witness

Kailee Rosenhaus
Print name

Globaltech, Inc.
Principal (Seal)

B Rahmani
Bruce Rahmani, PE

Vice President of Construction
Title

Arch Insurance Company
Surety (Seal)

Brett Penn
Brett Rosenhaus

Attorney-in-Fact
Title

REVISED 08-25-25

ATTACHMENT D

FORM OF GUARANTEE

GUARANTEE FOR Globaltech, Inc. and Arch Insurance Company

We the undersigned hereby guarantee that the **Optimization and Improvements Design-Build, Resolution No. R2023-0086, Contract Dated December 20, 2022, PBCWUD Project No. 25-035, Work Order No. 11, Project Title: Water Treatment Plant 11 Membrane Train Improvements – Phase II,** Palm Beach County, Florida, which we have constructed and bonded, has been done in accordance with the plans and specifications; that the work constructed will fulfill the requirements of the guaranties included in the Contract Documents. We agree to repair or replace any or all of our work, together with any work of others which may be damaged in so doing, that may prove to be defective in the workmanship or materials within a period of one year from the date of Final Completion of all of the above named work by the County of Palm Beach, State of Florida, without any expense whatsoever to said County of Palm Beach, ordinary wear and tear and unusual abuse or neglect excepted by the County. The date of Final Completion shall be the date set forth on the fully executed and acknowledged Contractor's Certification of Final Completion form. When correction work is started, it shall be carried through to completion.

In the event of our failure to acknowledge notice, and commence corrections of defective work within five (5) calendar days after being notified in writing by the Board of County Commissioners, Palm Beach County, Florida, we, collectively or separately, do hereby authorize Palm Beach County to proceed to have said defects repaired and made good at our expense and we will honor and pay the costs and charges therefore upon demand.

County and (Design-Build Entity, engineer, architect as applicable) agree that the provisions of Florida Statute Chapter 558 shall not apply to Contract/Agreement.

SEAL AND NOTARIAL ACKNOWLEDGMENT OF SURETY

Globaltech, Inc.(Seal)
(Design-Build Entity)

By: _____ Bruce Rahmani, PE, VP of Construction
(Signature) (Print Name)

Arch Insurance Company(Seal)
(Surety)

By: _____ Brett Rosenhaus, Attorney-in-Fact
(Signature) (Print Name)

REVISED 08-25-25

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for Note, Loan, Letter of Credit, Currency Rate, Interest Rate or Residential Value Guarantees.

POWER OF ATTORNEY

Know All Persons By These Presents:
That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal administrative office in Jersey City, New Jersey (hereinafter referred to as the "Company") does hereby appoint:

Brett Rosenhaus of Delray Beach, FL, Charles D. Nielson, Charles J. Nielson, David R. Hoover and Jarrett Merlucci of Miami Lakes, FL (EACH) F. Danny Gann, Edward T. Ward and Audria R. Ward of Atlanta, GA (EACH), John R. Neu and Kevin Wojtowicz of St. Petersburg, FL (EACH) Laura D. Mosholder of Orlando, FL

its true and lawful Attorney(s)in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed: Any and all bonds, undertakings, recognizances and other surety obligations, in the penal sum not exceeding One Hundred Fifty Million Dollars ($150,000,000.00). This authority does not permit the same obligation to be split into two or more bonds In order to bring each such bond within the dollar limit of authority as set forth herein.

The execution of such bonds, undertakings, recognizances and other surety obligations in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal administrative office in Jersey City, New Jersey.

This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on August 31, 2022, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:
"**VOTED**, That the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them subject to the limitations set forth in their respective powers of attorney, to execute on behalf of the Company, and attach the seal of the Company thereto, bonds, undertakings, recognizances and other surety obligations obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on August 31, 2022:

VOTED, That the signature of the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on August 31, 2022, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company. **In Testimony Whereof**, the Company has caused this instrument to be signed and its corporate seal to be affixed by their authorized officers, this **15th day of July, 2025**.

Attested and Certified

Regan A. Shulman, Secretary

Arch Insurance Company — CORPORATE SEAL 1971 — Missouri

Arch Insurance Company

Stephen C. Ruschak, Executive Vice President

STATE OF PENNSYLVANIA SS
COUNTY OF PHILADELPHIA SS

I, **Michele Tripodi**, a Notary Public, do hereby certify that Regan A. Shulman and Stephen C. Ruschak personally known to me to be the same persons whose names are respectively as Secretary and Executive Vice President of the Arch Insurance Company, a Corporation organized and existing under the laws of the State of Missouri, subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that they being thereunto duly authorized signed, sealed with the corporate seal and delivered the said instrument as the free and voluntary act of said corporation and as their own free and voluntary acts for the uses and purposes therein set forth.

Commonwealth of Pennsylvania - Notary Seal
Michele Tripodi, Notary Public
Philadelphia County
My commission expires July 31, 2029
Commission number 1168622

Michele Tripodi, Notary Public
My commission expires 07/31/2029

CERTIFICATION

I, **Regan A. Shulman**, Secretary of the Arch Insurance Company, do hereby certify that the attached **Power of Attorney dated July 15, 2025** on behalf of the person(s) as listed above is a true and correct copy and that the same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said Stephen C. Ruschak, who executed the Power of Attorney as Executive Vice President, was on the date of execution of the attached Power of Attorney the duly elected Executive Vice President of the Arch Insurance Company.
IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the Arch Insurance Company on this ___**day of**_____, **20 25** .

Regan A. Shulman, Secretary

This Power of Attorney limits the acts of those named therein to the bonds and undertakings specifically named therein and they have no authority to bind the Company except in the manner and to the extent herein stated.

PLEASE SEND ALL CLAIM INQUIRIES RELATING TO THIS BOND TO THE FOLLOWING ADDRESS:
Arch Insurance Company Claims Department
Surety Claims
P.O. Box 542033
Omaha, NE 68154
suretyclaims@archinsurance.com

Arch Insurance Company — CORPORATE SEAL 1971 — Missouri

To verify the authenticity of this Power of Attorney, please contact Arch Insurance Company at SuretyAuthentic@archinsurance.com
Please refer to the above named Attorney-in-Fact and the details of the bond to which the power is attached.

ATTACHMENT E

WORK ORDER SCHEDULE OF BID ITEMS

REVISED 08-25-25

ATTACHMENT - E

Takeoff Summary - WTP 11 Membrane Train Improvements - Phase II				
Div.	**Description**	**Cost**	**Ovh/Profit**	**Ext Price**
1	General Requirements	$ 366,676.16	$ 232,342.24	$ 599,018.40
2	Sitework	$ 115,050.38	$ 51,513.72	$ 166,564.10
3	Concrete	$ 58,117.52	$ 24,017.22	$ 82,134.74
5	Metals	$ 67,834.10	$ 11,762.94	$ 79,597.04
9	Finishes	$ 20,049.16	$ 8,729.88	$ 28,779.04
11	Equipment	$ 2,257,760.06	$ 393,952.43	$ 2,651,712.49
17	I&C	$ 137,584.08	$ 37,645.16	$ 175,229.24
26	Electrical	$ 600,948.52	$ 165,704.64	$ 766,653.16
40	Process Interconnections	$ 1,167,130.84	$ 235,331.90	$ 1,402,462.74
41	Rental Equipment & Misc. Tools	$ 136,526.52	$ 22,086.92	$ 158,613.44
100	Engineering	$ 709,099.77	$ -	$ 709,099.77
101	Allowance	$ 1,220,000.00	$ -	$ 1,220,000.00
102	Bonds & Insurance	$ 171,703.34	$ 25,755.50	$ 197,458.84
	Total	**$ 7,028,480.45**	**$ 1,208,842.55**	**$ 8,237,323.00**

ATTACHMENT - E

Work Order Schedule of Bid Items

ENGINEERING SUMMARY (GLOBALTECH)

Task	Task Description	E6	E4	E1	Sr. I&C	Sr. CADD	Sr. Finance	Admin 3	Admin 2	Admin 1	Total Labor	*Sub-Consultant Services	Sub-Consultant
		$97.60	$65.78	$33.95	$59.41	$48.80	$65.78	$39.25	$29.71	$20.16			
1	**Project Development/Coordination**												
	Conceptual Design	4	32	42		16							
	Meet w/ staff to review Design Options		12	12									
	Preliminary Process Evaluation		32	32									
	Estimating		4	8					8	12			
	Project Management/Coordination	4	8	0			10	40	40	12			
	Pay Application Processing		4										
	Meet w/ staff to review project/collect info	2	4	4								$ 5,672.48	HEE
	Meet w/ staff to review project/collect info	2	4	4								$ 1,493.34	LYE
	Equipment Evaluation/Data Collection	4	24	24					8				
	Equipment Selection/Specifications		12	24									
	Preliminary Project Schedule		4										
	Subtotal Task 1	**16**	**140**	**150**	**0**	**16**	**10**	**40**	**56**	**24**	$ 21,019.50		
2	**Preliminary Design TM & Drawings**												
	Develop Preliminary Design TM	4	22	16				4	16	10			
	Preliminary Design Drawings	2	8	8		6							
	General/Site plan	2	8	8		12							
	Demolition Plan		8	8		12							
	Design Clarifications and Revisions	4	[illegible]	24	[illegible]	44							
	RIO I/O Module Configuration	4	8	30	40							$ 5,672.48	HEE
	SCADA Screen & Coordination	4	8	20	40								
	Update Panel Drawings	4	32		32	6						$ 11,057.82	HEE
	Loop Check and Arc Flash Labels		2									$ 4,465.32	HEE
	Start Up Skid 1	6	24	24	8							$ 4,465.32	HEE
	Start Up Skid 2		16	20	8							$ 4,465.32	HEE
	Start Up Skid 3		8	16	8							$ 4,465.32	HEE
	Start Up Skid 4		8	16	8								
	Project Closeout	4	32	24			40	60	40	12			
	Final Walk Through	8	16	20	16							$ 7,430.48	HEE
	Record Drawing	4	16	22	16	40							
	QA/QC	4	8	8		18							
	O&M Manual		8	16									
	Training		16										
	Asset Management Database		4	10	8					8			
	Subtotal Task 7	**94**	**384**	**478**	**184**	**64**	**50**	**160**	**120**	**44**	$ 78,737.90	$ 225,076.56	
	Labor Hours	**206**	**867**	**969**	**194**	**336**	**60**	**241**	**249**	**128**			
	Labor Costs	$20,105.60	$57,031.26	$32,897.55	$11,525.54	$16,396.80	$3,946.80	$9,459.25	$7,397.79	$2,580.48	$ 161,341.07		
	Labor Multiplier	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00			
	Labor Total	$60,316.80	$171,093.78	$98,692.65	$34,576.62	$49,190.40	$11,840.40	$28,377.75	$22,193.37	$7,741.44	$ 484,023.21		
	Subconsultant Total											$ 225,076.56	
	TOTAL ENGINEERING FEE											$ 709,099.77	

Subconsultants: HILLERS ELECTRICAL ENGINEERING, INC (HEE); Lakdas/Yohalem Engineering, Inc.(LYE)

GLOBALTECH
A DESIGN BUILD COMPANY

Takeoff Worksheet

10/31/25

PBC Water Utilities Department
120525 PBC WTP 11 Membrane Train Improvements - Phase II

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
1 General Requirements								
Project Predesign/Estimating								
Sr. Estimator		HR	60	162.32	9,739.20		1.5800	15,387.94
Estimator		HR	100	52.81	5,281.00		1.5800	8,343.98
Construction PM (CM4)		HR	80	97.60	7,808.00		1.5800	12,336.64
Procurement & Contracting								
Submittal Labor (CM4)		HR	110	97.60	10,736.00		1.5800	16,962.88
Submittal Labor (Const. Admin)		HR	100	58.35	5,835.00		1.5800	9,219.30
Scheduler 4Hr/Wk @ 16Months		HR	256	54.11	13,852.16		3.0000	41,556.48
Sr. Pr Manager (CM6)-8Hr/Wk @14Months		HR	448	162.32	72,719.36		1.5800	114,896.59
Construction PM (CM4)-16Hr/Wk@14Months		HR	896	97.60	87,449.60		1.5800	138,170.37
Construction PM (CM2)-16Hr/Wk@12Months		HR	768	65.78	50,519.04		1.5800	79,820.08
Purchasing & Subcontract (CM4)		HR	300	97.60	29,280.00		1.5800	46,262.40
Bldg Permits Application & Coordination (CM4)		HR	150	97.60	14,640.00		1.5800	23,131.20
Construction Admin-14Hr/Wk@18Months		HR	1008	58.35	58,816.80		1.5800	92,930.54
				Bid Item Totals:	**$366,676.16**			**599,018.40**
2 Sitework								
Mobilization/ Demob								
Construction PM (CM4)		HR	40	97.60	3,904.00		1.5800	6,168.32
Construction Superintendent		HR	40	105.03	4,201.20		1.5800	6,637.90
4-Man Crew		CR-D	6	1,663.52	9,981.12		1.5800	15,770.17
Temporary Facilicites								
Office Trailer		MONTH	12	535.00	6,420.00	7.00	1.1500	7,899.81
Container Rental		MONTH	12	300.00	3,600.00	7.00	1.1500	4,429.80
Sanitary		MONTH	12	400.00	4,800.00	7.00	1.1500	5,906.40
Job Site Office Supplies		MONTH	12	500.00	6,000.00	7.00	1.1500	7,383.00

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Waste Hauling		EA	10	875.00	8,750.00	7.00	1.1500	10,766.88
Project Closeout								
Startup Crew (4-Man Crew)		CR-D	8	1,663.52	13,308.16		1.5800	21,026.89
Punch Out Crew (4-Man Crew)		CR-D	10	1,663.52	16,635.20		1.5800	26,283.62
O&M (CM4)		HR	80	97.60	7,808.00		1.5800	12,336.64
Asset Management								
Construction PM (CM4)		HR	40	97.60	3,904.00		1.5800	6,168.32
Const. Admin		HR	20	58.35	1,167.00		1.5800	1,843.86
Fill & Sod		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Site Restoration & Cleanup (4-Man Crew)		CR-D	5	1,663.52	8,317.60		1.5800	13,141.81
Construction Superintendent		HR	80	105.03	8,402.40		1.5800	13,275.79
Construction Assistant		HR	40	50.92	2,036.80		1.5800	3,218.14
				Bid Item Totals:	**$115,050.38**			**166,564.10**
3 Concrete								
Booster Pump & PX								
Form & Materials		LS	1	2,000.00	2,000.00	7.00	1.1500	2,461.00
Cast In Place Concrete		YD	5	250.00	1,250.00	7.00	1.1500	1,538.13
Concrete Pump		EA	2	950.00	1,900.00	7.00	1.1500	2,337.95
Epoxy Grout		EA	6	650.00	3,900.00	7.00	1.1500	4,798.95
Concrete Labor (4-Man Crew)		CR-D	8	1,663.52	13,308.16		1.5800	21,026.89
Concrete Pad for VFD Enclosure - 19'x9'x3' Form & Materials		LS	1	2,000.00	2,000.00	7.00	1.1500	2,461.00
Cast In Place Concrete		YD	22	250.00	5,500.00	7.00	1.1500	6,767.75
Concrete Pump		EA	1	950.00	950.00	7.00	1.1500	1,168.98
Concrete Labor (5-Man Crew)		CR-D	8	2,053.92	16,431.36		1.5800	25,961.55

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Construction Superintendent		HR	40	105.03	4,201.20		1.5800	6,637.90
Construction Assistant		HR	40	50.92	2,036.80		1.5800	3,218.14
Concrete Testing	Pacifica	LS	1	3,415.00	3,415.00		1.1000	3,756.50
				Bid Item Totals:	**$58,117.52**			**82,134.74**
5 Metals								
SS Unistrut 316		EA	20	200.00	4,000.00	7.00	1.1500	4,922.00
SS Unistrut Hardware		LS	1	1,500.00	1,500.00	7.00	1.1500	1,845.75
316 SS Bolts. Nuts & Washers		LS	1	4,000.00	4,000.00	7.00	1.1500	4,922.00
Misc. Metals & Fasteners		LS	1	4,000.00	4,000.00	7.00	1.1500	4,922.00
SS Allthread		LS	1	4,000.00	4,000.00	7.00	1.1500	4,922.00
Epoxy Anchors		LS	1	950.00	950.00	7.00	1.1500	1,168.98
VFD Aluminum Enclosure Walkway	Apex	LS	1	39,775.00	39,775.00		1.1000	43,752.50
Installation (4-Man Crew)		CR-D	5	1,663.52	8,317.60		1.5800	13,141.81
				Bid Item Totals:	**$67,834.10**			**79,597.04**
9 Finishes								
Patch & Repair Wall Penetrations								
Coatings		LS	1	500.00	500.00	7.00	1.1500	615.25
Misc Application Material (Sundries)		LS	1	300.00	300.00	7.00	1.1500	369.15
Installation (4-Man Crew)		CR-D	2	1,663.52	3,327.04		1.5800	5,256.72
ERD Pad Floor Coating								
Coatings		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
Misc Application Material (Sundries)		LS	1	500.00	500.00	7.00	1.1500	615.25
Installation (4-Man Crew)		CR-D	4	1,663.52	6,654.08		1.5800	10,513.45
Signs & Labels								
RO Train		LS	1	1,000.00	1,000.00	7.00	1.1500	1,230.50
Interconnecting Pipe		LS	1	1,500.00	1,500.00	7.00	1.1500	1,845.75
Installation (4-Man Crew)		CR-D	2	1,663.52	3,327.04		1.5800	5,256.72

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
11 Equipment				**Bid Item Totals:**	**$20,049.16**			**28,779.04**
Vertical Pumps	Afton Pumps, Inc.	LS	4	265,980.00	1,063,920.00	7.00	1.1500	1,309,153.56
Interstage Booster Pumps	Afton Pumps, Inc.	EA	4	87,904.00	351,616.00	7.00	1.1500	432,663.49
Interstage Booster Pumps Spare Parts	Afton Pumps, Inc.	EA	1	7,570.00	7,570.00	7.00	1.1500	9,314.89
Booster Pump VFD	HWA - Eaton	EA	4	16,076.25	64,305.00	7.00	1.1500	79,127.30
VFD Enclosure	Coastline	LS	1	97,727.00	97,727.00	7.00	1.1500	120,253.07
PX-Q260 - 3/Train	Energy Recovery, Inc.	EA	12	33,062.67	396,752.04	7.00	1.1500	488,203.38
Freight		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Pump Alignment, Shims & Tools		LS	1	4,500.00	4,500.00	7.00	1.1500	5,537.25
Offloadding & Installation (5-Man Crew)		CR-D	56	2,053.92	115,019.52		1.5800	181,730.84
Construction Superintendent		HR	100	105.03	10,503.00		1.5800	16,594.74
Construction Assistant		HR	60	50.92	3,055.20		1.5800	4,827.22
17 I&C				**Bid Item Totals:**	**2,257,760.06**			**2,651,712.49**
Train 1								
1/2" Ball Valves		EA	12	360.00	4,320.00	7.00	1.1500	5,315.76
1/4" Toggle Valves		EA	15	150.00	2,250.00	7.00	1.1500	2,768.63
High Pressure PE Tubing		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
316 SS Tubing & Fittings		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Cable Ties & Misc. Materials		LS	1	200.00	200.00	7.00	1.1500	246.10
Conductivity Sensor		EA	1	4,500.00	4,500.00	7.00	1.1500	5,537.25
1" Flowmeter		EA	1	4,800.00	4,800.00	7.00	1.1500	5,906.40
6" Flowmeter Recalibration - 2EA/Train	Universal Controls	LS	1	800.00	800.00		1.1000	880.00
Sample Panel Relocation (4-Man Crew)		CR-D	4	1,663.52	6,654.08		1.5800	10,513.45
Instrumentation Panel Improv (4-Man Crew)		CR-D	2	1,663.52	3,327.04		1.5800	5,256.72
Train 2								
1/2" Ball Valves		EA	12	360.00	4,320.00	7.00	1.1500	5,315.76
1/4" Toggle Valves		EA	15	150.00	2,250.00	7.00	1.1500	2,768.63

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
High Pressure PE Tubing		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
316 SS Tubing & Fittings		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Cable Ties & Misc. Materials		LS	1	200.00	200.00	7.00	1.1500	246.10
Conductivity Sensor		EA	1	4,500.00	4,500.00	7.00	1.1500	5,537.25
1" Flowmeter		EA	1	4,800.00	4,800.00	7.00	1.1500	5,906.40
6" Flowmeter Recalibration - 2EA/Train	Universal Controls	LS	1	800.00	800.00		1.1000	880.00
Sample Panel Relocation (4-Man Crew)		CR-D	4	1,663.52	6,654.08		1.5800	10,513.45
Instrumentation Panel Improv (4-Man Crew)		CR-D	2	1,663.52	3,327.04		1.5800	5,256.72
Train 3								
1/2" Ball Valves		EA	12	360.00	4,320.00	7.00	1.1500	5,315.76
1/4" Toggle Valves		EA	15	150.00	2,250.00	7.00	1.1500	2,768.63
High Pressure PE Tubing		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
316 SS Tubing & Fittings		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Cable Ties & Misc. Materials		LS	1	200.00	200.00	7.00	1.1500	246.10
Conductivity Sensor		EA	1	4,500.00	4,500.00	7.00	1.1500	5,537.25
1" Flowmeter		EA	1	4,800.00	4,800.00	7.00	1.1500	5,906.40
6" Flowmeter Recalibration - 2EA/Train	Universal Controls	LS	1	800.00	800.00		1.1000	880.00
Sample Panel Relocation (4-Man Crew)		CR-D	4	1,663.52	6,654.08		1.5800	10,513.45
Instrumentation Panel Improv (4-Man Crew)		CR-D	2	1,663.52	3,327.04		1.5800	5,256.72
Train 4								
1/2" Ball Valves		EA	12	360.00	4,320.00	7.00	1.1500	5,315.76
1/4" Toggle Valves		EA	15	150.00	2,250.00	7.00	1.1500	2,768.63
High Pressure PE Tubing		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
316 SS Tubing & Fittings		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Cable Ties & Misc. Materials		LS	1	200.00	200.00	7.00	1.1500	246.10
Conductivity Sensor		EA	1	4,500.00	4,500.00	7.00	1.1500	5,537.25
1" Flowmeter		EA	1	4,800.00	4,800.00	7.00	1.1500	5,906.40
6" Flowmeter Recalibration - 2EA/Train	Universal Controls	LS	1	800.00	800.00		1.1000	880.00
Sample Panel Relocation (4-Man Crew)		CR-D	4	1,663.52	6,654.08		1.5800	10,513.45
Instrumentation Panel Improv (4-Man Crew)		CR-D	2	1,663.52	3,327.04		1.5800	5,256.72

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
				Bid Item Totals:	**$137,584.08**			**175,229.24**
26 Electrical								
Breaker Bucket Installation (2-Man Crew)		CR-D	4	925.12	3,700.48		1.5800	5,846.76
Conduits - SWBD 1/2 to Each VFD								
Three (3) - (3#600MCM, 1#3/0GND)		LF	120	173.19	20,782.80	7.00	1.1500	25,573.24
4" Aluminumn Conduit		LF	360	14.57	5,245.20	7.00	1.1500	6,454.21
4" LBs		EA	12	697.73	8,372.76	7.00	1.1500	10,302.68
4"Aluminum 90s		EA	36	204.14	7,349.04	7.00	1.1500	9,042.99
4"Aluminum Coupling		EA	48	40.85	1,960.80	7.00	1.1500	2,412.77
4" Grounding Bushings		EA	24	94.94	2,278.56	7.00	1.1500	2,803.77
Strut & Straps		LS	1	2,652.00	2,652.00	7.00	1.1500	3,263.29
Labor (2-Man Crew)		CR-D	22	925.12	20,352.64		1.5800	32,157.17
Conduits - VFD to Pump Motor								
Three (3) - (3#500MCM, 1#3/0GND)		LF	680	133.50	90,780.00	7.00	1.1500	111,704.79
4" Aluminumn Conduit		LF	2040	14.57	29,722.80	7.00	1.1500	36,573.91
4"Aluminum 90s		EA	36	204.14	7,349.04	7.00	1.1500	9,042.99
4" LBs		EA	21	697.73	14,652.33	7.00	1.1500	18,029.69
4"Aluminum Coupling		EA	204	40.85	8,333.40	7.00	1.1500	10,254.25
4" Grounding Bushings		EA	15	94.94	1,424.10	7.00	1.1500	1,752.36
Strut & Straps		LS	1	2,652.00	2,652.00	7.00	1.1500	3,263.29
All Thread 3/8"		LS	1	4,800.00	4,800.00	7.00	1.1500	5,906.40
Coring		LS	1	4,600.00	4,600.00	7.00	1.1500	5,660.30
4" LFMC		LS	1	2,059.80	2,059.80	7.00	1.1500	2,534.59
Labor (2-Man Crew)		CR-D	44	925.12	40,705.28		1.5800	64,314.34
Counduits - VFD to Pump Motor Instruments		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
Labor (2-Man Crew)		CR-D	7	925.12	6,475.84		1.5800	10,231.83
Conduits and Wiring for Pump VFDs								
1-1/2" Conduit & Couplings - Pump 1		LS	1	3,663.00	3,663.00	7.00	1.1500	4,507.32

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
1-1/2" Conduit & Couplings - Pump 2		LS	1	3,663.00	3,663.00	7.00	1.1500	4,507.32
1-1/2" Conduit & Couplings - Pump 3		LS	1	3,663.00	3,663.00	7.00	1.1500	4,507.32
1-1/2" Conduit & Couplings - Pump 4		LS	1	3,663.00	3,663.00	7.00	1.1500	4,507.32
Labor (2-Man Crew)		CR-D	13	925.12	12,026.56		1.5800	19,001.96
Circuit Breaker Accessory		LS	1	3,000.00	3,000.00	7.00	1.1500	3,691.50
600A Power Panel	Square D/Peninsular	EA	1	11,760.00	11,760.00	7.00	1.1500	14,470.68
Conduits - SWBD to New PP								
Two (2) 3#350, 1#2G		LF	370	110.55	40,903.50	7.00	1.1500	50,331.76
2" Aluminum conduit		LS	1	4,600.00	4,600.00	7.00	1.1500	5,660.30
2"Aluminum 90s		LS	1	2,000.00	2,000.00	7.00	1.1500	2,461.00
2" LBs		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
2"Aluminum coupling		LS	1	1,000.00	1,000.00	7.00	1.1500	1,230.50
Strut & Straps		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
All Thread 3/8"		LS	1	1,500.00	1,500.00	7.00	1.1500	1,845.75
Coring		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Labor (2-Man Crew)		CR-D	11	925.12	10,176.32		1.5800	16,078.59
Conduits - DP to Booster VFDs & Pump								
3#1/0, 1#6		LF	680	11.34	7,711.20	7.00	1.1500	9,488.63
2" Aluminum Conduit		LF	680	4.89	3,325.20	7.00	1.1500	4,091.65
2" Aluminum Couplings & 90s		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Non-Fusible Disconnect Switch 600V		EA	4	950.00	3,800.00	7.00	1.1500	4,675.90
Strut & Straps		LS	1	750.00	750.00	7.00	1.1500	922.88
Coring		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
Labor (2-Man Crew)		CR-D	16	925.12	14,801.92		1.5800	23,387.03
Conduits - Booster Pump VFDs to RIO		LS	1	4,000.00	4,000.00	7.00	1.1500	4,922.00
Couplings & Bushings		LS	1	3,800.00	3,800.00	7.00	1.1500	4,675.90
Strut, Straps Couplings, Unistrut		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Multi Conductor Shielded Cable		LS	1	3,000.00	3,000.00	7.00	1.1500	3,691.50
Labor (2-Man Crew)		CR-D	8	925.12	7,400.96		1.5800	11,693.52

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
I/O Modules - RIO Panel	Allen Bradley/Rexel	LS	4	9,926.33	39,705.32	7.00	1.1500	48,857.39
Wire#14 & Surge Arrestor		LS	1	1,112.00	1,112.00	7.00	1.1500	1,368.32
Multi Conductor Shielded Cable		LS	1	1,770.00	1,770.00	7.00	1.1500	2,177.99
Labor (2-Man Crew)		CR-D	6	925.12	5,550.72		1.5800	8,770.14
Hardware & Others		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
Sealant, Paint & Solvent		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
Wire & Cable Accessories		LS	1	4,000.00	4,000.00	7.00	1.1500	4,922.00
Freight		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Pre-Startup & Startup (2-Man Crew)		CR-D	14	925.12	12,951.68		1.5800	20,463.65
Electrical CM		HR	400	103.96	41,584.00		1.5800	65,702.72
				Bid Item Totals:	**$600,948.52**			**766,653.16**
40 Process Interconnections								
316 SS Sch 40 Piping Modifications	Aerex Industries, Inc.	EA	4	193,400.00	773,600.00	7.00	1.1500	951,914.80
14" Flg Accy Set (Bolts, Gasket)		EA	20	800.00	16,000.00	7.00	1.1500	19,688.00
10" Flg Accy Set (Bolts, Gasket)		EA	20	480.00	9,600.00	7.00	1.1500	11,812.80
8" Flg Accy Set (Bolts, Gasket)		EA	32	300.00	9,600.00	7.00	1.1500	11,812.80
6" Flg Accy Set (Bolts, Gasket)		EA	60	350.00	21,000.00	7.00	1.1500	25,840.50
6" 316 SS BFV Valves		EA	20	4,200.00	84,000.00	7.00	1.1500	103,362.00
6" Victaulic Coupling		EA	20	1,800.00	36,000.00	7.00	1.1500	44,298.00
8" Victaulic Coupling		EA	4	2,500.00	10,000.00	7.00	1.1500	12,305.00
Field Welding (3-Man Crew)		CR-D	12	1,357.92	16,295.04		1.5800	25,746.16
Installation - 5-Man Crew		CR-D	40	2,053.92	82,156.80		1.5800	129,807.74
Construction Superintendent		HR	300	105.03	31,509.00		1.5800	49,784.22
Construction Assistant		HR	200	50.92	10,184.00		1.5800	16,090.72
				Bid Item Totals:	**1,167,130.84**			**1,402,462.74**

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
41 Rental Equipment & Misc. Tools								
Crane		DAY	10	2,200.00	22,000.00	7.00	1.1500	27,071.00
Skid Steer		Month	4	3,047.50	12,190.00	7.00	1.1500	14,999.80
Mini Excavator		Month	1	3,982.45	3,982.45	7.00	1.1500	4,900.40
Warehouse forklift		MONTH	10	2,500.00	25,000.00	7.00	1.1500	30,762.50
Scissor Lift		MONTH	10	880.00	8,800.00	7.00	1.1500	10,828.40
Safety (CM 4)		HR	80	97.60	7,808.00		1.5800	12,336.64
Safety Program	Total Safety	LS	1	34,990.00	34,990.00		1.1000	38,489.00
Safety Equipment		LS	1	4,000.00	4,000.00	7.00	1.1500	4,922.00
Misc Tools & Equipment		LS	1	4,500.00	4,500.00	7.00	1.1500	5,537.25
Equipment Fuel		GAL	500	6.90	3,450.00		1.1500	3,967.50
Equipment Pickup & Delivery		EA	6	650.00	3,900.00	7.00	1.1500	4,798.95
				Bid Item Totals:	**$136,526.52**			**158,613.44**
100 Engineering								
Engineering		LS	1	709,099.77	709,099.77		1.0000	709,099.77
				Bid Item Totals:	**$709,099.77**			**709,099.77**
101 Allowance								
1200A Breaker Buckets - Allowance		LS	1	620,000.00	620,000.00		1.0000	620,000.00
Antenna Tower Allowance		LS	1	600,000.00	600,000.00		1.0000	600,000.00
				Bid Item Totals:	**1,220,000.00**			**1,220,000.00**
102 Bonds & Insurance								
Bonds & Insurance		LS	1	71,000.00	71,000.00		1.1500	81,650.00
Builders Risk		LS	1	100,703.34	100,703.34		1.1500	115,808.84
				Bid Item Totals:	**$171,703.34**			**197,458.84**
				Grand Totals:	**7,028,480.45**			**8,237,323.00**

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price

Note: CR-D=8Hrs
**Contract Markups Per Master Agreement:*
Materials = 1.15, Subcontractors = 1.1

ATTACHMENT F

OEBO SCHEDULE 1

REVISED 08-25-25

OEBO SCHEDULE 1*

SOLICITATION/PROJECT/BID NAME: Water Treatment Plant 11 Membrane Train Improvements - Phase II

SOLICITATION/PROJECT/BID NO.: PBCWUD 25-035

SOLICITATION OPENING/SUBMITTAL DATE: NA

COUNTY DEPARTMENT: Palm Beach County Water Utilities Department

Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT* ON THE PROJECT:

NAME OF PRIME RESPONDENT/BIDDER: Globaltech, Inc.

ADDRESS: 901 Yamato Rd., Ste. 220 Boca Raton, FL 33431

CONTACT PERSON: Bruce Rahmani, PE

PHONE NO.: 561-997-6433

E-MAIL: bruce@globaltechdb.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: $7,931,666.45

SBE Prime's must include their percentage or dollar amount in the Total Participation line under section B.

Non-SBE [X] SBE [ ]

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

Subcontractor/Sub consultant Name	(Check all Applicable Categories) Non-SBE	SBE	DOLLAR AMOUNT OR PERCENTAGE OF WORK
1. APEX Welding Services Corp	[ ]	[X]	$39,775.00
2. Hillers Electrical Engineering, Inc.	[ ]	[X]	$199,995.94
3. Total Safety Training & Consultants LLC	[ ]	[X]	$34,990.00
4. Pacifica Engineering Services, LLC	[ ]	[X]	$3,415.00
5. Lakdas/Yohalem Engineering, Inc.	[ ]	[X]	$25,080.61

(Please use additional sheets if necessary)

Total See Page 2

Total Bid/Offer Price $ 8,237,323.00

Total Certified SBE Participation $ See Page 2

I hereby certify that the above information is accurate to the best of my knowledge: Bruce Rahmani, PE - Rahmani VP of Construction

Name & Authorized Signature Title

Note:
1. The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
2. Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic category.
3. Modification of this form is not permitted and will be rejected upon submittal.
4. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation.

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

OEBO SCHEDULE 1*

SOLICITATION/PROJECT/BID NAME: Water Treatment Plant 11 Membrane Train Improvements - Phase II

SOLICITATION/PROJECT/BID NO.: PBCWUD 25-035

SOLICITATION OPENING/SUBMITTAL DATE: NA

COUNTY DEPARTMENT: Palm Beach County Water Utilities Department

Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT* ON THE PROJECT:

NAME OF PRIME RESPONDENT/BIDDER: Globaltech, Inc.

ADDRESS: 901 Yamato Rd., Ste. 220 Boca Raton, FL 33431

CONTACT PERSON: Bruce Rahmani, PE

PHONE NO.: 561-997-6433

E-MAIL: bruce@globaltechdb.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: $7,931,666.45

SBE Prime's must include their percentage or dollar amount in the Total Participation line under section B.

Non-SBE [X] SBE [ ]

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

Subcontractor/Sub consultant Name	(Check all Applicable Categories) Non-SBE	SBE	DOLLAR AMOUNT OR PERCENTAGE OF WORK
1. Universal Controls Instrument Services, Inc.	[X]	[ ]	$2,400.00
2.	[ ]	[ ]	
3.	[ ]	[ ]	
4.	[ ]	[ ]	
5.	[ ]	[ ]	

(Please use additional sheets if necessary)

Total $305,656.55

Total Bid/Offer Price $ 8,237,323.00

Total Certified SBE Participation $ $303,256.55

I hereby certify that the above information is accurate to the best of my knowledge: Bruce Rahmani, PE - B Rahmani VP of Construction

Name & Authorized Signature Title

Note:
1. The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
2. Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic category.
3. Modification of this form is not permitted and will be rejected upon submittal.
4. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation.

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

ATTACHMENT F

OEBO SCHEDULE 2

REVISED 08-25-25

OEBO LETTER OF INTENT – SCHEDULE 2*

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: PBCWUD 25-035

SOLICITATION/PROJECT NAME: Water Treatment Plant 11 Membrane Train Improvements - Phase II

Prime Contractor: Globaltech, Inc. Subcontractor: Apex Welding Services Corp

(Check box(s) that apply)

■ SBE ☐ Non-SBE ☐ Supplier Date of Palm Beach County Certification (if applicable): 2/27/23-2/26/26

SBE PARTICIPATION – SBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. SBE credit will only be given for the areas in which the SBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	91076 Welding Maintenance and Repair Services	$39,775.00	1	NA	$39,775.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: $39,775.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

_____ **Price or Percentage:** _____

Name of 2nd/3rd tier Subcontractor/subconsultant

Globaltech, Inc.
Print Name of Prime

By: _____
Authorized Signature

Bruce Rahmani, PE
Print Name

VP of Construction
Title

Date: October 31, 2025

Apex Welding Services Corp
Print Name of Subcontractor/subconsultant

By: Nichole R Zamarron
Authorized Signature

Nichole R Zamarron
Print Name

President
Title

Date: October 31, 2025

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

OEBO LETTER OF INTENT – SCHEDULE 2*

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: PBCWUD 25-035

SOLICITATION/PROJECT NAME: Water Treatment Plant 11 Membrane Train Improvements - Phase II

Prime Contractor: Globaltech, Inc. Subcontractor: Pacifica Engineering Services, LLC

(Check box(s) that apply)

■ SBE ☐ Non-SBE ☐ Supplier Date of Palm Beach County Certification (if applicable): 10/25/24-10/24/27.

SBE PARTICIPATION – SBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. SBE credit will only be given for the areas in which the SBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	90783 Testing Services	$3,415.00	1	NA	$3,415.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: $3,415.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

_____ **Price or Percentage:** _____

Name of 2nd/3rd tier Subcontractor/subconsultant

Globaltech, Inc.
Print Name of Prime

By: _____
Authorized Signature

Bruce Rahmani, PE
Print Name

VP of Construction
Title

Date: October 31, 2025

Pacifica Engineering Services, LLC
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

Wesley C Foster
Print Name

President
Title

Date: October 31, 2025

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

OEBO LETTER OF INTENT – SCHEDULE 2*

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: PBCWUD 25-035

SOLICITATION/PROJECT NAME: Water Treatment Plant 11 Membrane Train Improvements - Phase II

Prime Contractor: Globaltech, Inc. Subcontractor: Lakdas/Yohalem Engineering, Inc.

(Check box(s) that apply)

■ SBE ☐ Non-SBE ☐ Supplier Date of Palm Beach County Certification (if applicable): 10/29/22-10/28/25

SBE PARTICIPATION – SBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. SBE credit will only be given for the areas in which the SBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	92588 Structural Engineering	$25,080.61	1	NA	$25,080.61

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: $25,080.61

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

_____ Price or Percentage: _____

Name of 2nd/3rd tier Subcontractor/subconsultant

Globaltech, Inc.
Print Name of Prime

By: _____
Authorized Signature

Bruce Rahmani, PE
Print Name

VP of Construction
Title

Date: October 31, 2025

Lakdas/Yohalem Engineering, Inc.
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

Lakdas Nanayakkara
Print Name

President
Title

Date: October 31, 2025

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

OEBO LETTER OF INTENT – SCHEDULE 2*

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: PBCWUD 25-035

SOLICITATION/PROJECT NAME: Water Treatment Plant 11 Membrane Train Improvements - Phase II

Prime Contractor: Globaltech, Inc. Subcontractor: Hillers Electrical Engineering, Inc.

(Check box(s) that apply)

■ SBE ☐ Non-SBE ☐ Supplier Date of Palm Beach County Certification (if applicable): 10/17/24-10/16/27.

SBE PARTICIPATION – SBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. SBE credit will only be given for the areas in which the SBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	92531 Electrical Engineering	$199,995.94	1	NA	$199,995.94

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: $199,995.94

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

_____ **Price or Percentage:** _____

Name of 2nd/3rd tier Subcontractor/subconsultant

Globaltech, Inc.
Print Name of Prime

By: _____
Authorized Signature

Bruce Rahmani, PE
Print Name

VP of Construction
Title

Date: October 31, 2025

Hillers Electrical Engineering, Inc.
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

Thein Win
Print Name

Senior Vice President
Title

Date: October 31, 2025

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

OEBO LETTER OF INTENT – SCHEDULE 2*

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: PBCWUD 25-035

SOLICITATION/PROJECT NAME: Water Treatment Plant 11 Membrane Train Improvements - Phase II

Prime Contractor: Globaltech, Inc. Subcontractor: Total Safety Training & Consultants LLC

(Check box(s) that apply)

■ SBE ☐ Non-SBE ☐ Supplier Date of Palm Beach County Certification (if applicable): 1/11/24-1/10/27.

SBE PARTICIPATION – SBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. SBE credit will only be given for the areas in which the SBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	90775 Site Assessment and Site Field Observation	$34,990.00	1	NA	$34,990.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: $34,990.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

_____ **Price or Percentage:** _____

Name of 2nd/3rd tier Subcontractor/subconsultant

Globaltech, Inc.
Print Name of Prime

By: _____
Authorized Signature

Bruce Rahmani, PE
Print Name

VP of Construction
Title

Date: October 31, 2025

Total Safety Training & Consultants LLC
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

Darrylle Hood
Print Name

Manager
Title

Date: October 31, 2025

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

OEBO LETTER OF INTENT – SCHEDULE 2*

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: PBCWUD 25-035

SOLICITATION/PROJECT NAME: Water Treatment Plant 11 Membrane Train Improvements - Phase II

Prime Contractor: Globaltech, Inc. Subcontractor: Universal Controls Instrument Services, Inc.

(Check box(s) that apply)

☐ SBE ■ Non-SBE ☐ Supplier Date of Palm Beach County Certification (if applicable): NA

SBE PARTICIPATION – SBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. SBE credit will only be given for the areas in which the SBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	92557 Instrumentation/Engineering	$2,400.00	1	NA	$2,400.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: $2,400.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

_____ **Price or Percentage:** _____

Name of 2nd/3rd tier Subcontractor/subconsultant

Globaltech, Inc.
Print Name of Prime

By: B Rahmani
Authorized Signature

Bruce Rahmani, PE
Print Name

VP of Construction
Title

Date: October 31, 2025

Universal Controls Instrument Services, Inc.
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

Gary A Deremer
Print Name

Chief Executive Officer
Title

Date: October 31, 2025

ATTACHMENT G

Palm Beach County Water Utilities Department
Optimization and Improvements Design-Build
Resolution No. R2023-0086 Contract Dated December 20, 2022

SUMMARY OF
SBE BUSINESS TRACKING

Master Contract Participation	SBE: 24%
Current Proposal	
Value of Work Order No. 11	**$8,237,323.00**
Value of SBE Letters of Intent	**$303,256.55**
Actual Percentage	3.68%
Signed/Approved Work Orders	
Total Value of Work Orders	**$25,144,238.63**
Total Value of SBE Signed Subcontractors	**$4,516,898.68**
Actual Percentage	17.96%
Signed/Approved Work Orders Plus Current Proposal	
Total Value of Work Orders	**$33,381,561.63**
Total Value of Subcontractors & Letters of Intent	**$4,820,155.23**
Actual Percentage	14.44%

REVISED 08-25-25

ATTACHMENT H
Location Map

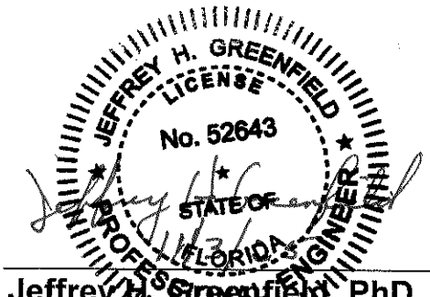
PBCWUD Project No. 25-035
Water Treatment Plant No. 11

ATTACHMENT I

DESIGN-BUILD CRITERIA

REVISED 08-25-25

Design-Build Criteria
Water Treatment Plant 11 Membrane Train
Improvements-Phase II
Project No. WUD 25-035
Package GL01
Work Authorization No. 11



11/3/2025

Jeffrey H. Greenfield, PhD, P.E. **Date**
Palm Beach County Water Utilities Department
8100 Forest Hill Blvd.
West Palm Beach, FL 33413

Design-Build Criteria
Water Treatment Plant 11 Membrane Train Improvements
Project No. WUD 25-035
Package GL01
Work Authorization No. 11

PART 1 REQUIREMENTS

1.1 Requirements per Florida Statute 287.055.

1 Legal Description of the project site (site):
1.1.1 Water Treatment Plant 11 (WTP 11).

2 Survey Information Concerning the Site: Design-Build Entity will provide additional survey as necessary.

3 Interior Space Requirements: Components of the proposed Work shall be installed within existing facilities (such as existing chemical trenches, chemical containment areas, electrical room and chemical dosing rooms, etc.) and surrounding area(s). Where possible the proposed Work shall be designed and installed without requiring alteration to existing facilities and the surrounding areas(s).

4 Material Quality Standards: Adhere to the current Palm Beach County Water Utilities Department (PBCWUD) Minimum Design and Construction Standards for Potable Water, Wastewater, Reclaimed Water, Record Information, Asset Management and the Approved Materials and Equipment List.

5 Schematic Layouts and Conceptual Design Criteria of the Project: Not Applicable.

6 Cost or budget estimates: $ 8,237,323.00

7 Design and Construction Schedules:

1.1.7.1. 100% Design Completion: 260 Calendar Days after receipt of executed Work Authorization and Notice to Proceed. Provide 60%, 90%, and 100% design packages, as well as signed and sealed Record Drawings prepared by a licensed professional engineer in the State of Florida.

1.1.7.2. Substantial Construction Completion: 640 Calendar Days. Construction cannot start until the 5th train is operational which is expected to be by August-September 2026.

1.1.7.3. Final Construction Completion: 700 Calendar Days after Substantial Construction Completion.

1.1.7.4. Liquidated damages will apply as follows:

1.1.7.4.1 $1,000 per day past substantial completion date.
1.1.7.4.2 $500 per day past final completion date.

8 Site Development Requirements: Not applicable

9 Provisions for Utilities: The Design-Build Entity shall obtain the necessary utility services by making application for the services and paying such fees and charges required by the utility companies, including construction water meters, if required.

10 Utility Locates and Protection of Utilities: Design-Build Entity is responsible for all utility locates within the project site and shall provide an independent locate service for all PBC WUD buried pipelines and electrical. Provide conductive utility locates, soft-dig using vacuum excavation, and ground penetrating radar as necessary to avoid damage to utilities. The Design-Build Entity shall x-ray or use ground penetrating radar for concrete which may have embedded conduits and utilities prior to penetrating the concrete. All water pipes, storm drains, force mains, gas or other pipe, telephone or power cables or conduits, and all other obstructions, whether or not shown, shall be temporarily removed from or supported across pipeline excavations. Before disconnecting any pipes or cables, the Design-Build Entity shall obtain permission from the Owner, or shall make suitable arrangements for their disconnection by the Owner. The Design-Build Entity shall be responsible for any damage to any such pipes, conduits or cables, and shall restore them to service promptly as soon as the work has progressed past the point involved. Approximate locations of known water, sanitary, drainage, power, and telephone installations along route of new pipelines or in vicinity of the work are shown on as-built drawings, but must be verified in the field by the Design-Build Entity. The Design-Build Entity shall uncover these pipes, ducts, cables, and other buried infrastructure, carefully, by hand, to verify location and depth of cover. Any discrepancies or differences found shall be brought to the attention of the Owner so that necessary changes may be made. The Design-Build Entity shall notify "SUNSHINE STATE" at 811 at least forty-

eight hours prior to performing any excavating activities. Evidence of such notice shall be furnished to the Owner prior to excavating.

11 Storm Water Retention and Disposal: Provide siltation barriers for all existing storm drainage catch basins impacted by construction activities. Clean all roadways, storm drains etc. affected by construction.

12 Parking Requirements: The parking and staging area will be limited to the School Board property to the west of the plant. Project material deliveries shall be between 7:00 AM to 3:00 PM Monday through Friday excluding public holidays. The Design-Build Entity will accept all their deliveries and provide loading and offloading equipment.

13 Access Requirements: Design-Build Entity shall comply with all WTP 11 security requirements and use the main gain for entry and exit.

1.2 General Requirements

1.2.1 The following items must be completed (at a minimum) to achieve Substantial Completion:

1.2.1.1 All existing systems in place and operating as intended.
1.2.1.2 Release has been granted by permitting agencies to begin operation.
1.2.1.3 Commissioning and Testing of all new equipment and systems completed. Provide Certificate of Proper Installation (COPI) from manufacturers.
1.2.1.4 Provide draft copy of the Operation and Maintenance Manuals
1.2.1.5 Provide draft Electronic Equipment Data Sheet Submittal for Asset Management with Excel file.
1.2.1.6 Sign and return the Certificate of Substantial Completion.
1.2.1.7 Provide Punchlist items.

1.2.2 The following items must be completed (at a minimum) to achieve Final Completion:

1.2.2.1 Provide Record Drawings, along with AutoCAD and PDF files, have been turned over to PBCWUD and approved.
1.2.2.2 Provide Final Electronic Equipment Data Sheet Submittal for Asset Management with Excel file.
1.2.2.3 Provide all final lubrications, adjustments, spare parts.
1.2.2.4 Complete all training.
1.2.2.5 Demobilize, perform final clean-up and restore site to original condition or better.

1.2.2.6 Provide warranties from manufacturers.
1.2.2.7 Complete all Punch List items.
1.2.2.8 Provide Certificate of Final Completion signed by the Engineer of Record.
1.2.2.9 Provide all final releases granted for all permits.
1.2.2.10 Provide Final Operation and Maintenance Manuals with computer files have been delivered to the Owner and equipment training has been completed.

1.2.3 Reference Documents: The following documents shall be used to develop signed and sealed Construction Documents.

1.2.3.1 Palm Beach County Water Utility Department (PBCWUD) Minimum Design Standards and Approved Materials List.
1.2.3.2 Palm Beach County Unified Land Development Code Article 14 – Environmental Standards (which contains the Palm Beach County Beach County Wellfield Protection Ordinance) and Article 15 – Health Regulations (which contains Environmental Control Rule 1 and 2).
1.2.3.3 Florida Administrative Code.
1.2.3.4 Florida Building Code
1.2.3.5 Design submittal requirements shall be in accordance with the Palm Beach County Water Utilities Design Manual.

1.2.4 Quality Assurance and Quality Control: The Design-Build Entity is responsible for both Quality Assurance and Quality Control including all testing.

1.2.4.1 Provide soil density and proctor testing for underground excavations, pavement crossings and foundations.
1.2.4.2 Provide concrete slump and compressive strength testing for all placed concrete. Provide test cylinders at both 7 days and 28 days for compressive strength.
1.2.4.3 Provide certified welders for designated welding processes for all stainless steel (SS) welding. All welded joints shall be pickled and passivated.
1.2.4.4 Provide pressure testing for piping and secondary containment, per the Palm Beach County Wellfield Protection Ordinance.
1.2.4.5 Design Build Entity shall provide bacteriological testing of all new water mains and water treatment processes using a certified laboratory. The laboratory shall take all bacteriological samples and shall use the Colilert Method..
1.2.4.6 Provide testing of new grounding and lightning protection systems if a ground test well is included in the project.
1.2.4.7 Provide testing of paint to verify proper coating thickness.

For interior of water bearing structures provide a certified National Association of Corrosion Engineers (NACE) inspector for surface preparation, adhesion and coating thickness.

1.2.4.8 Commissioning and testing of all new equipment. Provide Certificate of Proper Installation (COPI) from all manufacturers.

1.3 Summary of Work

1.3.1 Background and Statement of the problem to be solved.

1.3.1.1 Palm Beach County owns, operates and maintains Water Treatment Plant 11 (WTP). WTP 11 is the sole source of drinking water for the western communities consisting of the Cities of Belle Glade, Pahokee, and South Bay. It is critical that WTP 11 has reliable and effective treatment to provide drinking water. This project will include modifications to the existing four (4) Low-Pressure Reverse Osmosis (LPRO) membrane trains to provide treatment for 12,000 Milligrams per Liter (mg/L) Total Dissolved Solids (TDS) feedwater and produce 2.0 Million Gallons per Day (MGD) permeate water. The work includes installing four new membrane feed pumps, four new interstage booster pumps with Variable Frequency Drives (VFDs) and replacing the existing turbo-style energy recovery devices (ERDs) with Pressure Exchanger (PX) units.

These improvements will positively benefit the western communities by making available clean drinking water d with increasing TDS in the groundwater source water.

1.3.2 Design Build Criteria

The proposed work to be performed by the Design-Build Entity includes furnishing and installing all materials, labor, equipment and expertise including necessary tools, supervision, and services required to design, permit, purchase, demolish, construct, train, test, commission, startup and place into service complete and operational systems as described herein. All materials and equipment used shall be selected to be resistant to corrosive attacks from continuous exposure to various solids and liquids

present on site and compatible with the intended service environment, such as exposure to weather (e.g. wind, rain), dust, sunlight, water, wastewater or chemicals.

1.3.2.1.1 Wind and Seismic Loading

Exterior system components shall be designed to meet or exceed the Florida Building Code (FBC) High Velocity Hurricane Zone (HVHZ) requirements supplemented by ASCE 7-10 wind loading requirements using an ultimate wind speed of 183 mph and exposure C and seismic loads 2021 IBC/ASCE 71-0 Ss=0.049g Sl=0.025G shall comply with Design Code ASTM D3299 and ASTM D4097.

1.3.2.1.2 WTP 11

1.3.2.1.2.1 Administrative and Engineering Services

1. Meet with Palm Beach County Water Utilities Department (PBCWUD) to review the project scope and schedule. Conduct a site visit to inspect the work items below and develop the design accordingly.
2. Develop subcontracts with structural and electrical engineers, as well as other required entities.
3. Develop a preliminary site plan layout and equipment layout(s).
4. Prepare a Preliminary Design Technical Memorandum (TM). The TM shall briefly describe the equipment, including its design parameters, and layout(s). Equipment cut sheet examples for major equipment shall be provided in the TM. A preliminary site plan and equipment layout(s) will be provided. Five (5) copies of the TM and a portable document format (PDF) version shall be submitted.
5. Prepare and submit design deliverables at 60%, 90%, and 100% completion. Half-size drawings and PDF files are to be submitted for PBCWUD's review.
6. Prepare and submit documents to the Florida Department of Health (FDOH) for permitting purposes. PBCWUD will pay for permit fees.
7. Updated documentation will be submitted for approval if the existing disinfection strategy no longer meets regulatory requirements.
8. Prepare a detailed construction schedule.
9. Prepare submittals (or confirmation of compliance with PBCWUD design standards), administer, and track the submittal process.
10. Prepare the equipment data sheet and asset collection form.

11. Provide Engineer's site visits during construction to confirm construction is being performed in conformance with the Design Drawings and Specifications.

12. Prepare Record Drawings and Operation & Maintenance (O&M) Manuals.

13. Obtain the permit for the Palm Beach County WTP 11 Membrane Train Improvement from the FDOH.

1.3.2.1.3 Construction Services

1. Establish staging areas with Water Treatment Plant No. 11 (WTP11) staff at the site and mobilize the site.
2. Procure equipment and construct facilities for the construction tasks listed below. Equipment procurement shall begin upon approval of the Preliminary Design TM.
3. Improvements will be based on the approved TM and are expected to be listed in the Scope of Services paragraphs in this Work Order.
4. Obtain construction permit from Palm Beach County Planning, Zoning, Building Department (PBCPZB).
5. Restore the site to its existing conditions.

A. Low-Pressure Reverse Osmosis (LPRO) Skid

1. The modified LPRO system shall meet the following performance criteria:
    a. Normal Operation: The system shall be capable of producing a permeate flow rate of 2.5 MGD at a permeate recovery rate of 80% while treating feedwater with a TDS concentration of up to 7,500 milligrams per liter (mg/L).
    b. High TDS Operation: The system shall also be capable of producing 2.0 MGD at a 75% recovery rate when treating feedwater with a TDS of up to 12,000 mg/L.
2. The pressure vessels (PV) of the LPRO skid and membrane elements shall remain unchanged
3. Only one (1) of four (4) trains will be offline to be modified at one time. Modification to each train shall consist of the following:
    a. Modify the piping on the suction side of the new pump to accommodate the PX unit layout and provide new piping from the PX unit to the feed line.
    b. Replace all 10-inch and 8-inch schedule 10S stainless steel SST pipe in the First Stage Feed Line with new SST

schedule 40 pipe to handle a minimum pressure rating of 600 PSI.

c. The feed line fittings such as tees, reducers, elbows, and caps need to be replaced:

d. Replace First Stage Differential Pressure Indicator and pressure gauges.

e. Replace the existing roll grooved Victaulic Coupling on the feed line.

f. Replace the 8-inch SST CIP pipe located between the existing Victaulic coupling and butterfly valve of the first stage feed line.

g. Replace all 6-inch 10S SST pipe in the second stage feed line with the schedule 40 pipe to withstand a minimum pressure rating of 600 PSI. Provide the piping to interstage booster pump

h. The fittings on the interstage line such as tees, elbows, reducers, and caps need to be replaced

i. Remove and dispose of the turbine-style ERD on the concentrate line and provide new stainless steel Schedule 40 piping for the concentrate line to accommodate the new layout and the PX energy recovery device.

4. The existing 4 membrane trains shall be modified to be rated for a minimum operating pressure of 600 Pounds per Square Inch (PSI).

5. Furnish and install 4 dedicated LPRO feedwater pump designed for a flow rate of 1,400 Gallons Per Minute (GPM) at a Total Dynamic Head (TDH) of 1,100-feet. The pump will be supplied with a 500-horsepower motor and will operate using an owner-furnished and installed Variable Frequency Drive (VFD), which has already been installed to maintain production under varying feedwater quality and fouling conditions.

6. Each LPRO trains shall include three (3) Energy Recovery Devices (ERDs) for pressure management using two PX-Q260 Energy Recovery Device (PX) and an interstage booster pump capable of handling a feed flow of 790 GPM, with the capacity to increase pressure from 470 psi to 550 psi between stages. These components shall be integrated into the system design and coordinated to ensure seamless operation based on the membrane projection provided in the specification.

7. All sensors and sample points currently installed on the pipes to be replaced shall be reinstalled on the new piping.

8. All piping shall be constructed of 316 SST. All piping must be clearly labeled.

9. Unless stated otherwise, all above-grade pipe and valves shall be 316 SST. SST butterfly valves shall be lug-style. Flanges will be provided at all valves and pump connections.

10. All valves and flanges shall be rated for 300 pounds (300 lb.) class.

11. All equipment and pipe support anchors shall be 316 SST.

12. The modification shall not affect the capability of collecting the following data and recording it hourly on the Human-Machine Interface (HMI) computer during the performance testing period. All recorded data shall be available for trend analysis:

a. Feedwater pressure
b. Feed flow control valve position
c. First stage concentrates pressure
d. Second stage feed pressure
e. Concentrate valve position
f. Total permeate flow
g. First stage permeate flow
h. Second stage permeate flow (can be calculated)
i. Concentrate pressure
j. Concentrate flow (can be calculated)
k. First stage permeate pressure
l. Second stage permeate pressure
m. Permeate conductivity
n. Concentrate conductivity

13. The sample panel for each train shall be relocated to the south wall of the membrane building to allow space for the PX unit piping and interstage booster pump. Panels shall not be placed in front of the train, as clearance must be maintained for future membrane loading and unloading. New tubing shall be provided as needed to accommodate the relocated panels.

B. Electrical and Instrumentation and Control (I&C)

Electrical Work for New Membrane Feed Pumps & Feeder Breakers (4 Pumps)

1. Reuse existing 800-amp feeder breakers within the existing switchboard lineup.

2. Furnish and install new wiring in existing conduits to connect the new switchboard breakers to the VFDs.

3. Provide wiring from the VFDs to the new membrane feed pumps. Existing conduits shall be reused for each pump location.
4. Furnish and install wiring for all associated instruments at each new pump (e.g., pressure transmitters and related devices).
5. Perform pump motor terminations.
6. Install conduit supports as required throughout the new installation.
7. Electrically disconnect the instrumentation on the piping that needs to be replaced and then reconnect it. Ensure that the data is correctly transferred to both Supervisory Control and data Acquisition (SCADA) and the local transmitters.
8. Provide programming and SCADA modifications as required to integrate the new equipment into the facility's control system.
9. Support startup activities and testing to ensure proper integration and operation of the new membrane feed pumps.

Booster Pump Electrical Scope (4 Pumps)

1. Provide and install a new feeder bucket within the existing switchboard (SWBD-1 and SWBD-2) to serve each booster pump.
2. Furnish and install new Eaton 75 horsepower (HP) VFDs for each booster pump.
3. Furnish and install conduit and wiring from the Motor Control Center (MCC) to the VFDs and from the VFDs to the booster pump locations.
4. Furnish and install one (1) new Remote Input/Output (RIO) dedicated to the new interstage booster pumps. Mount and ground according to PBCWUD standards and interconnect all signals back to the existing Main Control Panel (RIO-1). Label and function-test each field termination.
5. Provide conduit and wiring to support new booster pump control circuits.
6. Install conduit supports wherever required for proper routing and structural integrity.
7. Complete motor terminations for all booster pump connections.

Assumptions:

- The post-treatment capacity analysis, including the potential expansion of the degasifiers and scrubbers to accommodate the expansion, is outside the scope of this project.
- The raw water supply, including the potential need for new wells to meet future capacity, is outside the scope of this project.
- This project will not increase the permitted or design capacity of the water treatment plant.
- The evaluation, assessment, or redesign of the Heating, Ventilation, and Air Conditioning (HVAC) system inside the membrane building is specifically excluded from this project scope.
- The owner will provide adequate outage windows for breaker installations, MCC tie-ins, and other shutdown-related activities.
- All work will be performed in compliance with applicable codes and standards National Electric Code (NEC), National Fire Protection Association (NFPA), Institute of Electrical and Electronics Engineers (IEEE), and facility safety protocols.
- SCADA modifications are limited to programming and integration of new devices.
- Existing raceways, supports, and penetrations will be reused where feasible.
- Construction cannot start until Train 5 is completed.

Allowance:

- 1200A Breaker Buckets $620,000.00 Allowance due to price estimating from vendor will take up to 4-6 weeks to provide an estimate, not in the timeframe of PBCWUD's request for proposal needed.
- Antenna Tower $600,000 Allowance due to a scope addition, and the vendor will take up to 4-6 weeks to provide an estimate. Not in the timeframe of PBCWUD's request for proposal needs.

1.3.3 Prescriptive Criteria

The following are manufacturer's materials that are specified: membrane feed pump-Afton Pump, energy recovery devices-ERI PX, VFD's-Eaton, and electrical components for the control panel-Allen Bradley.

1.3.4 The Design-Build Entity shall secure all permits required to complete the work under this contract. The Design-Build Entity shall be responsible for all inspections and requirements to close-out the completed permits. The Owner will pay all permit fees. The Design-Build Entity shall be responsible for all Business tax fees for work within Palm Beach County or Municipalities. The following permits may be required for this project: Palm Beach County Health Department Permit and Palm Beach County Planning Zoning and Building - Building Division Permit(s).

1.4 Work Restrictions

1.4.1 Maintenance of Operations: The Design-Build Entity's activities or any partial plant shutdowns shall minimize disruption to the treatment facilities and conveyance. The Design-Build Entity shall schedule and perform the proposed work in a manner such that the Owner can keep the existing treatment and conveyance facilities in continuous, dependable operation. Operation of all existing valves, gates, and equipment shall be performed by Owner. All utility access manholes, valves, and fire hydrants shall be kept accessible at all times.

1.4.2 Work Hours: Typical work hours will be 7:00 AM to 5:00 PM Monday to Friday, not including legal holidays. Work performed outside of the established working hours requires the permission from the Owner.

1.4.3 Shutdown Plan: Design-Build Entity shall develop a plan in conjunction with the Owner, for any planned plant or process shutdowns. Each shutdown plan shall be submitted to the Owner for review and approval at least thirty (30) calendar days prior to commencing any of these work activities. If, in the opinion of the Owner, a shutdown is not required in order for the Design-Build Entity to perform the proposed work, the Design-Build Entity shall use alternative methods to accomplish the work. All shutdowns shall be coordinated with and scheduled at times suitable to the Owner. The Owner shall be provided a minimum of fourteen (14) calendar days' notice of Design-Build Entity's need for any system or partial system shutdown. Additional notice may be required for certain shutdowns. If multiple shutdowns are required to complete the work, such shutdowns shall be spaced to allow plant Operations staff to fill the ground storage tanks. Plant shutdowns shall be during the low flow periods of the year.

Shutdowns during the following periods shall not be allowed, unless written prior approval is provided by the Owner:

- Week of Thanksgiving,
- Seven (7) calendar days prior to December 25th,
- Between December 25th and January 1st,
- Seven (7) calendar days post to January 1st.

1.4.4 Project Coordination: Design-Build Entity shall be solely responsible for coordination of all of the proposed work, and shall supervise, direct, and cooperate fully with all sub-contractors, manufacturers, fabricators, suppliers, distributors, installers, testing agencies, and all others whose services, materials or equipment are required to assure completion of the proposed work within the contract time. Design-Build Entity shall cooperate with, and coordinate his work with, the work of any other contractor, utility service company, or Owner's employees performing additional work related to the project at the site. Design-Build Entity shall not be responsible for damage done by other contractors on site who are not under the Design-Build Entity's jurisdiction except where such loss or damage is caused by the negligence of Design-Build Entity. Design-Build Entity shall also coordinate his work with the work of others to assure compliance with schedules. Design-Build Entity shall attend and participate in all project coordination or progress meetings and report on the progress of all work and compliance with schedules. The Design-Build Entity shall provide and maintain a Project Representative from his organization at the site at all times during performance of the work, who may be reached at any time while work is in progress.

1.4.5 Debris Removal: The Design-Build Entity shall confine his activities to the site(s) designated by Owner for the work or staging areas for materials storage. Design-Build Entity shall be responsible for keeping all work areas clear of construction debris and perform daily housekeeping activities to maintain a safe working environment for existing plant personnel. All debris, materials, pipe, and miscellaneous waste products from the proposed work shall be removed from the Project Site as soon as possible. They shall be disposed of in accordance with applicable federal, state, and local regulations. The Design-Build Entity shall be responsible for determining these regulations and shall bear all costs or retain any profit associated with disposal of these items.

1.4.6 Safety: The Design-Build Entity shall comply with all laws or ordinances covering the protection of such work, and the safety measures to be employed therein. No trenches or holes near walkways, in roadways, or road shoulders are to be left open during night hours without the permission of the Owner, and proper protection. The Design-Build Entity shall maintain of suitable lighting to maintain a safe working environment. The Design-Build Entity

shall not add any tripping hazards to the project site without permission of the Owner. The Design-Build Entity shall employ the Best Management Practices to provide a safe final product.

1.5 Security

The Palm Beach County Criminal History Records Check Ordinance, Palm Beach County Code Section 2-371 - 2-377. Pursuant to the ordinance, the County will conduct fingerprint-based criminal history record checks on all employees of contractors and subcontractors of contractors, vendors, repair persons and delivery persons entering a facility determined to be either a critical facility ("Critical Facilities") or criminal justice information facility ("CJI Facility"). Critical Facilities and CJI Facilities and the corresponding list of disqualifying offenses are identified in Resolution R2013-1421 and is available upon request. In October, 2013, compliance with the requirements of the U.S. Federal Bureau of Investigations Criminal Justice Information (CJI) security policy was added to the ordinance and has a broad list of disqualifying offenses. The Design-Build Entity understands that is solely responsible for the financial, schedule and/or staffing implications of compliance with this ordinance, and represents and warrants that its bid price includes any direct or indirect costs (not including the FDLE/FBI fees which will be paid directly by the County) of compliance with this county code.

The Design-Build Entity is responsible for the security of their work, equipment, and material at all times.

1.6 Project CPM Schedule

Design-Build Entity must prepare and maintain a project schedule using Primavera P6 Software (P6) and the Critical Path Method (CPM) of scheduling. The following outlines the minimum schedule requirements. The schedule must be updated each month at a minimum and will be reviewed by the Owner to determine design and construction progress.

1.6.1 Design Schedules

The Design-Build Entity shall develop a detailed design schedule reflecting work elements at a package level by discipline. An estimate of the construction duration and staging be developed and linkages to other work packages will be clearly indicated. It will be updated at least monthly and at a minimum, milestones shall be depicted for:

- Notice-to-Proceed
- 60 percent submittal
- Each required permitting submittal

1.6.2 Construction Schedules

The basics of the construction schedule submittals are outlined below.

1.6.2.1 Baseline Requirement: The Construction Schedule shall use P6 and follow the Critical Path Method of scheduling, and shall reflect how the Design-Build Entity will build the project. The schedule shall show the duration of each activity so that the Project Manager can accurately monitor the progress of the work. Schedule activities must be consistent with work items listed in the Schedule of Values and be cost-loaded such that schedule updates provide an independent check on the amounts shown in the Design-Build Entity's monthly progress payment request.

Additionally, the schedule will address the logic of construction activities, including any work constraints due to:

- Operational or permit requirements
- Special requirements of the technical specifications
- Standard construction practices
- Safety of the work place
- Manpower loading and availability
- Key Resource or Materials quantity loading

1.6.2.2 Initial Construction Schedule Submittals: The Design-Build Entity shall be required to submit two schedule documents at the pre-construction conference. These are:

- The Plan of Operation for the initial 30-day period of the contract
- An initial draft of the P6 Baseline CPM schedule

The Project Managers for the Owner and the Design-Build Entity shall meet to review and discuss the 30-day plan of operation and Baseline CPM schedule shortly after submittal to the Owner's Project Manager. The Owner Project Manager's review and comment on the schedules will be limited to conformance with the sequencing and milestone requirements in the Contract Documents. The Design-Build Entity shall be required to make corrections to the schedules necessary to comply with the requirements and adjust the schedules to incorporate any missing information requested by the Owner's Project

Manager. Key elements of the schedule reviews will include:

- Production rates for reasonableness
- Appropriate level of detail
- Satisfaction of contractual constraints
- Accurately reflecting submittals, procurements, training and start-up tasks
- Conforms with approved schedule of values
- Complies with industry scheduling practices
- Schedule risk and critical path discussion

The Plan of Operation depicts accomplishment of the Contractor's early execution activities (e.g. mobilization, permit acquisition, submittals necessary for early material and equipment procurement, submittals necessary for long lead equipment procurement, CPM submittals, initial site work and other submittals and activities required in the first 30 days).

1.6.2.3 Construction Schedule: The P6 Baseline schedule will be included in all subsequent schedule updates and will be the basis for measuring progress and performance. Schedule updates and other reporting requirements will be detailed in the schedule specifications. The construction schedule will provide information on major construction milestones and allow for quantity tracking. Related interface activities pertinent to facilities start-up and commissioning will also be shown. The associated Schedule of Values will delineate information related to quantity unit rate reporting, labor wage rates, bulk materials pricing and other costing/pricing information as requested.

The Project Manager's review of the schedule is to ensure basic compliance with requirements and reasonableness of plan, and does not constitute an approval of the approach or direction relative to means and methods of construction.

The Contractor's Progress Schedule, at a minimum, shall identify significant interim milestones that relate to the Project's Summary Schedule, in addition to:

- Notice-to-Proceed

- Mobilization
- Weather Days Allowance
- Contract Float
- Substantial Completion
- Commissioning: Startup and Testing and Training
- Final Completion

1.6.3 Schedule Updates

On a regular basis, and not less than monthly, summary schedules should be updated to track and monitor progress of activities, completion of contract deliverables, interim milestone achievement, start and completion dates, and other related aspects of scheduling. Additionally, any approved changes to the scope of work will be reflected in the schedules.

Progress is monitored by comparing monthly work accomplished against both the baseline plan, and the progress of work from the prior month. Starting with the first month of status updating, progress for all projects will be measured against the baseline for start and finish dates, scheduled progress and cash flow, along with analysis for changes in logic and activities durations.

1.7 Field Engineering

Where the dimensions and locations of existing pipe and utilities are of critical importance in the installation or connection of proposed work, the Design-Build Entity shall verify such dimensions and locations in the field prior to the fabrication of any materials or equipment, which is dependent on the correctness of such information. The Design-Build Entity shall employ a land surveyor registered in the State of Florida. The Design-Build Entity shall locate and protect survey control and reference points. The Design-Build Entity shall be responsible to establish elevations, lines, and levels, utilizing recognized engineering survey practices. The Design-Build Entity shall provide all labor, instruments and stakes, templates, and other materials necessary for marking and maintaining all lines and grades. The Design-Build Entity shall submit a copy of as-built drawings signed/sealed by the land surveyor that the elevations and locations of the work in Florida State Plane Coordinates are in conformance with the contract documents and will reference Geodetic Datum NAD83. All elevations shall refer to North American Vertical Datum of 1988 (NAVD88) and include conversion from National Geodetic Vertical Datum of 1929 (NGVD29) as required.

1.8 Closeout Procedures

1.8.1 Record Drawings: The Design-Build Entity shall maintain one set of

Drawings at the Site for the preparation of Record Drawings. On these, it shall mark every project condition, location, configuration, and any other change or deviation which may differ from the Contract Drawings at the time of award, including buried or concealed construction and utility features that are revealed during the course of construction. Special attention shall be given to recording the horizontal and vertical location of buried utilities that differ from the locations indicated, or that were not indicated on the Contract Drawings. Said Record Drawings shall be supplemented by any detailed sketches as necessary or as Design-Build Entity is directed, to fully indicate the work as actually constructed. These Record Drawings are the Design-Build Entity's representation of as-built conditions, shall include revisions made by Work Supplement, and shall be maintained up-to-date during the progress of the work. Red ink shall be used for alterations and notes. Notes shall identify relevant Work Supplements by number and date. Provide AutoCAD and PDF files of the Record Drawings. The AutoCAD files shall include all external reference (XREF) files.

1.8.2 Asset Management: The Design-Build Entity shall be responsible for preparing an electronic database, in a format provided by the Owner, of the project assets being installed under this project and subsequently transferred to the Owner upon substantial completion of the project. A draft version of the asset database shall be included as part of the Design-Build Entity's Substantial Completion application. The final version of the database shall be provided to the Owner prior to Final Completion.

PART 2 ACCEPTANCE TEST REQUIREMENTS

The Design-Build Entity shall be responsible for coordinating and completing all commissioning activities including but not limited to the overall system startup and testing. The Design-Build Entity shall coordinate with the Owner and is responsible for providing all labor, equipment, and materials for conducting commissioning activities including but not limited to individual systems startup and testing.

2.1 Starting and Placing Equipment in Operation

Design-Build Entity shall initially start-up and place all installed equipment into successful operation according to manufacturer's written instructions and as instructed by manufacturer's field representative. Design-Build Entity shall provide all material, labor, tools, equipment, lubricants, and expendables required to complete start-up. No system or subsystem shall be started up for continuous operation unless all components of that system or subsystem, including instrumentation, have been tested and proven to be operable as required for proposed work.

General system startup activities are anticipated to include but not be limited to cleaning; removing temporary protective coatings; flushing and replacing greases and lubricants as required by manufacturers; lubrication; checking shaft and coupling alignments and resetting where required; checking and setting motor, pump and other equipment rotation, safety interlocks, and belt tensions; checking and correcting if necessary leveling plates, grout, bearing plates, anchor bolts, fasteners and alignment of piping which may put stress on equipment; performing any adjustments; providing chemicals and lubricants and all other required operating fluids; providing fuel, electricity, water, filters; and, other expendables required for startup of equipment.

Owner will provide sufficient personnel to assist Design-Build Entity in the start-up, but the prime responsibility for proper mechanical operation shall belong to Design-Build Entity. Manufacturer's representatives shall be present during initial start-up and operation. Owner will assume responsibility for operation of the equipment upon completion of start-up and placing equipment in operation. Owner shall provide all power and chemicals for startup and operation.

2.2 Minimum Start-Up Requirements

2.2.1. The Design-Build Entity shall check each electrical control circuit to assure that operation complies with regulations and requirements of proposed work and to provide desired performance.

2.2.2. The Design-Build Entity shall check each motor amperage and compare to the amperage nameplate value, and correct any conditions which produce excessive current flow, and exist due to equipment malfunction.

2.2.3. The Design-Build Entity shall check glands and seals for cleanliness and proper adjustment before running pump; inspect shaft sleeves for scoring; inspect mechanical faces, chambers, and seal rings, and replace if defective; and verify that piping system is free of dirt and scale before circulating liquid through the pump.

2.2.4. System start-up and operational testing procedures shall not be limited to those specified herein. Others shall be performed as required to prove that the system functions and performs as described and required by this Design-Build Criteria Package.

2.3 Equipment Startup and Performance Testing

2.3.1. The Design-Build Entity shall be responsible for performance testing during startup of all mechanical, electrical equipment and systems.

2.3.2. Provide a testing plan setting forth the sequence in which all testing work required for the proposed upgrades will be implemented.

2.3.3. Documentation of the results of all equipment and system tests shall be submitted to the Owner. Provide calibration tags for all Design-Build Entity furnished and installed equipment certifying the date of calibration.

2.3.4. The Design-Build Entity shall also be responsible for providing a Certificate of Proper Installation (COPI) for all equipment. COPIs will be provided to the Owner or the Owner's Representative prior to commencing any commissioning, startup and testing activities. COPIs will be included in the Technical Manual.

PART 3 TECHNICAL REQUIREMENTS

3.1 Plant Site / Civil Requirements

The Design-Build Entity shall be responsible for becoming completely familiar with the site conditions in connection with developing the final site plan including all site investigations. If analysis of subsurface conditions, geotechnical conditions, and soil borings are required to complete the work, it shall be the responsibility of the Design-Build Entity to perform this work.

3.2 Demolitions and Equipment Removal

Design-Build Entity shall be responsible for all labor, materials, equipment, and incidentals required for demolitions and pay for all disposal fees. Design-Build Entity shall not start removals without the permission of the Owner. At least 48 hours prior to commencement of any demolition activities, the Design-Build Entity shall advise the Owner, in writing, of the proposed schedule.

Design-Build Entity shall carry out operations so as to avoid interference with Owner's operations and work in the existing facilities. Design-Build Entity shall perform all demolition and removal work so as not to interfere with the use and safe passage to and from adjacent structures and shall prevent damage or injury to structures, occupants, and adjacent features, which might result from falling debris or other causes. Design-Build Entity shall erect and

maintain barriers, lights, sidewalk sheds, and other necessary protective devices. The Design-Build Entity is responsible for repairing damage to the Owner's property or facilities, caused by the Design-Build Entity's activities.

Design-Build Entity shall not bring explosives on site or use explosives without the written consent of the proper authorities having jurisdiction. Design-Build Entity shall use water sprinkling, temporary enclosures, and other suitable methods for dust control within the lowest practical level in compliance with governing regulations.

Surfaces of walls, floors, ceilings, or other areas, which are exposed by any of the removals, and which will remain as architecturally finished surfaces shall be repaired and re-finished by Design-Build Entity with the same or matching materials as the existing adjacent surface. Adjacent structures, facilities, and improvements impacted by dust, dirt, and debris caused by demolition operations shall be cleaned and returned to pre-construction conditions.

Where piping that is to be removed passes through existing walls, the piping shall be cut off and properly capped on each side of the wall. When underground piping is to be altered or removed, the remaining piping shall be properly capped. Abandoned underground piping may be left in place and grouted under major structures/roadways, unless it interferes with the work. Any changes to potable water piping work shall be made in conformance with all applicable codes and under the same requirements as other underground piping.

All materials and equipment removed from existing work shall become the property of Design-Build Entity, except for those which Owner has identified and marked for their use. All materials and equipment marked by the Owner for its use shall be carefully removed by Design-Build Entity so as not to be damaged, and shall be cleaned and stored in a protected location specified by the Owner. Design-Build Entity shall dispose of all demolition materials, equipment, debris, and all other items not marked by the Owner, off the work site and in conformance with all existing applicable laws and regulations. Upon completion of the work, all materials, equipment, waste, and debris of every sort shall be removed and premises shall be left, clean, neat, and orderly.

3.3 Trenching, Excavation and Backfill

The Design-Build Entity will adhere to all OSHA and PBC regulations when performing all excavating activities and in compliance with Florida Trench Safety Act. Minimum density shall be 98% of the AASHTO maximum density

under pavement and structures and 95% of the AASHTO maximum density in all other areas.

Design-Build Entity shall furnish all labor, materials, equipment and incidentals required to perform all excavating, backfilling and disposing of earth materials required for the purpose of constructing structures, conduits, pipelines, grading, and other facilities required to complete the work in every respect.

Design-Build Entity shall be solely responsible for designing, installing, operating and maintaining whatever system is required to satisfactorily accomplish all necessary sheeting, bracing, protection, underpinning and dewatering. The use of explosives will not be permitted. All remaining spoil piles and excess fill shall be removed from site.

Design-Build Entity shall be responsible for all field test data and shall submit to Owner copies of all test reports from his testing laboratory.

Design-Build Entity shall perform excavation work in compliance with applicable requirements of governing authorities having jurisdiction. Design-Build Entity shall obtain all necessary permits including but not limited to work in roads and rights of way. Design-Build Entity shall also obtain permits as required by local, state and federal agencies for discharging water from excavations. Design-Build entity shall provide siltation barriers until sod and irrigation is restored.

Data on subsurface conditions will be made available by Owner for the convenience of Design-Build Entity. The reports are not intended as a representation or warranty of continuity of such conditions between soil borings. Owner will not be responsible for interpretations or conclusions drawn by Design-Build Entity. Additional test borings and other exploratory operations may be made by Design-Build Entity at no cost to Owner. Design-Build Entity shall perform utility locates prior to all soil borings.

Drawings from existing records showing certain surface and underground structures adjacent to the work will be made available by Owner. It is not guaranteed to be correct or complete and is shown for the convenience of the Design-Build Entity. Design-Build Entity shall explore ahead of the required excavation to determine the exact location of all structures. They shall be supported and protected from damage by the Design-Build Entity. If they are broken or damaged, they shall be restored immediately by the Design-Build Entity at its expense.

Design-Build Entity shall locate existing underground utilities in the areas of work. If utilities are to remain in place, Design-Build Entity shall provide adequate means of protection during earthwork operations. If uncharted or incorrectly charted piping or other utilities are encountered during excavation, Design-Build Entity shall consult the Owner immediately for directions as to procedure. Design-Build Entity shall cooperate with Owner and utility companies in keeping respective services and facilities in operation. Design-Build Entity shall repair damaged utilities to the satisfaction of Owner.

Design-Build Entity shall not interrupt existing utilities serving facilities occupied and used by Owner or others, except when permitted in writing by Owner and then only after acceptable temporary utility services have been provided.

3.4 Cast-In-Place Concrete

Where required for wall penetrations, pipe supports, and other repair or replacements required to complete the work, the Design-Build Entity shall be responsible for providing concrete consisting of Portland cement, fine and coarse aggregate, water, and approved admixtures; then combined, mixed, transported, placed, finished and cured to accommodate the proposed work. All admixtures, curing compounds, and related products used in concrete or the curing and repair of concrete, which can contact potable water, shall be certified as conforming to the requirements of ANSI/NSF 61 for contact with potable water when in the finished concrete. Concrete sidewalks shall have minimum 3,000 psi 28-day compressive strength. All structural concrete shall have minimum 4,000 psi 28-day compressive strength.

3.5 Miscellaneous Metals

All metals shall be non-ferrous except of steel reinforcing and as approved by the Owner. All bolt, nuts and washers shall be 316 stainless steel and the nuts shall be coated with a material suitable to prevent galling. All anchor bolts shall be 316 stainless steel (SS) except in chemical containment areas which may have corrosive environments. For chemical containment areas the Design-Build Entity shall select suitable anchor bolts to prevent corrosion if a spill occurs. Stanchions, pipe supports, equipment bases, braces, Unistrut and straps shall be 316 SS or aluminum. Dissimilar metal protection shall be shall be provided through use of appropriate dielectric materials where required.

3.6 Painting and Coating

Design-Build Entity shall provide all labor, materials, tools, equipment, and incidentals as required to furnish and apply coating systems for surface preparation and coating of all new and existing interior and exterior surfaces identified as part of the work. Manufacturer's recommendations, including surface preparation, cure times, application thickness, application method, applicability of selected paintings and coatings for their intended use shall be strictly followed. Items to be coated shall include but not be limited to walls, floors, piping, equipment, supports and other pertinent accessory items or area damaged by construction activity.

Owner's approval shall be required for all components of the surface preparation, selection of colors, and paint system application before the start of proposed work.

Color-coding of pipelines, valves, equipment and ducts shall comply with applicable standards of ANSI A13.1, ANSI Z535.1, and 40 CFR 1910.144. Finish coats of paint for pipelines and equipment shall be coded in basic colors. Colors shall be brilliant, distinctive shades matching safety and pipeline colors per ANSI Z535.1, Recommended Standards for Water Works; Recommended Standards for Wastewater Facilities, color specifications for safety colors and other primary colors.

Provide pipe labels with flow arrows at each change in direction, tees (all sides) and every 20 feet of straight run.

3.7 Valves and Piping Requirements

The Design-Build Entity is responsible for the location, sizing and selection of all equipment, pipe, valves, supports, and associated materials. The Design-Build Entity shall conform to the current version of the Palm Beach County Water Utilities Minimum Design Standards and Approved Materials List. Valves shall be placed at locations for ease of operation, isolating breaks and testing. Provide adequate unions and dismantling joints to perform routine maintenance.

At a minimum, the following information shall be submitted to the Owner for review and approval prior to installation:

- Detailed drawings and manufacturer's data for valves, pipe, fittings, gaskets, harnessing, supports, bolt kits, couplings, and all other pertinent materials required to complete the work
- Certificates of Compliance with applicable referenced standards and any provisions for valves, pipe, joints, fittings, coatings, linings, sleeves, gaskets, harnessing, and all other appurtenances
- Field pressure testing
- Flushing and disinfection plans
- Signed and sealed by a Professional Engineer registered in Florida calculations for pipe support systems larger than twelve (12) inches in diameter.

Materials shall be delivered to the site to ensure uninterrupted progress of the work. Pipe, fittings, valves and associated other materials shall be handled carefully with approved handling devices. Materials shall be stored on heavy wood blocking or platforms so they are not in contact with the ground. Delivered materials shall be inspected for cracked, gouged, chipped, dented or other damage to the packaging or materials. If such damage is found, damaged materials shall be rejected and immediately removed from the site. If in the process of manufacture, transportation, storage or handling, any valves, pipe, fittings, or associated other materials are damaged, such material shall be rejected and replaced at the Design-Build Entity's expense.

Pipe interiors shall be kept completely free from dirt and foreign matter. All pipe shall be installed in strict accordance with the manufacturer's instructions and recommendations. When pipe must be cut-to-fit in the field, the work shall be performed using tools and equipment specifically designed for cutting the pipe, so as to avoid damage to the pipe and to leave a smooth end. Improperly cut and/or fitted pipe will be rejected and replaced at the Design-Build Entity's expense.

The manufacturer's field representative shall certify the installations observed were satisfactorily completed and all installation crews were familiar with the proper methods and procedures for the pipeline installation.

3.8 Electrical Requirements

3.8.1 Basic Requirements

Design-Build Entity shall design and provide all labor, materials, equipment and incidentals to complete the electrical work. All systems shall be properly grounded. Exterior systems shall have lightning protection.

3.8.2 Codes

Material and equipment shall be installed in accordance with the current standards and recommendations of the National Electrical Code, the National Electrical Safety Code, and with local codes that apply. Where discrepancies arise between codes, the most restrictive regulation shall apply.

3.8.3 Area Classifications

3.8.3.1. Wet Locations: The following areas shall be considered wet locations:

3.8.3.1.1. All outdoor areas.

3.8.3.1.2. All indoor areas below grade unless otherwise specified.

3.8.3.1.3. Materials, equipment and incidentals in areas identified as wet locations shall meet NEC and NEMA requirements for wet locations. Enclosures shall meet NEMA 4 requirements as a minimum. Conduits shall be terminated at enclosures with watertight, threaded hubs.

3.8.3.2. Corrosive Locations

All chemical storage and pumping areas or rooms. Materials, equipment and incidentals in areas identified as corrosive shall meet NEC and NEMA requirements for corrosive locations. Conduit systems shall be PVC and enclosures shall meet NEMA 4X requirements. Conduits shall be terminated at enclosures with watertight hubs. Independent supports shall be 316 stainless steel struts.

3.8.4 Electrical Equipment

All new electrical equipment shall be capable of operating successfully at full-rated load, without failure, with an ambient outside air temperature of 0 degrees F to 122 degrees F and an elevation of 400 feet (MSL). All electrical devices and equipment shall have ratings based on 75 degrees C terminations. All electrical equipment enclosures at a minimum shall meet NEMA 12 requirements.

3.8.5 Schematic Diagrams

Schematic diagrams shall be prepared by the Design-Build Entity to act as guidance in fulfilling the operational intent of the conceptual documents. It shall be the Design-Build Entity's responsibility to meet all safety and electrical codes, and to provide all equipment,

appurtenances and specialty items required to provide for complete and operable systems. Review of control schemes submitted by Design-Build Entity shall not relieve Design-Build Entity of their contractual responsibility to provide complete and successfully operating systems.

Provide updates to the instrumentation loop diagrams for the equipment which has been added and/or modified.

3.8.6 Raceway Systems

Design-Build Entity shall furnish and install conduit and fittings to form complete, coordinated and grounded raceway systems. Electrical cables shall not be exposed. Design-Build Entity shall provide for the proper installation of all conduits for each system.

3.8.6.1. Rigid aluminum conduit for exposed indoor conduit runs in non-corrosive areas.
3.8.6.2. PVC Schedule 80 for individual conduit runs buried in earth.
3.8.6.3. Schedule 40 PVC for conduit runs embedded in or under structural concrete slabs, or in concrete ductbanks (all sites). Ductbanks and concrete slabs shall have red dye on the top to indicate they are for electrical.
3.8.6.4. PVC Schedule 80 conduit for exposed indoor and outdoor runs in corrosive areas.
3.8.6.5. Flexible conduit shall be used only for short connections (no more than two feet in length) to motors and equipment.

3.8.7 Inspections, Testing and Adjustments

Accompany the normal installation tests with inspections to demonstrate to the satisfaction of the required jurisdictional authorities the following:

3.8.7.1. Connections: All circuits are properly connected in accordance with the drawings and applicable approved shop drawings.
3.8.7.2. Operation: All circuits and devices are operable.
3.8.7.3. Identification: All conductors are properly identified at each terminal.

Test each electrical circuit after permanent cables are in place to demonstrate that the circuit and connected equipment perform satisfactorily and that they are free from improper grounds and short circuits. Individually test 600-volt cables for insulation resistance

between phases, and from each phase to ground, for wire size No.6 AWG or larger. Test after cables are installed and before they are put in service with a Megger whose rating is suitable for the tested circuit for wire size No.6 AWG or larger. Tests shall meet with the applicable specifications of ICEA S 66 524 and NEMA WC7 1971. The insulation resistance for any given conductor shall not be less than 1 megohm for 600 volt and less service. Any cable not meeting this value or which fails when tested under full load conditions shall be replaced with a new cable for the full length. Megger testing reports shall be submitted and included in the Technical Manual.

Test shielded instrumentation cable shields with an ohmmeter for continuity along the full length of the cable and for shield continuity to ground. Connect shielded instrumentation cables to a calibrated 4-20 milliamp DC signal transmitter and receiver. Test at 4, 12, and 20 milliamp transmitter settings.

Test the completed ground systems for continuity and for resistance to ground using an electrical ground resistance tester. Ground system resistance must be less than 5 ohms. Add up to two additional rods, spaced at 20 feet minimum from other electrodes, until resistance is less than 5 ohms.

Operate all starters, circuit breakers and associated equipment to demonstrate suitability and compliance with Specifications and reference standards, except for short circuit interrupting rating or other inherent design features covered by shop tests. Test all motors for direction of rotation and reverse connections if necessary. Check control circuits to determine that operation and sequence are correct and adjust limit switches, pressure switches, float switches, timers and other devices to give proper operation.

Each generator provided by the Design-Build Entity shall be tested under normal plant load for 24 hours without failure or shutdown to confirm fuel systems are working as required.

3.9 Instrumentation and Control Requirements

3.9.1. General

Design-Build Entity shall provide all labor, materials, equipment and incidentals as shown, specified and required to furnish, install, calibrate, test, start-up and place in satisfactory operation a complete and operating system for proposed work, including programming of the PLC, SCADA, and all required wire terminations. Tag number,

equipment number, and description shall match the Owners numbering convention standards.

3.9.2. Calibration, Start-Up and Testing

Field verify the calibration and performance of each instrument prior to start-up of the associated equipment, and document on a separate sheet for each.

3.9.3. System Check-Out and Start-Up Responsibilities

Design-Build Entity shall retain the services of a single system-supplier to supervise and/or perform check-out and start-up of all system components. As part of these services, the system supplier shall coordinate and include check-out and start-up for those equipment items not manufactured or provided by him. The services of an authorized manufacturer's representative to check the equipment installation and place the equipment in operation may be required. The manufacturer's representative shall be thoroughly knowledgeable about the installation, operation and maintenance of the equipment.

Check and approve the installation of all instrumentation and control system components and all cable and wiring connections between the various system components prior to placing the various processes and equipment into operation. Conduct a complete system checkout and adjustment, including calibration of all instruments, tuning of control loops, checking operation functions, and testing of final control actions. When there are future operational functions included in this work, they should be included in the system checkout. All problems encountered shall be promptly corrected to prevent any delays in startup of the various unit processes.

System supplier shall provide all test equipment necessary to perform testing during system checkout and start-up. Design-Build Entity and system supplier shall be responsible for initial operation of monitoring and control system and shall make any required changes, adjustment or replacements for operation, monitoring and control of the various processes and equipment necessary to perform the functions intended.

Design-Build Entity shall furnish to the Owner certified calibration reports for field instruments and panel mounted devices specified in this Section as soon as calibration is completed. Design-Build Entity shall furnish Owner an installation inspection report certifying that all equipment has been installed correctly and is operating properly. The

report shall be signed by authorized representatives of both Design-Build Entity and the system supplier.

3.9.4. Instrumentation and Control System Field Test

Following the plant monitoring and control system checkout and initial operation, system supplier, under the supervision of the Design-Build Entity, shall perform a complete system test to verify that all equipment and programmed software is operating properly as a fully integrated system, and that the intended monitoring and control functions are fully implemented and operational. Any defects or problems found during the test shall be corrected by the system supplier, and then retested to demonstrate proper operation. Following demonstration of all system functions, the plant monitoring and control system including field sensors/transducers and instruments, and telemetry system shall be running and fully operational for a continuous 72-hour period.

3.9.5. Control Panels and Enclosures

Control panels located inside control or electrical room areas shall be NEMA 12 rated unless differently noted on drawings. All others shall be stainless steel or non-metallic NEMA 4 except in corrosive areas, which shall be NEMA 4X. Provide panel ventilation or air conditioning if required by ambient conditions. Use pan type construction for doors. Door widths shall not exceed 36-inches. Exterior panel with displays shall face north. Exterior control panels shall be 316 stainless steel with powder coated white epoxy exterior finish.

3.9.6. Surge Protection

Surge protection shall be provided to protect all electronic instrumentation from surges propagating along the signal, telephone, and power supply lines. Locate the suppression device as close as possible to the load device. The protection systems shall be such that the protection level shall not interfere with normal operation, but shall be lower than the instrument surge withstand level, and be maintenance free and self-restoring. Instruments shall be housed in suitable metallic cases, properly grounded. Ground wires for all surge protectors shall be connected to a good, earth ground and where practical, each ground wire run individually and insulated from each other.

PART 4 SUBMITTALS

4.1 Design-Build Entity submittals shall include but not be limited to:

- 4.1.1. Preliminary Design Technical Memorandum
- 4.1.2. Drawings, Specifications and Calculations
  - 4.1.2.1. 60% Design
  - 4.1.2.2. 100% Design
- 4.1.3. Shop Drawings
- 4.1.4. CPM Schedule
  - 4.1.4.1 Baseline Schedule
  - 4.1.4.2 Initial 30-day Plan of Operation
  - 4.1.4.3 Four week Look Ahead Schedules
  - 4.1.4.4 Minimum monthly schedule updates
  - 4.1.4.5 90-days to Completion Schedule
- 4.1.5. Certificate of Proper Installation (COPI)
- 4.1.6. Operations and Maintenance Manuals with electronic files
- 4.1.7. Testing reports (e.g. soil density, concrete, megger)
- 4.1.8. Permits
- 4.1.9. Shutdown Plan (s)
- 4.1.10. Commissioning Plan for startup and testing activities
- 4.1.11. List of spare parts, tools and 90-day operating supplies
- 4.1.12. Closeout Documents
  - 4.1.12.1 Warranties
  - 4.1.12.2 Final payment request
  - 4.1.12.3 Provide Notification to Surety of Completion of Construction
  - 4.1.12.4 Provide Consent of Surety for Final Payment
  - 4.1.12.5 Provide list of firms/persons submitting Notice to Owner
  - 4.1.12.6 Provide Final warranty of Title
  - 4.1.12.7 Provide final payment request with all SBE's paid in full and provide all Schedule 4 documents from each.

ATTACHMENT J

SUPPORTING DOCUMENTS

REVISED 08-25-25

VENDOR QUOTE SUMMARY

WTP 11 Membrane Train Improvements - Phase II
WO-11
GT #120525

Bid Section	Description	Vendor/Contractor	Cost	Note
3- Concrete	Testing Services	Pacifica Engineering Services	$ 3,415.00	Material Testing - SBE (PBC TEAM)
5- Metals	VFD Aluminum Enclosure Walkway	APEX Welding Services, Corp	$ 39,775.00	#1 - Selected Vendor
5- Metals	VFD Aluminum Enclosure Walkway	G&G Industrial	$ -	#2 - No Response via email 10/21/25
5- Metals	VFD Aluminum Enclosure Walkway	Vanlinda	$ -	#3 - No Response via email 10/21/25
11- Equipment	PX-Q260- 3/Train	Energy Recovery	$ 33,062.67	Sole Source - Only Manufacturer that provides pressure exchange energy recovery devices
11- Equipment	Vertical Pumps	Afton Pumps, Inc.	$ 265,980.00	Sole Source - to use the existing pump that is on site.
11- Equipment	Interstage Booster Pumps	Afton Pumps, Inc.	$ 89,796.50	Sole Source - existing feed pumps are Afton and will keep the same manufacturer.
17- I&C	6" Flowmeter Recalibration	Universal Controls	$ 2,400.00	Sole Source - instrumentation/Engineering - Does all of PBCWUD Calibrations
26- Electrical	Booster Pump VFD	Howard Woodrow & Associates	$ 16,076.25	#1 - Selected Vendor
26- Electrical	Booster Pump VFD	Rexel-Rockwell	$ 17,751.30	#2 - Higher Price
26- Electrical	Booster Pump VFD	Rexel-Eaton	$ 21,307.54	#3 - Higher Price
26- Electrical	VFD Enclosure	Coastline	$ 97,727.00	#1 - Selected Vendor
26- Electrical	VFD Enclosure	Fidelity	$ -	#2 - No Response via email 10/22/25
26- Electrical	VFD Enclosure	Phoenix Products	$ -	#3 - No Response via email 10/22/25
26- Electrical	600A Power Panel	Square D/Peninsular	$ 11,760.00	#1 - Selected Vendor
26- Electrical	600A Power Panel	City Electric - Siemens	$ 12,181.78	#2 - Higher Price
26- Electrical	600A Power Panel	World Electric - Siemens	$ 17,628.39	#3 - Higher Price
26- Electrical	I/O Modules-RIO Panel	Allen Bradley/Rexel	$ 39,705.32	Sole Source - Rockwell is sole-sourced by Rexel. Rexel is the only supplier in PBC.
40- Process Interconnections	316SS Sch 40 Piping Mod.	Aerex Industries	$ 193,400.00	#1 - Selected Vendor
40- Process Interconnections	316SS Sch 40 Piping Mod.	Core & Main	$ -	#2- No response via email 10/22/25
40- Process Interconnections	316SS Sch 40 Piping Mod.	McDade Waterworks	$ -	#3 - Could not Provide a price via email 10/15/25
41- Rental Equipment	Safety Program	Total Safety Training & Consultants	$ 34,990.00	Safety Consulting - SBE (PBC TEAM)
100- Engineering	Electrical Engineering	Hillers Electrical Engineering	$ 199,995.94	Electrical Consulting - SBE (PBC TEAM)
100- Engineering	Structural Engineering	Lakdas/Yohalem Engineering, Inc.	$ 25,080.61	Structural Consulting - SBE (PBC TEAM)

GLOBALTECH
A DESIGN BUILD COMPANY

Engineers • Contractors
901 Yamato Rd., Suite 220
Boca Raton, Florida 33431
Phone: (561) 997-6433; Fax: (561) 997-5811
www.globaltechdb.com

October 28, 2025

Jane House, P.E.
Director of Engineering
Palm Beach County Water Utilities Department
8100 Forest Hill Boulevard
West Palm Beach, FL 33413

RE: R2023-0086 Contract for Optimization and Improvements Design-Build
Project No. WUD 25-035
Work Order No. 11
Request to Add Apex Welding Services Corp as a subcontractor

Dear Ms. House,

We request that Apex Welding Services Corp be added as a subcontractor for the above-referenced work authorization.

Apex Welding Services Corp will provide welding services, which were included in this project's original scope of work. We offered a Letter of Intent signed by Apex Welding Services Corp for the approved WUD 25-035 Work Order 11 contract. Therefore, adding this subcontractor increases our SBE participation in this project.

Should you have any questions or comments, please contact me at 561-997-6433. Again, we thank you for your consideration in this matter.

Regards,

Bruce Rahmani, P.E.
Vice President of Construction
Globaltech, Inc.

Cc: Rachael Cloyd/Globaltech

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October 28, 2025

Jane House, P.E.
Director of Engineering
Palm Beach County Water Utilities Department
8100 Forest Hill Boulevard
West Palm Beach, FL 33413

RE: R2023-0086 Contract for Optimization and Improvements Design-Build
Project No. WUD 25-035
Work Order No. 11
Request to Add Universal Controls Instrument Services, Inc. as a subcontractor

Dear Ms. House,

We request that Universal Controls Instrument Services, Inc. be added as a subcontractor for the above-referenced work authorization.

Universal Controls Instrument Services, Inc. will provide instrumentation services, which were included in this project's original scope of work. We offered a Letter of Intent signed by Universal Controls Instrument Services, Inc. for the approved WUD 25-035 Work Order 11 contract. Therefore, adding this subcontractor decreases our SBE participation in this project.

Should you have any questions or comments, please contact me at 561-997-6433. Again, we thank you for your consideration in this matter.

Regards,

Bruce Rahmani, P.E.
Vice President of Construction
Globaltech, Inc.

Cc: Rachael Cloyd/Globaltech

REQUEST FOR SBE SUBSTITUTION/ ADDITION/MODIFICATION/REMOVAL*

INSTRUCTIONS FOR SECTIONS 1 TO 3: PRIME CONTRACTOR COMPLETES ALL SECTIONS AS APPLICABLE AND SUBMITS TO DEPARTMENT PROJECT MANAGER AND OEBO OFFICE FOR APPROVAL.

Section 1: Prime Contractor/Consultant Information

Name of Prime	Contact Person	Phone
Globaltech, Inc.	Rachael Cloyd	(561) 997-6433

Project Name	Bid/Proposal/Project No.	% SBE Participation- original
Water Treatment Plant 11 Membrane Train Improvements - Phase II	25-035	25.42

Original Contract Amount	New Contract Amount	% SBE Participation - new
$ 8,237,323.00	$0.00	

Section 2: SBE Addition, Modification, Substitution or Removal*

Original Subcontractor/Sub consultant	% of Participation
Globaltech, Inc.	0

Contact Person	Phone
Rachael Cloyd	(561) 997-6433

New Subcontractor/ Sub consultant	% of Participation
APEX Welding Services Corp	0.00

Amendment/Change Order/Contingency Amount (if Applicable)	N/A

Section 3: SBE Addition, Modification, Substitution or Removal*

Please attach completed Palm Beach County SBE Subcontractor/consultant's Performance Report and Good Faith Effort Form.*A separate and properly executed Schedule 2 (Letter of Intent) is required to support any changes submitted on this form, when applicable.

Approvals:

Dept. Project Manager	Jeff Greenfield	Signature:	Jeff Greenfield	Date:	11/3/2025
OEBO Representative		Signature:		Date:	

PBC OEBO – Orig. 12/31/2018 |

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

REQUEST FOR SBE SUBSTITUTION/ ADDITION/MODIFICATION/REMOVAL*

INSTRUCTIONS FOR SECTIONS 1 TO 3: PRIME CONTRACTOR COMPLETES ALL SECTIONS AS APPLICABLE AND SUBMITS TO DEPARTMENT PROJECT MANAGER AND OEBO OFFICE FOR APPROVAL.

Section 1: Prime Contractor/Consultant Information

Name of Prime	Contact Person	Phone
Globaltech, Inc.	Rachael Cloyd	(561) 997-6433

Project Name	Bid/Proposal/Project No.	% SBE Participation- original
Water Treatment Plant 1 1 MembraneTrain Improvements - Pha se II	25-035	25.42

Original Contract Amount	New Contract Amount	% SBE Participation - new
$8,237,323.00	$0. 00	

Section 2: SBE Addition, Modification, Substitution or Removal*

Original Subcontractor/Sub consultant	% of Participation
Globaltech, Inc.	0

Contact Person	Phone
Rachael Cloyd	(561) 997-6433

New Subcontractor/ Sub consultant	% of Participation
Universal Controls Instrument Services, Inc.	2.9

Amendment/Change Order/Contingency Amount (If Applicable): N/A

Section 3: SBE Addition, Modification, Substitution or Removal*

Please attach completed Palm Beach County SBE Subcontractor/consultant's Performance Report and Good Faith Effort Form.*A separate and properly executed Schedule 2 (Letter of Intent) is required to support any changes submitted on this form, when applicable.

Approvals:

Dept. Project Manager	Jeff Greenfield	Signature:	Jeff Greenfield	Date:	11/3/2025
OEBO Representative		Signature:		Date:	

PBC OEBO – Orig. 12/31/2018]

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

APEX Welding Services, Corp
5030 NW 109th Ave, Suite H
Sunrise, FL 33351
Phone 954-383-2230
Fax 561-228-1272

#1 Selected Vendor
VFD Walkway

ESTIMATE

DATE: 10/16/2025

To: **Angelica**

901 Yamato Rd

Boca Raton, Florida 33431

O: (561) 997-6433 C: (561) 906-8094

DESCRIPTION	QTY	UNIT PRICE	TOTAL
Fabrication and Installation of Aluminum Platform (9'x19'x3')	1	$39,775.00	$39,775.00
		TOTAL	$39,775.00

THANK YOU FOR YOUR BUSINESS!

#2- No Response
VFD Walkway

Outlook

WTP 11 VDF Enclosure Walkway

From Angelica Torres <ATorres@globaltechdb.com>
Date Tue 10/21/2025 2:44 PM
To Greg Bisogno <gandgindustrial@outlook.com>

2 attachments (8 MB)
20251016_114113.jpg; 20251016_114102.jpg;

Greg,

Could you please provide us with pricing for this small walkway and stairs? The walkway will be about 19'LWx9'W and 3'H, similar structure as the pictures attached.

Thank you,

Angelica Torres

Project Estimator

M: (561) 997-6433 | C: (561) 768-8980 | D: (561) 858 8125

www.globaltechdb.com

901 Yamato Rd., Suite 220, Boca Raton, FL 33431

GLOBALTECH
A DESIGN BUILD COMPANY

Outlook

#3 - No Response
VFD Walkway

WTP 11 VDF Enclosure Walkway

From Angelica Torres <ATorres@globaltechdb.com>
Date Tue 10/21/2025 2:48 PM
To estimating@vanlinda.com <estimating@vanlinda.com>

2 attachments (8 MB)
20251016_114113.jpg; 20251016_114102.jpg;

Good afternoon,

Could you please provide us with pricing for this small walkway and stairs? The walkway will be about 19'LWx9'W and 3'H, similar structure as the pictures attached.

Thank you,

Angelica Torres

Project Estimator

M: (561) 997-6433 | C: (561) 768-8980 | D: (561) 858 8125

www.globaltechdb.com

901 Yamato Rd., Suite 220, Boca Raton, FL 33431

GLOBALTECH
A DESIGN BUILD COMPANY

UNIVERSAL CONTROLS
INSTRUMENT SERVICES, INC.
4925 Cross Bayou Blvd., New Port Richey, FL 34652
Email: Accounting@universalcontrols.net Office: (863) 397-2668

Quote

Date	Quote #
10/17/2025	5603

Name / Address	Ship To
GlobalTech, Inc. 6001 Broken Sound Parkway NW Suite 610 boca Raton, FL 33487	WTP-11 Belle Glade, FL

P.O. No.	Terms	Project
	Net 30	5603 WTP-11 FlowMeter Recalibration

Description	Qty	Cost	Total
Perform Calibrations and Provide NIST Certified Calibration Reports for Each Requested Instrument			
Rosemount 8750 Magmeters	8	300.00	2,400.00
Sales Tax		7.00%	0.00

Approval Signature

Total $2,400.00

Total Safety Training & Consultants, LLC

South Florida Construction Safety Professionals

8259 N. Military Trail Suite 5
Palm Beach Gardens, FL 33014
Phone: (954) 679-9008 Cell: (954) 540-6241

Quotation

DATE 4/29/2025
Quotation # 11669
Customer ID GLBT10393

Quotation For:

Quotation valid until: 5/29/2025

GlobalTech
901 Yamato Rd Suite #220
Boca Raton, FL 33431
(561) 997-6433

Prepared by: Darrylle Hood
Executive Director

Project Information: Project: PBCWUD Plant 11 Train Improvements - Phase II

Category: Safety & Health

PROJECT NUMBER	P.O. NUMBER	START DATE	END DATE	PROJECT DURATION	TERMS
WTP3	N/A	TBD	TBD	365 Days	TBD

QUANTITY	DESCRIPTION	UNIT PRICE	TAXABLE?	AMOUNT
52	Safety & Health Management / Weekly Jobsite Safety Inspections in compliance with OSHA 29 CFR 1926 standards for construction.	$ 625.00	N	$ 32,500.00
1	Site specific safety program in compliance with OSHA 1926 standards.	$ 800.00	N	$ 800.00
10	Employee Safety Training	$ 169.00		$ 1,690.00

SUBTOTAL	$34,990.00
TAX RATE	0.00%
SALES TAX	$ -
OTHER	$ -
TOTAL	$ 34,990.00

Comments or Special Instructions: This quote is based on the estimated job duration and the frequency of requested services.

If you have any questions concerning this quotation, contact: Darrylle Hood, (954) 540-6241, email: thesafetypro@gmail.com.

THANK YOU FOR YOUR BUSINESS!

Revised October 29, 2025
October 17, 2025

Globaltech
901 Yamato Rd., Suite 220
Boca Raton, FL 33431
Phone: (561) 997-6433
Email: ATorres@globaltechdb.com

Attention: Ms. Angelica Torres

Re: Proposal for Construction Materials Testing Services
WTP 11 Membrane Train Improvements – Phase II
PACIFICA Proposal No: 610-120113903

Dear Ms. Torres:

INTRODUCTION

Pacifica Engineering Services, LLC (PACIFICA) is pleased to provide this proposal for ***Construction Materials Testing Services*** for the subject project.

PACIFICA QUALIFICATIONS

PACIFICA is a recognized consulting engineering and testing firm providing integrated services in several disciplines, including geotechnical engineering, construction services, materials engineering and testing, roof and pavement consulting, asbestos management, and facilities consulting and engineering.

PACIFICA has provided similar services for several projects in the Tri-County areas; therefore, we have a very good understanding of the project, the local building department's requirements, as well as understand the critical nature of the inspection and testing requirements for this project.

Our staff includes registered professional engineers with significant construction inspection and testing experience. Our technicians/inspectors are ICC, PTI, CWI, ACI, CTQP trained/certified in their respective disciplines. PACIFICA is licensed in the State of Florida to provide Engineering Services.

PROJECT CONSIDERATIONS

It is our understanding that the proposed project will consist of the installation of four concrete pads. Based on our experience providing our services for similar projects, PACIFICA proposes to provide the following scope of services during construction:

PROPOSED SCOPE OF SERVICES

Estimations for Engineer Technician hours are based on providing our services on a part-time, on-call basis as follows:

Earthwork Testing and Site Preparation:

- Perform laboratory testing of proposed fill soils to determine their suitability, and moisture content versus dry density relationship.
- Provide qualified personnel to perform in-place nuclear density tests and moisture content tests on an "on-call basis" for the foundation excavations, building pad backfill, subbase and base layers beneath the proposed pavement areas, and utility backfill areas.
- *In-Place Nuclear Density tests are included in the Engineering Technician rate.*

Concrete Testing:

- Sample and test concrete and mold compressive strength cylinders on a "part-time basis". Testing of the concrete will include measurement of its slump, air content, and temperature.
- Perform laboratory compressive strength tests on cured concrete cylinders as outlined in the project specifications.

COMPENSATION, PAYMENT AND TERMS

Based on the described scope of services and our experience with similar projects, we have developed a **LUMP SUM COST** of **$3,415.00** for *material testing services.* You will be contacted for authorization should additional services beyond the estimated budget be required to complete the scope of services. Please note that we do not have control over the contractor's construction practices, schedules, or inclement weather. We understand that we will have failed inspections throughout the project, and as such we will not charge any additional fees for failed inspections. If fail inspections become excessive, we will coordinate a meeting with the GC, Subs and Owner to discuss a way forward to minimize the failing inspections.

AUTHORIZATION

If this proposal is acceptable, please sign in the space provided to formalize the agreement. We note that the attached General Conditions are a part of this proposal.

We appreciate the opportunity of submitting this proposal and look forward to working with you on this project. Please contact us by phone 561-693-8093 or email at wesley.foster@pacificaes.com if any questions arise or if we may be of any service in any way.

Respectfully submitted,

Pacifica Engineering Services
Florida Certification of Authorization License No. 32328

Christopher Fernandez, P.E.
Department Manager

Wesley C. Foster, P.E.
Principal Engineer

Attachments: Cost Breakdown
Project Data Sheet
General Conditions

AUTHORIZED BY:	INVOICE TO:
Signature:	**Firm:**
Name:	**Address:**
Title:	
Date:	**Attention:**

LUMP SUM COST BREAKDOWN

	#	UNIT	RATE	TOTAL
I. MATERIAL TESTING SERVICES				
Proctor Test (Modified Methods)	2	Each	$ 95.00	$ 190.00
Engineering Technician (In-place Nuclear Density Tests)	24	Hours	$ 50.00	$ 1,200.00
Compressive Strength of Concrete and Grout	5	Sets	$ 50.00	$ 250.00
Engineering Technician (Concrete and Grout Sampling)	20	Hours	$ 50.00	$ 1,000.00
Project Engineer (P.E.) (Project Management & Report Review)	5	Hours	$ 110.00	$ 550.00
Clerical (Report Preparation)	5	Hours	$ 45.00	$ 225.00
			Sub Total for Material Testing Services	***$ 3,415.00***
TOTAL LUMP SUM FEE				**$ 3,415.00**

Notes:

- Contractor to schedule our services one business day prior by 3pm via email schedule@pacificaes.com.

H E E

HILLERS ELECTRICAL ENGINEERING, INC.

October 30, 2025

Amir Keyvanzad, P.E.
Project Engineer
Globaltech, Inc.
901 Yamato Rd., Ste 220
Boca Raton, Florida 33431

Subject: WUD-25-035 - Palm Beach County WTP No. 11 Membrane Train Improvements Phase II - Design-Build Scope

Dear Amir,

Hillers Electrical Engineering, Inc. (HEE) is pleased to provide Globaltech, Inc. with a proposal for the electrical and instrumentation design, Supervisory Control and Data Acquisition (SCADA) coordination assistance, and engineering services during construction for the above referenced Design-Build project. Our project scope consists of the following:

- Site visit, field data collection, and coordination meetings.
- Technical Memo (Draft and Final), 60%, 90%, and 100% design phase drawings.
- Attend a design review meeting at Tech Memo submittal, 60% submittal, 90% submittal, and respond to comments as well as incorporate them into the construction documents.
- Building department permitting services and incorporate into the construction documents.
- Construction services include shop drawing review, request for information (RFI), field change directives, periodic site visits, field inspections, assist with loop-check, start-up, and testing.
- Provide record drawings.
- Perform coordination study and provide arc flash labels for new and modified switchboard, VFD units, and MCCs, where applicable.
- Coordination with the PBCWUD SCADA group for SCADA screen modification
- Assumptions:
  - PLC programming is excluded from Hiller's scope and Globaltech's software programmer will perform the PLC programming.
  - No specifications for divisions 16 (electrical) and division 13 (Instrumentation and control) will be provided. Instrument manufacturer and model will be listed in the drawings as needed.
  - The existing switchboards in the membrane electrical room will not be required to elevate to meet the PBC ULDC code.
  - There are no up-to-date loop diagrams at this plant, and the I&C contractor will provide new loop diagrams for new signals only.

Below is the list of anticipated drawings:

E-1	Electrical Legend and Notes
E-2	Electrical Site Plan
E-3	Existing Membrane Building - Membrane Room Demolition
E-4	Existing Membrane Building - Electrical Room Demolition
E-5	Demolition Photos
E-6	Existing Switchboard-1 One Line Diagram - Demolition
E-7	Existing Switchboard-2 One Line Diagram - Demolition

23257 State Road 7, Suite 100, Boca Raton, Florida 33428 561-451-9165 Fax: 561-451-4886

E-8	Existing MCC One Line Diagram - Demolition
E-9	Existing Elevation Diagrams
E-10	Modified Switchboard-1 One Line Diagram
E-11	Modified Switchboard-2 One Line Diagram
E-12	Modified MCC One Line Diagram
E-13	Electrical Schematic Diagram- Sheet 1
E-14	Electrical Schematic Diagram- Sheet 2
E-15	Electrical Riser Diagrams - Sheet 1
E-16	Electrical Riser Diagrams - Sheet 2
E-17	Electrical Schedules - Sheet 1
E-18	Electrical Schedules - Sheet 2
E-19	Existing Membrane Building - Electrical Room Layout
E-20	Enlarged Membrane Room - Electrical Plan
E-21	Proposed VFD House Electrical Plan
E-22	Proposed VFD House Grounding Plan
E-23	Electrical Details - Sheet 1
E-24	Electrical Details - Sheet 2
E-25	Electrical Details - Sheet 3
I-1	Instrumentation Legend and Symbols
I-2	Communication Block Diagram
I-3	P&ID - Modified Membrane Unit No.1
I-4	P&ID - Modified Membrane Unit No.2
I-5	P&ID - Modified Membrane Unit No.3
I-6	P&ID - Modified Membrane Unit No.4
I-7	Existing Input-Output List for Main PLC Panel
I-8	Existing Input-Output List for RIO-X Panel
I-9	Existing PLC-X and RIO-X Panel Modification
I-10	Instrumentation Details

Our proposed electrical and instrumentation design, and construction services not-to-exceed fee is $199,995.94.

HEE wishes to thank Globaltech, Inc. for the opportunity to provide this proposal. Please do not hesitate to call me if you have any questions regarding this proposal or any other matter.

Sincerely,

Thein Win, P.E., LEED AP

PBCWUD WTP No. 11 Membrane Train Improvements - Phase II Fee Breakdown (WUD-25-035)									
HILLERS ELECTRICAL ENGINEERING, INC.									
Design-Build Scope Fee Breakdown									
Date: 10/17/2025									
Raw Rate	$84.00	$69.00	$55.00	$52.00	$47.00	$30.00			
Multiplier	2.93	2.93	2.93	2.93	2.93	2.93			
Final Rate	$246.12	$202.17	$161.15	$152.36	$137.71	$87.90			
	Proj. Man.	Prof. Eng.	Programmer	Const. Coord.	CADD/Tech.	Admin. Asst.			TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Expenses	TASK COST	COST
									$112,705.38
Site Visits, Data Collections, Reivew of Record Drawings, etc.		16		16				$5,672.48	
Tech Memo									
Draft and Final Tech Memo	4	36			48	6		$15,400.08	
Tech Memo Meetings and Comments-Responses		6						$1,213.02	
60% Design									
60% Drawings	4	68			84	4		$26,651.28	
60% Review Meetings and Comments-Responses		8						$1,617.36	
90% Design									
90% Drawings	8	72			96	2		$29,921.16	
90% Review Meetings and Comments-Responses		8						$1,617.36	
100% Design									
100% Drawings	6	56			72	2		$22,889.16	
100% Review Meetings and Comments-Responses		8						$1,617.36	
Permitting and Building Department Responses	2	16			16	2		$6,106.12	
Construction Services									$87,290.56
Shop Drawings Review, Design Changes	10	74		64		20		$28,930.82	
Site Visits, Meetings		16		86				$16,337.68	
Start-up, Testing		16		96				$17,861.28	
Record Drawings		12		16	18	1		$7,430.48	
Loop Check and Arc Flash Labels	4	24		18	18			$11,057.82	
SCADA Coordination		16		16				$5,672.48	
Total Hours	38	452		312	352	37			
Sub-Total	$9,352.56	$91,380.84		$47,536.32	$48,473.92	$3,252.30			$199,995.94

LAKDAS / YOHALEM ENGINEERING, INC.
Consulting Engineers EB 0005458
"Zone of Excellence in Engineering" ®
Since 1970

Lakdas Nanayakkara, P.E
C Eng., M.I. Str.Eng (London)

October 21, 2025 **Revised 10-29-25**

Amir Keyvanzed, P.E.
Project Engineer
Globaltech
901 Yamato Rd, Ste 220
Boca Raton, FL 33431

RE: WTP 11 Membrane Improvement Phase II

Dear Amir,

With reference to your email dated October 16, 2025, and our subsequent telephone conversation, Lakdas/Yohalem Engineering, Inc. (LYE) is pleased to offer our structural engineering services for the following scope:

Scope of Work

Lakdas/Yohalem Engineering, Inc. (LYE) shall perform the structural design of four (4) Variable Frequency Drive (VFD) platforms, including all associated access stairs and reinforced concrete pad landings. The scope of work shall include preparation of design drawings, calculations, and details addressing load-bearing framing systems, anchorage, and foundation design in accordance with applicable provisions of the Florida Building Code, ACI, and ASCE standards. All designs shall ensure adequate strength, stability, and serviceability for operational loads and maintenance access. LYE shall coordinate with electrical and mechanical disciplines to confirm equipment support requirements and maintain compliance with all safety and accessibility criteria. Construction, fabrication, or installation of any structural components shall not commence until written design approval has been issued by the Engineer of Record. LYE's responsibility shall be limited to the adequacy of its design.

LYE Services Include the Following

1. **Design Services**
   - 1.1 Review Construction Documents
   - 1.2 Structural Analysis and Design
   - 1.3 Detail Drawings
   - 1.4 Material and Construction Specifications
   - 1.5 Sign and Deal Documents for Building Department

2. **Pre-Construction Phase Services**
   - 2.1 Reply to Building Department Review Comments
   - 2.2 Review Shop Drawings

• 2211 N.E. 54th Street, Ft. Lauderdale, Fl 33308 – (954) 771-0630 – Fax (954) 771-0519
• 580 Village Blvd. Suite 325 West Palm Beach, FL 33409
• 16250 NW 59 Ave, #207A, Miami Lakes, FL 33014
Lye@lyengineering.com

3. **Construction Phase Services**
   3.1 Site Inspections

Our total structural engineering fee for the above scope is $25,080.61
Please provide us with a purchase order so that we can proceed with scheduling the work.
Sincerely,

LAKDAS NANAYAKKARA
Digitally signed by LAKDAS NANAYAKKARA
Date: 2025.10.29 17:00:36 -04'00'
Lakdas Nanayakkara, P.E. 37590

Accepted By: Amir Keyvanzed

10/31/2025
Date

10-29-2025

Structural Engineering Services
Water Treatment Plant 11 Membrane Train Improvement
Phase II

LYE Salary Cost

	Principal		Project Manager		Engineer		Administrative Assistant		Totals	
	Hr. Rate	*$85.02*	*Hr. Rate*	*$54.50*	*Hr. Rate*	*$37.06*	*Hr. Rate*	*$23.98*		
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 1. Design Services										
Task 1.1 - Review Construction Documents	4	$340.08	8	$436.00	8	$296.48	2	$47.96	22	$1,120.52
Task 1.2 - Structural Analysis & Design	5	$425.10	22	$1,199.00	21	$778.26	2	$47.96	50	$2,450.32
Task 1.3 - Detail Drawings	5	$425.10	8	$436.00	34	$1,260.04	1	$23.98	48	$2,145.12
Task 1.4- Material and Construction Specifications	4	$340.08	4	$218.00	20	$741.20	2	$47.96	30	$1,347.24
Task 1.5- Sign & Seal Documents for the Building Department	4	$340.08		$0.00		$0.00	2	$47.96	6	$388.04
Subtotals	**22**	**$1,870.44**	**42**	**$2,289.00**	**83**	**$3,075.98**	**9**	**$215.82**	**156**	**$7,451.24**
Task 2. Pre-Construction Phase										
Task 2.1 - Reply to Building Department Review Comments	1	$85.02	1	$54.50	2	$74.12	0.99	$23.74	4.99	$237.38
Task 2.2 -Review Shop Drawings	1	$85.02	2	$109.00	2	$74.12	0.99	$23.74	5.99	$291.88
Subtotals	**2**	**$170.04**	**3**	**$163.50**	**4**	**$148.24**	**1.98**	**$47.48**	**10.98**	**$529.26**
Task 3. Construction Phase										
Task 3.1 - Site Inspections	0	$0.00	0	$0.00	12	$444.72	2	$47.96	14	$492.68
Subtotals	**0**	**$0.00**	**0**	**$0.00**	**12**	**$444.72**	**2**	**$47.96**	**14**	**$492.68**
Total Fee (Unloaded)		$2,040.48		$2,452.50		$3,668.94		$311.26		**$8,473.18**
Total Fee x (Multiplier 2.96) Loaded		**$6,039.82**		**$7,259.40**		**$10,860.06**		**$921.33**		**$25,080.61**

energy recovery®

#1 Sole Source
PX-Q260-3 Train

1717 Doolittle Drive
San Leandro, CA 94577
Phone: +1 510 483-7370
Fax: +1 510 483-7371
sales@energyrecovery.com
energyrecovery.com

To:	GlobalTech
Tel:	(561) 997-6433
E-Mail	Amir@globaltechdb.com
Attention:	Amir Keyvanzad
From:	Energy Recovery Inc. (ERI)
Subject:	Palm Beach WTP 11
ERI Reference:	JD-250528-069

Date: May 28, 2025

Dear Amir,

Energy Recovery, Inc. is pleased to present this proposal for PX Pressure Exchanger technology equipment for the Palm Beach County WTP 11 project. This quotation is based on information you supplied about the Project which was used in the enclosed Power Model report to estimate the number of PX units required for a single seawater reverse osmosis (SWRO) train. Certain assumptions have been made in development of the Power Model that should be verified, including the high pressure pump and motor efficiencies and membrane differential pressure.

The following documents, attached, are part of this proposal: ERII Terms and Conditions of Sale, Return Material Agreement, Buyer's Operation and Maintenance Responsibilities, and Schedule of Field Service Charges. This proposal expires in thirty (30) days.

If I can be of any further assistance, please do not hesitate to contact me.

Sincerely,

Jason Patrick Deal
Sales Manager, USA
Energy Recovery Inc.

Mobile: +1.941.626.0885
JDeal@energyrecovery.com
www.energyrecovery.com

energy recovery®

COMMERCIAL PROPOSAL

Proposal ref. number: JD-250528-069

Price Listings					
Product	**# Units / Train**	**# RO trains**	**Discounted Unit Price**	**Total Qty of Units**	**Total Discounted Price**
PX Assembly Model					
PX-Q260	2	1	$33,062.67	2	$66,125.34
Booster Pump Model					
~~VPXP-100X178, VP-PUMP, 45KW, 460V, 60HZ, 2205~~	~~1~~	~~1~~	~~$41,882.85~~	~~1~~	~~$41,882.85~~
					Discount Price
~~Total Price in US DOLLAR, FCA-FACTORY~~					~~$108,008.19~~

Delivery Time: (Lead Time starts counting upon the receipt of Signed Order Acknowledgement.)

Pressure Exchanger: 5-8 weeks FCA factory (California, USA)

VPXP Pump: 14-18 weeks FCA factory (Germany)

afton pumps, inc.
HOUSTON, TEXAS, USA

7335 Avenue N.
Houston, TX 77011
P. (713) 923-9731
F. (713) 923-3902
www.aftonpumps.com

October 20, 2025

Project: Palm Beach County

Afton Quotation No. RS-25-1153-RT Rev 0

Thank you for considering our proposal. Following you will find our scope of supply. We welcome the opportunity to discuss it further and address any questions or concerns you may have. Please feel free to contact me at 713-923-9731 or rolandt@aftonpumps.com

Prices valid: 30 days
Freight: PP&A
Payment terms: Progress for Orders over 150K

15% Contract execution
25% commencement of manufacturing confirmed by release documentation
30% receipt of Motors
25% readiness to ship
5% Start up of pumps -not to exceed 6 months

Delivery 34-36 weeks after approval drawings

We look forward to the possibility of collaborating with you on this project and contributing to its success.

Regards,

Roland Torres
Sales Manager-Water Market
713-923-9731

afton pumps, inc.
HOUSTON, TEXAS, USA

7335 Avenue N.
Houston, TX 77011
P. (713) 923-9731
F. (713) 923-3902
www.aftonpumps.com

October 20, 2025

Scope of Supply

Project Name: Palm Beach County

Afton Quotation No. RS-25-1153-RT Rev 0

==========

Item # TBD-

Can Pump -1321 gpm at 1205 Ft

Afton 10 x 14 x 11 - 6 stage Model MPV –

Materials will be fabricated 316LSS head with 10"-600# discharge and 14" -150 suction, CF3M bowls, impellers, impeller wear rings, and Nitronic 50 shafting. Bowl wear rings and bearings will be carbon.

Pump column -316L

Mechanical seal will be John Crane type 8B1 seal with 316 SS gland, sleeve and drive collar.

Nickle Plated spacer coupling

Motor will be 500 HP 3600 RPM WPII 3/60/460

Pump Barrel will be 24" -316Lss **existing** not being supplied

Bowls, Discharge head, and column will be pickle and passivated -

Total Each Pump $265,980.00

Notes

Pump Price include the following;

- Freight to site
- Torsional and Lateral Analysis
- Critical Frequency Analysis
- Non witness performance testing
- Engineering Data Submittals and O&M Manuals
- Startup service -3 days

Pump Data Sheet - Afton Pumps

Company:
Name:
Date: 10/19/2025

afton pumps inc.

Pump:

Size:	11AJCL (stages: 6)	Dimensions:	
Type:	MPV - GSV	Suction:	---
Synch Speed:	3600 rpm	Discharge:	---
Dia:	7.6875 in	Vertical Turbine:	
Case Pat:	07-439-532	Eye Area:	23 in²
Impeller Pat:	07-457-384	Bowl Size:	11.5 in
Specific Speeds:	Ns: 2573	Max Lateral:	0.438 in
	Nss: 9943	Thrust K Factor:	7.6 lb/ft

Search Criteria:

Flow:	1321 US gpm	Near Miss:	---
Head:	1205 ft	Static Head:	0 ft

Fluid:

Name:	Water		
SG:	1	Vapor Pressure:	0.256 psi a
Density:	62.4 lb/ft³	Atm Pressure:	14.7 psi a
Viscosity:	1.1 cP		
Temperature:	60 °F	Margin Ratio:	1

Pump Limits:

Temperature:	---	Sphere Size:	0.875 in
Wkg Pressure:	994 psi g		

Motor:

Consult Afton Pumps to select a motor for this pump.

Pump Selection Warnings:

None

— Duty Point —

Flow:	1321 US gpm
Head:	1205 ft
Eff:	82.1%
Power:	488 hp
NPSHr:	28.1 ft
Speed:	3550 rpm

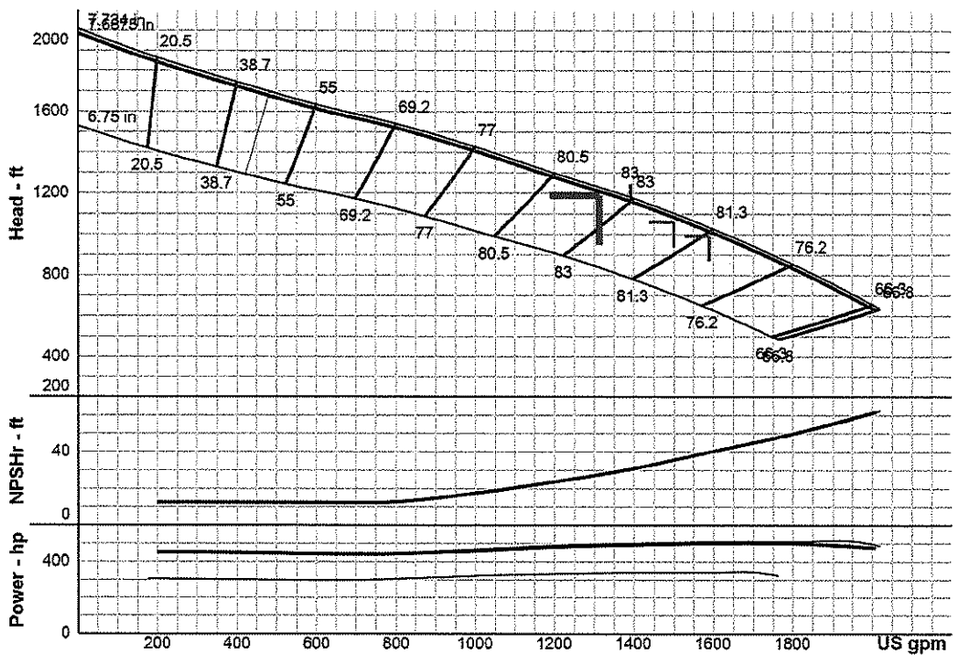
— Design Curve —

Shutoff Head:	1987 ft
Shutoff dP:	860 psi
Min Flow:	480 US gpm

BEP: 83% @ 1392 US gpm
NOL Power:
498 hp @ 1590 US gpm

— Max Curve —

Max Power:
510 hp @ 1600 US gpm

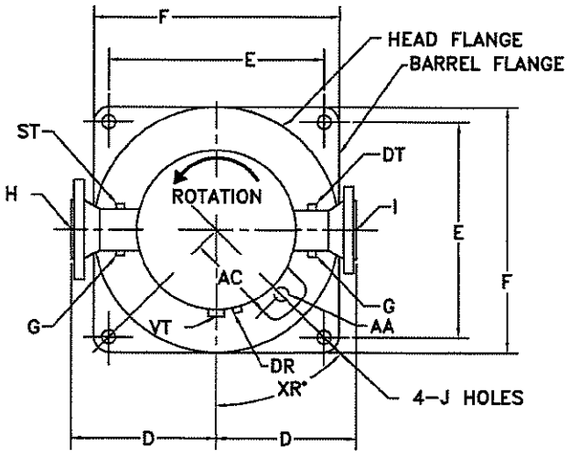


The performance, pressure rating and maximum brake horsepower are based on a standard size shaft using 416 SS material with ductile Iron bowls.

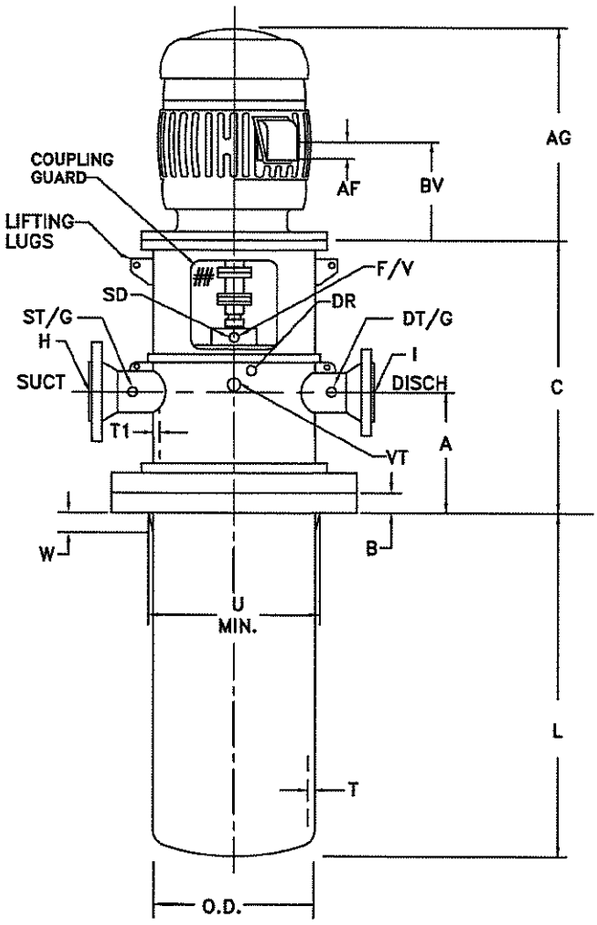
Operating Points:

Data Point	Speed	Flow	Head	NPSHr	Efficiency	Power	Min Flow
	rpm	US gpm	ft	ft	%	hp	US gpm
Primary	3550	1321	1205	28.1	82.1	488	480
1	3550	1510	1074	36.2	82	498	480
2	3550	1590	1005	40.6	81	498	480

Selected from catalog: Afton Pumps.60, Vers 1.1



TOP VIEW



Pump barrel is existing

NOT CERTIFIED		
BY *RT*		
DATE 10/20/2025		
REV.	BY:	DATE:
REV.	BY:	DATE:
REV.	BY:	DATE:

CUSTOMER DATA	
CUSTOMER	PALM BEACH COUNTY/POOLE & KENT CO.
P.O. NO.	
ITEM NO.	MFP-1,-2,-3,-4
SERVICE	MEMBRANE FEED PUMPS

DESIGN CONDITIONS			
GPM	1321	VISC.	-
TDH	1205 FT.	SUCT. PSIG	
TEMP	80°F	DISCH. PSIG	521.64
SP. GR.	1.0		
SWP SUCTION	230 PSIG @ 100 °F		
SWP DISCHARGE	1300 PSIG @ 100 °F		

MOTOR DATA			
MFG.	US MOTORS	RPM	1780
H.P.	500	VOLTS	460
FRAME	5008VP	PH/CY	3/60
ENCL.	WPII	WT.	3650#
S.F.	1.15(1.0 VFD)	AG	63.84"
AA	(2) 3-1/2"NPT	BV	27.00"
AC	27.88"	XR°	0°
AF	10.94"		
SPACE HEATER: 115V,384W			
SEE MOTOR DATA FOR COMPLETE DETAILS			

PUMP DATA			
SERIAL NO. 45183-1,2,3,4			
MODEL	MPV	SIZE	10x14x11
NO. STGS.	6	PUMP WT. LESS BRL.	3100#
O.D.	24"	BARREL WT.	1675#
A	17-3/8"	J	1-1/4" DIA.
B	1-7/8"	L	118-1/8"
C	53-7/8"	T	0.250"
D	20"	T1	0.375"
E	29"	U	24-3/4"
F	32"	W	1-3/4"
H 14"-150# RF WN ANSI SUCTION FLANGE *			
I 10"-600# RF WN ANSI DISCHARGE FLANGE *			

* BOLT HOLES TO STRADDLE ℄

CONNECTIONS		NPT	SIDE
ST	SUCTION TAP	1/2"	FAR
DR	DRAIN	1/2"	NEAR
F\V	PRIMARY SEAL FLUSH\VENT	1/2"	FAR
SD	SEAL DRAIN	1/2"	NEAR
DT	DISCHARGE TAP	1/2"	FAR
VT	VENT	1"	NEAR
G	GAUGE TAP (2)	1/2"	NEAR

API-610 SEAL FLUSH PLANS 13 W/SS TUBING, SEE DRAWING FPM-45183 F/DETAILS.

afton pumps, inc.

MPV OUTLINE

DRWN: *CR*	DATE:01/16/06	MPV-13

DWG. NOT TO SCALE.	DWG. NO.: OLM-45183

#1 Selected Vendor - Sole Source
Interstage Booster Pump

afton pumps, inc.
HOUSTON, TEXAS, USA

7335 Avenue N.
Houston, TX 77011
P. (713) 923-9731
F. (713) 923-3902
www.aftonpumps.com

October 9, 2025

Project: Palm Beach County

Afton Quotation No. RS-25-1153-RT Rev 0

Thank you for considering our proposal. Following you will find our scope of supply. We welcome the opportunity to discuss it further and address any questions or concerns you may have. Please feel free to contact me at 713-923-9731 or rolandt@aftonpumps.com

Prices valid: 30 days
Freight: Allowed
Payment terms: Progress for Orders over 150K

Delivery 32-34 weeks after approval drawings

We look forward to the possibility of collaborating with you on this project and contributing to its success.

Regards,

Roland Torres
Sales Manager-
Municipal and Industrial RO Pumps
713-923-9731

afton pumps, inc.

7335 Avenue N., Houston, Texas 77001-1709
P. O. Box 9426, Houston, Texas 77261-9426
713.923.9731
FAX 713.923.3902
E-mail: rolandt@aftonpumps.com

October 9, 2025

Scope of Supply -Phase 2

Customer: Globaltech
Job No:
Project Name: WTP 11 Membrane Train Improvements - Phase II

Afton Quotation No. RS-25-1153-RT

==========

Item # P-XXX

Afton Model ILVS 4 x 6-9H

- Type OH4 vertical inline
- Steel rigid split coupling -electroplated
- Duplex 2205 case and cover
- Duplex 2205 impeller
- Carbon bushings
- Duplex ss shaft
- John Crane single seal
- Flush plan 11 or 13 - 316ss tube
- 75 HP 3600 RPM TEFC 3/60/460

Price 4 Pumps Each: $87,904.00 x 4

Spare seal and gasket $7,570.00 each

==========

Notes

1. Non witness hydro test case and cover
2. Non witness performance test
3. Freight to site
4. Start up 3 day

DELIVERY 32-34 weeks after submittal approval

Pump Data Sheet - Afton Pumps

Company:
Name:
Date: 10/08/2025

afton pumps inc.

Pump:

Size:	4x6 - 9H	Dimensions:	
Type:	ILVS	Suction:	6 in
Synch Speed:	3600 rpm	Discharge:	4 in
Dia:	8.25 in		
Case Pat:	07-001-127		
Impeller Pat:	07-003-066		
Specific Speeds:	Ns: 1679		
	Nss: 14306		

Search Criteria:

Flow:	918 US gpm	Near Miss:	---
Head:	219 ft	Static Head:	0 ft

Fluid:

Name:	Water		
SG:	1	Vapor Pressure:	0.256 psi a
Density:	62.4 lb/ft³	Atm Pressure:	14.7 psi a
Viscosity:	1.1 cP		
Temperature:	60 °F	Margin Ratio:	1

Pump Limits:

Temperature:	500 °F	Sphere Size:	---
Wkg Pressure:	740 psi g		

Motor:

Standard:	NEMA	Size:	75 hp
Enclosure:	TEFC LP	Speed:	3600 rpm
Frame:	365LP		
Sizing Criteria:	Max Power on Design Curve		

Pump Selection Warnings:

None

— Duty Point —

Flow:	918 US gpm
Head:	219 ft
Eff:	77.2%
Power:	65.8 hp
NPSHr:	14.5 ft
Speed:	3549 rpm

— Design Curve —

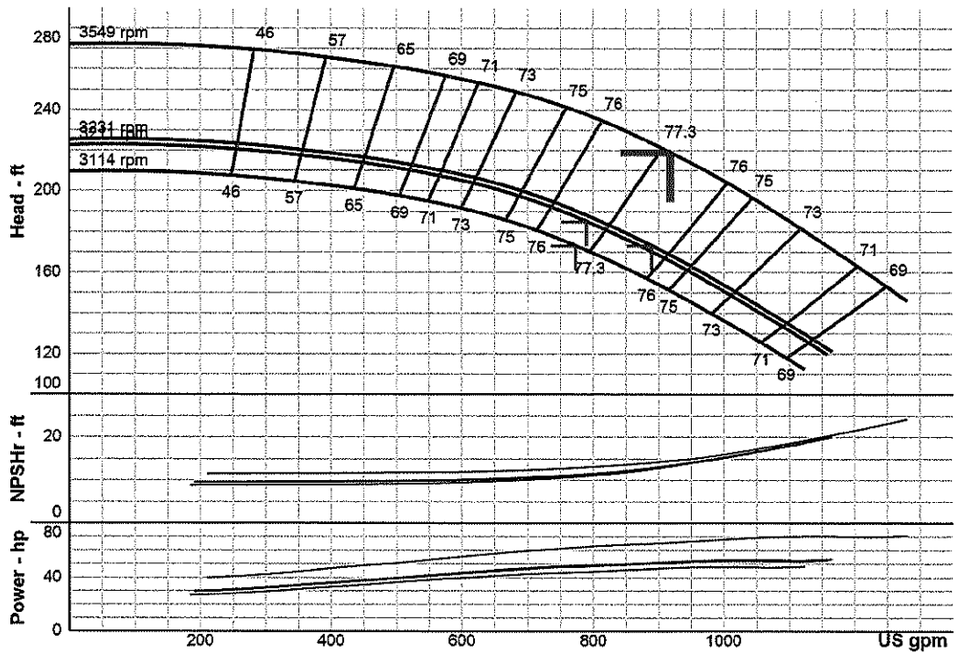
Shutoff Head:	272 ft
Shutoff dP:	118 psi
Min Flow:	199 US gpm

BEP: 77.3% @ 907 US gpm

NOL Power:
70.9 hp @ 1281 US gpm

— Max Curve —

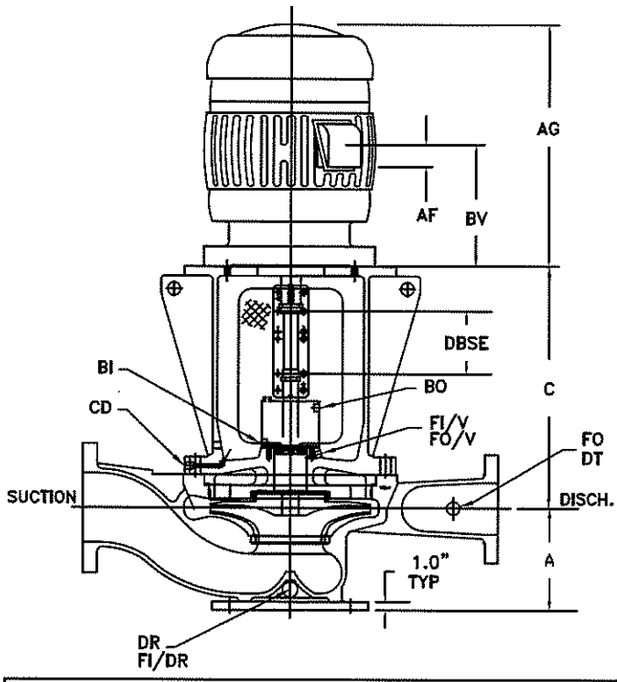
Max Power:
103 hp @ 1399 US gpm

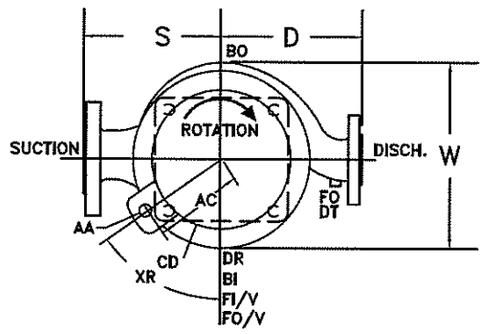


Operating Points:

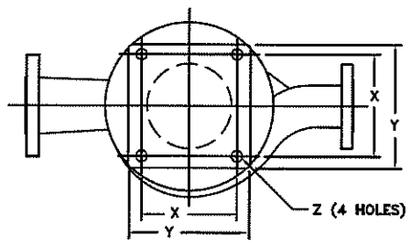
Data Point	Speed	Flow	Head	NPSHr	Efficiency	Power	Min Flow
	rpm	US gpm	ft	ft	%	hp	US gpm
Primary	3549	918	219	14.5	77.2	65.8	199
1	3114	774	173	10.8	77	43.9	175
2	3231	890	173	13	76.4	50.9	182
3	3211	790	185	11.4	76.9	48	180

Selected from catalog: Afton Pumps.60, Vers 1.1





TOP VIEW



BOTTOM VIEW

	ALL DIMENSIONS ARE IN INCHES									NEAREST	PUMP	DBSE ③	
	① SIZE	A	C	D	S	X	Y	Z	W	OBSTR.	WEIGHT	4-1/2	2-3/4
	4x6-7	9-3/8	25-1/4	13	16	13	15	1	14-1/8	5	425	6-3/4	8-1/2
X	4x6-9	8-1/2	24-11/16	14	16	13	15	1	15-3/8	5	550	6-3/4	8-1/2
	4x6-11	9-1/4	25-11/16	13-1/2	14-1/2	13	15	1	15-1/2	5-3/4	625	6-3/4	8-1/2
	4x6-13	8-3/4	26-7/8	15	16-1/2	13	15	1	19-1/8	5-3/4	825	7-1/4	9
	4x6-18	9-3/4	27-11/16	19-1/2	21	13	15	1	26	6-1/4	1200	8-1/4	8-1/2

① DISCHARGE SIZE 'X' SUCTION SIZE '–' IMPELLER DIAMETER
② BOLT HOLES TO STRADDLE C
③ DBSE (DISTANCE BETWEEN SHAFT ENDS) = MAXIMUM SEAL REMOVAL LENGTH

API PLAN*			PIPING CONNECTIONS	NPT	SIDE
14	11	13			
FI/DR	DR	FI/DR	FLUSH OUT/CASE DRAIN	1/2"	NEAR
FI/FO/V	FI/V	FO/V	SEAL FLUSH IN/VENT	1/2"	NEAR
FO	FO	DT	FLUSH OUT/DISCHARGE TAP	1/2"	NEAR
CD	CD	CD	COVER DRAIN	1/2"	NEAR/FAR
D	D	D	SEAL DRAIN (WHEN REQ'D)*	1/2"	NEAR
Q	Q	Q	SEAL QUENCH (WHEN REQ'D)**	1/2"	FAR
API PLAN 52					
BI	BI	BI	BARRIER FLUID IN	1/2"	NEAR
BO	BO	BO	BARRIER FLUID OUT	1/2"	FAR

* TYPICAL – SINGLE SEAL AND CARTRIDGE CONNECTIONS WILL BE IN GLAND
** TYPICAL – WHEN REQUIRED CONNECTIONS ARE IN GLAND

CERTIFIED FOR CONSTRUCTION		YES	NO
BY:		DATE:	
REV.:	BY:	DATE:	
REV.:	BY:	DATE:	

NOT CERTIFIED FOR CONSTRUCTION UNLESS SIGNED & DATED

MEETS INTENT OF API 610 11TH EDITION
DRAWING NOT TO SCALE
TOLERANCE–ALL DIM.=+/– 1/8"

CUSTOMER DATA	
CUSTOMER:	
P.O. NO.:	ITEM NO.:
SERVICE:	SIZE:
SERIAL NO.:	

DESIGN CONDITIONS

GPM:	TDH:	VISC.:
SP. GR.:	TEMP: 351651	
SUCT. PSIG:	DISCH. PSIG:	SWP. PSIG:
_____DISCH FLG–300LB ANSI RF		_____ SUCT FLG–300LB ANSI RF
BOLT HOLES STRADDLE ℄		

MOTOR DATA

MFG.:		
H.P.:	RPM:	
FRAME:	VOLTS:	PH/CY:
ENCL.:	S.F.:	WT.:
AA:	AC:	AF:
AG:	BV:	XR':

afton pumps, inc.
ILVS–E OUTLINE FOR 300# RF

DRWN:	DATE:

Hope you are doing well. Can we go with 3 PX-Q260 units for the 14,000 mg/l TDS? Please see the attached projection, which I prepared using your online tool, and confirm. In that case, we can use two units for scenarios up to 12,000 mg/l TDS and add the third one when we approach 14,000 mg/l TDS.

Also, do you have any updates on the booster pump

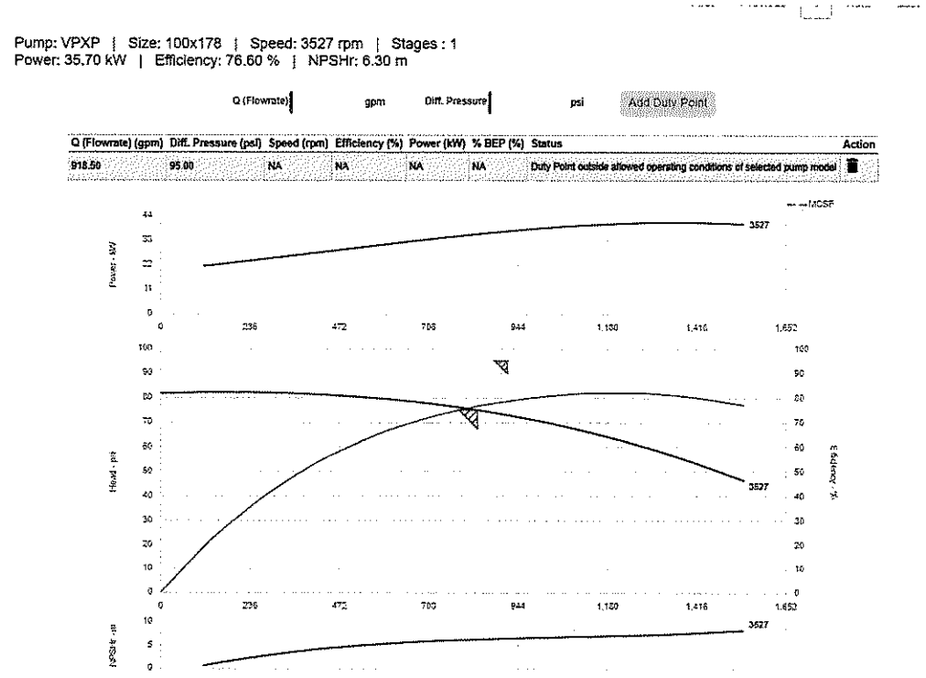
Regards
Amir Keyvanzad, P.E.
Project Engineer

From: Jason Patrick Deal <JDeal@energyrecovery.com>
Sent: Thursday, October 2, 2025 4:20 PM
To: Amir Keyvanzad <Amir@globaltechdb.com>
Cc: Connor King <CKing@globaltechdb.com>; Rolando Bosleman <rbosleman@energyrecovery.com>
Subject: RE: PX System Projection - Concentrate Pressure

Amir,

See attached PX projection based on the latest membrane projections.

At the new design point, 918.5gpm and 95psi boost, the selected VPXP 100x178 will not work. Max boost available at the new interstage flow would be 73psi.



Jason P. Deal
Sales Manager, North America
+1.941.626.0885 Mobile

From: Amir Keyvanzad <Amir@globaltechdb.com>
Sent: Monday, September 29, 2025 4:12 PM
To: Jason Patrick Deal <JDeal@energyrecovery.com>
Cc: Connor King <CKing@globaltechdb.com>; Rolando Bosleman <rbosleman@energyrecovery.com>
Subject: RE: PX System Projection - Concentrate Pressure

Thanks Jason, I think the best option would be to lower the recovery to have the 200 gpm for the PX-300.

Also, could you please run the simulation for the attached projection? For both the PX and the booster pump at 918 gpm with a 100 PSI boost.

Regards

Amir Keyvanzad, PE
Project Engineer

O: (561) 997-6433 | C: (617) 860-9089 | D: (561) 858-8130
www.globaltechdb.com
901 Yamato Rd., Ste. 220, Boca Raton, FL 33431

GLOBALTECH
A DESIGN BUILD COMPANY

From: Jason Patrick Deal <JDeal@energyrecovery.com>
Sent: Monday, September 29, 2025 10:29 AM
To: Amir Keyvanzad <Amir@globaltechdb.com>
Cc: Connor King <CKing@globaltechdb.com>; Rolando Bosleman <rbosleman@energyrecovery.com>
Subject: RE: PX System Projection - Concentrate Pressure

Amir,

I received the following feedback from my technical team:

That would not be easy at all. It will imply a total manifold change.

Howard Woodrow & Associates, Inc.

2903 Serenity Circle S
Fort Pierce, FL 34981
772-461-6227

#1 Selected Vendor
Booster Pump VFD

Price Quote

DATE	QUOTE #
10/6/2025	6657

NAME/ ADDRESS
Globaltech, Inc. Attention: Marco Camero 901 Yamato Rd., Ste. 220 Boca Raton, FL

TERMS	FOB	PROJECT
Net 30		PBC WTP 11 Phase 2 10-6-...

DESCRIPTION	QT	PER UNIT	TOTAL
Eaton VFD: DG1 Series, 75HP, 480V, 105A with 5% DC Link Choke, EMI/RFI Filter mounted in a NEMA 12 Enclosure. DV/DT Output Filter, Harmonic filter to meet IEEE519, HOA Switch, Pilot Light, and Surge Arrester. Frame 4: 82.85"H x 30.92"W x 24.03"D. Wt: 1000 lbs.	4	15,276.25	61,105.00T
Shipping & Handling: Prepay and Add. Estimated at $1200	1	1,200.00	1,200.00
Start Up and Training. Increases warranty to 3 years	1	2,000.00	2,000.00

Subtotal	$64,305.00
Sales Tax (6.0%)	$3,666.30
TOTAL	$67,971.30

FOB Factory.

Description:
PBC WTP # 11 75 HP VFD - Rockwell

#2 - Price Higher
Booster Pump VFD

Quote #2774834
Updated On: 10/06/2025

Company Name:
GLOBALTECH INC

Billing Address:
GLOBALTECH INC (470990)
901 W YAMATO RD STE 220
BOCA RATON, FL 33431-4497

Created Date:
10/6/25

Shipping Address:
901 W YAMATO RD STE 220
BOCA RATON, FL 33431-4497 US

Shipping Method:
Store Truck

FOB:
Destination

Sales Person:
Edward Arndt
Edward.Arndt@RexelUSA.com

Branch:
Orlando - DC #1586
4078505400

Terms:
PROX.25TH

	PRODUCTS	QTY	UNT PR / UOM	TOTALS
1.	 **20F1AGD096JN0NNNNN** | Item# 1249703 POWERFLEX 753 AC PACKAGED DRIVE **MFR:** Allen-Bradley	4	$16,484.25[173] EA	$65,937.01
2.	 **20-750-ENETR** | Item# 446929 Communications Module, Dual-Port, Ethernet/IP Option **MFR:** Allen-Bradley	4	$845.67[296] EA	$3,382.69
3.	 **20-HIM-C6S** | Item# 44914 Module, Communications, HIM, Enchanced LCD, Full Numeric Keypad **MFR:** Allen-Bradley	4	$421.38[272] EA	$1,685.53

Entire Quote:

Sub Total:	$71,005.23
S/H:	Not Included
Tax:	Not Included
Total:	$71,005.23

Prices are subject to change at any time prior to shipment unless agreed to otherwise in writing signed by an authorized Seller representative. Orders related to this quotation must be received, accepted and released by Seller within 48 hours of issuance of the quotation and are subject to availability. Seller reserves the right to pass through any changes in delivery date, price, scope and quantity of supply arising from actions of Seller's manufacturing partners or vendors and/or resulting from any Force Majeure event including any imposition of new or additional tariffs that occurs after the issuance of the quotation. Delivery dates are estimated only. Seller shall not be liable for failure to meet such dates resulting from product shortages or manufacturing delays. Be advised that Seller considers any changes imposed by its manufacturing partners and other vendors or government agencies outside of Seller's reasonable control and therefore subject to Force Majeure provisions or similar common law doctrines such as "frustration" or "impossibility".

REXEL

Description:
PBC WTP # 11 75 HP VFD Eaton

#3 - Priced Higher Booster Pump VFD

Quote #2775106
Updated On: 10/06/2025

Company Name:
GLOBALTECH INC

Billing Address:
GLOBALTECH INC (470990)
901 W YAMATO RD STE 220
BOCA RATON, FL 33431-4497

Created Date:
10/6/25

Shipping Address:
901 W YAMATO RD STE 220
BOCA RATON, FL 33431-4497 US

Shipping Method:
Store Truck

FOB:
Destination

Sales Person:
Edward Arndt
Edward.Arndt@RexelUSA.com

Branch:
Orlando - DC #1586
4078505400

Terms:
PROX.25TH

	PRODUCTS	QTY	UNT PR / UOM	TOTALS
1.	**SVX075A2-4A1N2**	4	$21,307.54[000] EA	$85,230.16
	SVX9000 75HP 480V N12 ALFA w/Conf Coat with HIM By: Eaton			

Entire Quote:

Sub Total:	$85,230.16
S/H:	Not Included
Tax:	Not Included
Total:	$85,230.16

Prices are subject to change at any time prior to shipment unless agreed to otherwise in writing signed by an authorized Seller representative. Orders related to this quotation must be received, accepted and released by Seller within 48 hours of issuance of the quotation and are subject to availability. Seller reserves the right to pass through any changes in delivery date, price, scope and quantity of supply arising from actions of Seller's manufacturing partners or vendors and/or resulting from any Force Majeure event including any imposition of new or additional tariffs that occurs after the issuance of the quotation. Delivery dates are estimated only. Seller shall not be liable for failure to meet such dates resulting from product shortages or manufacturing delays. Be advised that Seller considers any changes imposed by its manufacturing partners and other vendors or government agencies outside of Seller's reasonable control and therefore subject to Force Majeure provisions or similar common law doctrines such as "frustration" or "impossibility".

Seller's Standard Terms and Conditions of Sale are incorporated by reference into this quotation. A copy of the most current version of Seller's Standard Terms and Conditions of Sale is available at https://www.rexelusainc.com/terms/terms.html

Full phone support at (888) 739-3577

Delivery dates are estimated only. Seller shall not be liable for failure to meet such dates resulting from product shortages or manufacturing delays.

#1 Selected Vendor
VFD Enclosure

COASTLINE
POWER SOLUTIONS

Coastline Power Solutions | 1965 Bennett Drive, DeLand, FL 32724 | P: 386.469.0070 | coastlinepowersolutions.com

PHONE NUMBER: 786-512-2626

Globaltech

Attn: Marco Camero

QUOTE NUMBER: 25100102

QUOTE DATE: October 16, 2025

SALESPERSON: Jim Dealing

JOB NAME: VFD Enclosure

ESTIMATED DELIVERY: To be Negotiated at Time of Release (est. 45-48 weeks)

QUOTE VALID FOR: 30 Days

QTY.	DESCRIPTION	TOTAL
1	**Enclosure and Base Frame for (5) VFD's (31" W x 25" D x 83" H)**	**Net Each, FOB DeLand, FL:**

Coastline Power Solutions to Provide the Following:

Weather Resistant, Level 2 Sound Attenuated, Aluminum, Walk-in Enclosure: **$ 97,727.00**

- Approximate dimensions: 216" L x 96" W x 96" H (estimated weight: 3,400lbs).
- Enclosure Exterior to be of .080",3003-H14 Aluminum, Formed, Panel Construction, Pre-Painted Finish (Standard Color White).
- 3" Sound Attenuating Fire Blanket in Walls, Doors and Ceilings. Insulation Retained with .050" Perforated Aluminum. Enclosure is Designed to Reduce Source SPL by 15 dB (A) @ 7M in a Free-Field Environment.
- (3) Single, Access Doors with Padlocking Provisions, Panic Release and Corrosion Resistant Hardware.
- (2) Double, Access Doors with Padlocking Provisions, Panic Release and Corrosion Resistant Hardware.
- Enclosure External Fasteners to be Stainless Steel.
- Cambered Roof Design to aid in Water Shedding.
- Enclosure Suitable for 186 Ultimate MPH Wind Loading (PE Certificates are Available at an Additional Charge).
- Enclosure to Bear the Insignia of the Florida Department of Business and Professional Regulation to Document Compliance with the 2023 8th Edition Florida Building Code.

Generator Enclosure Electrical Package: **Included**

- Coastline to Provide, Install and Wire:
  - (1) 3-Ton Bard AC Unit with External Disconnect Switch and GFCI (startup not included).
  - (1) 120/208V 3 Phase MCB (100A main breaker) Panel Board with Bolt-on Branch Circuit Breakers.
  - (3) 48" LED Light Fixtures with (2) Switches Located by Entrance Doors.
  - (2) 20A, 125V Duplex GFCI Receptacle Located by Entrance Doors.
  - (2) Dual Head Emergency Light Fixtures with Battery Back Up Located by Access Doors.
- All Electrical to be Run in EMT or LFMC to meet NFPA 70.

Unitizing Structural Steel Base Frame: **Included**

- Approximate Dimensions: 216" L x 96" W x 10" H
- Cable Stub Up Opening Under Circuit Breaker.
- 2 Lifting Points per Side (4 Total) for Lifting VFD's, Enclosure and Base.
- Frame Primed with Two Part Epoxy Zinc Based Primer and Two-Part Polyester/Polyurethane Topcoat - Gloss Black.

By **Eric Jones**

System Integration (Upfit at CPS Facility): **Included**

- Provide for Ship Loose 4" x ¼" Neoprene Padding for Installation Between Base Frame and Pad
- Load Unit onto *Customer Provided* Trucks for Shipment.

NOTES/CLARIFICATIONS/EXCEPTIONS:

1) Only Items Listed Will be Provided.
2) Quote Based on Customer E-Mail Request Received on 10/16/2025 Only.
3) No Plans have been Reviewed.
4) 1-Year Standard Warranty is Included.
5) Installation and Field Testing are by Others.
6) Coastline's Customer General Terms and Conditions otherwise apply, which can be downloaded at https://www.coastlinepowersolutions.com/resources-terms-and-conditions and are incorporated herein by reference.

General Terms and Conditions

1. Applicability. These terms and conditions of sale (these **"Terms"**) are the only terms which govern the sale of the goods (**"Goods"**) and services (**"Services"**) by Deland Genco Acquisition Company, Inc., a Florida corporation d.b.a. Coastline Power Solutions (**"Seller"**), to the buyer (**"Buyer"**) named on the quotation, purchase order confirmation, invoice, or other Seller document, as applicable, accompanying or referencing these Terms (the **"Sales Confirmation"**). The Sales Confirmation and these Terms (collectively, this **"Agreement"**) comprise the entire agreement between the parties, and supersede all prior or contemporaneous understandings, agreements, negotiations, representations and warranties, and communications, both written and oral. These Terms shall prevail over any of Buyer's general terms and conditions of purchase regardless whether or when Buyer has submitted its purchase order or such terms. For the avoidance of doubt, Seller's failure to object to Buyer's terms and conditions of purchase, shall not be deemed a waiver of the provisions herein, and fulfillment of Buyer's purchase order shall not constitute acceptance of any of Buyer's terms and conditions and does not serve to modify or amend these Terms.

2. Order Acceptance. Any purchase order issued by Buyer to Seller shall not be accepted by Seller until Seller provides Buyer written confirmation that such purchase order has been approved, regardless of whether or not such purchase order references a quotation previously issued by Seller. Once Seller provides Buyer the purchase order confirmation, Seller will endeavor to provide to Buyer submittal drawings within approximately two (2) to four (4) weeks, which timing may vary depending on the requirements and complexity of the order. Buyer must then review and approve the submittal drawings. Given Seller's existing production backlog, as well as constraints on materials availability and warehouse space, Buyer is aware that there may be a significant delay before Seller is able to begin the material procurement process and production of the Goods. Accordingly, Buyer acknowledges and understands that while Seller has attempted to be proactive in creation of its quotation, all quoted prices and lead times are subject to change by Seller due to potential changes in material costs, materials purchase lead times, Seller's manufacturing schedule and burden, etc., that may occur prior to material procurement and production of the Goods.

3. Delivery.

(a) Seller shall use reasonable efforts to meet any shipping or performance dates specified in the Sales Confirmation. Such dates are estimates based upon the projected time to process the order and are subject to change.

(b) Seller shall deliver the Goods FOB to Seller's manufacturing facility, which, if not specified on the face of the Sales Confirmation, shall be: 1965 Bennett Drive, DeLand, FL, 32724 (the **"Delivery Point"**). Buyer shall take delivery of the Goods within thirty (30) calendar days of Seller's written notice that the Goods have been delivered to the Delivery Point. If for any reason Buyer fails to accept delivery of any of the Goods on the date fixed pursuant to Seller's notice that the Goods have been delivered at the Delivery Point, or if Seller is unable to deliver the Goods at the Delivery Point on such date because Buyer has not provided appropriate instructions, documents, licenses or authorizations: (i) risk of loss to the Goods shall pass to Buyer; (ii) the Goods shall be deemed to have been delivered; and (iii) Seller, at its option, may store the Goods until Buyer picks them up, whereupon Buyer shall be liable for all related costs and expenses (including, without limitation, transportation costs to third party storage site, crane fees, third party storage fees, and insurance). If Seller elects to store the Goods at a third-party storage site, Buyer hereby authorizes Seller to do so. If Seller elects to store the Goods at the Delivery Point, unless otherwise provided on the face of the Sales Confirmation, Seller shall charge Buyer anywhere from $4.00/sq. ft./month to $20.00/sq, ft./month, at Seller's discretion, which shall be prorated for a partial month. Seller shall indemnify, defend, and hold harmless the Seller, and hereby releases Seller, from any and all claims, liability, losses, damages, costs, and expenses (including attorney's fees) arising from or related to the storage of Goods.

(c) Buyer shall (i) cooperate with Seller and provide access to project premises and other facilities as may reasonably be requested by Seller, for the purposes of supplying the Goods and/or performing the Services; (ii) respond promptly to any Seller request to provide direction, information, approvals, authorizations, or decisions that are reasonably necessary for Seller to deliver the Goods and/or perform the Services in accordance with the requirements of this Agreement; (iii) provide such materials or information as Seller may request to deliver the Goods and/or carry out the Services in a timely manner and ensure that such materials or information are complete and accurate in all material respects; and (iv) obtain and maintain all necessary licenses and consents and comply with all applicable laws in relation to the Goods and/or Services.

4. Title and Risk of Loss. Regardless of freight payment, title and risk of loss passes to Buyer upon delivery of the Goods at the Delivery Point as set forth above. For the avoidance of doubt, Seller shall not be liable for any delays, loss, or damage in transit from the Delivery Point. Buyer shall make claims for delays, loss or damage to the Goods while in transit from the Delivery Point against the carrier. As collateral security for the payment of the purchase price of the Goods, Buyer hereby grants to Seller a lien on and security interest in and to all of the right, title, and interest of Buyer in, to and under the Goods, wherever located, and whether now existing or hereafter arising or acquired from time to time, and in all accessions thereto and replacements or modifications thereof, as well as all proceeds (including insurance proceeds) of the foregoing. The security interest granted under this provision constitutes a purchase money security interest under the applicable state's Uniform Commercial Code. Buyer hereby grants Seller power of attorney to file any necessary financing statements to perfect such security interest.

5. Buyer's Acts or Omissions. If Seller's performance of its obligations under this Agreement is prevented or delayed by any act or omission of Buyer or its agents, subcontractors, consultants, or employees, Seller shall not be deemed in breach of its obligations under this Agreement or otherwise liable for any costs, charges, or losses sustained or incurred by Buyer, in each case, to the extent arising directly or indirectly from such prevention or delay.

6. Price. Orders are accepted and approved with the understanding that the Goods will be billed at Seller's price in effect at the time of material procurement and production of the Goods begin (the **"Price"**), which may differ from Seller's originally quoted price. Seller may accordingly adjust the price of the Goods, in which case, these Terms shall be construed as if the adjusted price was originally inserted herein, and Buyer shall be billed by Seller on the basis of such adjusted price. All Prices are exclusive of all sales, use, and excise taxes, and any other similar taxes, duties, and charges of any kind imposed by any Governmental Authority on any amounts payable by Buyer. Buyer shall be responsible for all such charges, costs and taxes; provided, that, Buyer shall not be responsible for any taxes imposed on, or with respect to, Seller's income, revenues, gross receipts, personal or real property, or other assets.

By **Eric Jones**

#2 - No response
VFD Enclosure

Outlook

Re: AC enclosure - RFQ

From Marco Camero <MCamero@globaltechdb.com>
Date Wed 10/22/2025 8:21 PM
To Jason Anderson <Jason.Anderson@phoenixprods.com>
Cc Steve Dorsey <Steve.Dorsey@phoenixprods.com>; Randy Robertson <randy.robertson@phoenixprods.com>; Angelica Torres <ATorres@globaltechdb.com>

Randy, any updates on this? Please advise. We urgently need this pricing by tomorrow, 10/23/25.

Thank you,
Marco Camero
Electrical Engineer

M: (561) 997-6433 | C: (786) 512-2626| D: (561) 858-8137
www.globaltechdb.com
901 Yamato Rd., Ste. 220, Boca Raton, FL 33431

GLOBALTECH
A DESIGN BUILD COMPANY

From: Marco Camero <MCamero@globaltechdb.com>
Sent: Monday, October 20, 2025 5:45 PM
To: Jason Anderson <Jason.Anderson@phoenixprods.com>
Cc: Steve Dorsey <Steve.Dorsey@phoenixprods.com>; Randy Robertson <randy.robertson@phoenixprods.com>; Angelica Torres <ATorres@globaltechdb.com>
Subject: Re: AC enclosure - RFQ

Thanks, Jason.

Randy, please let me know if you have any questions. Ideally, we'd like to have a quote by Friday. Let me know if that's feasible.

Regards,

Marco Camero
Electrical Engineer

M: (561) 997-6433 | C: (786) 512-2626| D: (561) 858-8137
www.globaltechdb.com
901 Yamato Rd., Ste. 220, Boca Raton, FL 33431

GLOBALTECH
A DESIGN BUILD COMPANY

From: Jason Anderson <Jason.Anderson@phoenixprods.com>
Sent: Monday, October 20, 2025 9:23 AM
To: Marco Camero <MCamero@globaltechdb.com>
Cc: Steve Dorsey <Steve.Dorsey@phoenixprods.com>; Randy Robertson <randy.robertson@phoenixprods.com>
Subject: Re: AC enclosure - RFQ

Good morning Marco,

Steve and I are traveling this week so I have copied in our other sales engineer to take care of this one for you.

Get Outlook for iOS

From: Marco Camero <MCamero@globaltechdb.com>
Sent: Monday, October 20, 2025 7:17:13 AM
To: Jason Anderson <Jason.Anderson@phoenixprods.com>
Cc: Steve Dorsey <Steve.Dorsey@phoenixprods.com>
Subject: AC enclosure - RFQ

Jason/Steve,
We're looking for a new air-conditioned enclosure to house five VFDs, each measuring 82.85"H × 30.92"W × 24.03"D. Please see the attached example of a similar enclosure we previously purchased for other switchgear, as it reflects the general configuration we're aiming for. Details for this build are provided below.

Weather Resistant, Level 2 Sound Attenuated, Aluminum, Walk-in Enclosure:

- Approximate dimensions: 216" L x 96" W x 96" H (estimated weight: 3,400lbs).
- Enclosure Exterior to be of .080",3003-H14 Aluminum, Formed, Panel Construction, Pre-Painted Finish (Standard Color White).
- 3" Sound Attenuating Fire Blanket in Walls, Doors and Ceilings. Insulation Retained with .050" Perforated Aluminum. Enclosure is Designed to Reduce Source SPL by 15 dB (A) @ 7M in a Free-Field Environment.
- (3) Single, Access Doors with Padlocking Provisions, Panic Release and Corrosion Resistant Hardware.
- (2) Double, Access Doors with Padlocking Provisions, Panic Release and Corrosion Resistant Hardware.
- Enclosure External Fasteners to be Stainless Steel.
- Cambered Roof Design to aid in Water Shedding.
- Enclosure Suitable for 186 Ultimate MPH Wind Loading
- Enclosure to Bear the Insignia of the Florida Department of Business and Professional Regulation to Document Compliance with the 2023 8th Edition Florida Building Code.

Enclosure Electrical Package:

Provide, Install and Wire:

- (1) 3-Ton Bard AC Unit with External Disconnect Switch and GFCI (startup not included).
- (1) 120/208V 3 Phase MCB (100A main breaker) Panel Board with Bolt-on Branch Circuit Breakers.
- (3) 48" LED Light Fixtures with (2) Switches Located by Entrance Doors.
- (2) 20A, 125V Duplex GFCI Receptacle Located by Entrance Doors.
- (2) Dual Head Emergency Light Fixtures with Battery Back Up Located by Access Doors.
- All Electrical to be Run in EMT or LFMC to meet NFPA 70.

Unitizing Structural Steel Base Frame:

- Approximate Dimensions: 216" L x 96" W x 10" H
- Cable Stub Up Opening Under Circuit Breaker.
- 2 Lifting Points per Side (4 Total) for Lifting VFD's, Enclosure and Base.
- Frame Primed with Two Part Epoxy Zinc Based Primer and Two-Part Polyester/Polyurethane Topcoat -Gloss Black

System Integration (Upfit at CPS Facility):

- Provide for Ship Loose 4" x ¼" Neoprene Padding for Installation Between Base Frame and Pad

Let me know if you have any questions/concerns.

Thank you,

Marco Camero
Electrical Engineer

M: (561) 997-6433 | C: (786) 512-2626| D: (561) 858-8137
www.globaltechdb.com
901 Yamato Rd., Ste. 220, Boca Raton, FL 33431

Re: AC enclosure - RFQ

From Marco Camero <MCamero@globaltechdb.com>
Date Wed 10/22/2025 8:21 PM
To Nathaniel Kitchens <nkitchens@fidelitymfg.com>
Cc Angelica Torres <ATorres@globaltechdb.com>

Nathaniel, any updates on this? Please advise.

Thank you,
Marco Camero
Electrical Engineer

M: (561) 997-6433 | C: (786) 512-2626| D: (561) 858-8137
www.globaltechdb.com
901 Yamato Rd., Ste. 220, Boca Raton, FL 33431

GLOBALTECH
A DESIGN BUILD COMPANY

From: Marco Camero <MCamero@globaltechdb.com>
Sent: Monday, October 20, 2025 5:44 PM
To: Nathaniel Kitchens <nkitchens@fidelitymfg.com>
Cc: Angelica Torres <ATorres@globaltechdb.com>
Subject: Re: AC enclosure - RFQ

Nathaniel,
See below in red.

Thank you,
Marco Camero
Electrical Engineer

M: (561) 997-6433 | C: (786) 512-2626| D: (561) 858-8137
www.globaltechdb.com
901 Yamato Rd., Ste. 220, Boca Raton, FL 33431

GLOBALTECH
A DESIGN BUILD COMPANY

facebook

From: Nathaniel Kitchens <nkitchens@fidelitymfg.com>
Sent: Monday, October 20, 2025 11:14 AM
To: Marco Camero <MCamero@globaltechdb.com>
Cc: Angelica Torres <ATorres@globaltechdb.com>
Subject: RE: AC enclosure - RFQ

Marco,

Good morning! Hope that you are doing well and had a great weekend!

Please advise on the following:

- Project Site Location: Palm Beach County Water Treatment Plant 11 (39700 Hooker Hwy, Belle Glade, FL 33430)
- Project Name: PBC WTP11 Membrane - Phase II
- When do you need this quote returned? Friday (10/24/25)

Thank you,

Nathaniel Kitchens
Sr. Technical Sales Estimator
1900 NE 25th Ave
Ocala, FL 34470
Main: 352-414-4700 ext.1020
Direct: 352-414-4703

signature_1677295911

From: Marco Camero <MCamero@globaltechdb.com>
Sent: Monday, October 20, 2025 8:19 AM
To: Nathaniel Kitchens <nkitchens@fidelitymfg.com>

Cc: Angelica Torres <ATorres@globaltechdb.com>
Subject: AC enclosure - RFQ

Nathaniel,
We're looking for a new air-conditioned enclosure to house five VFDs, each measuring 82.85"H × 30.92"W × 24.03"D. Please see the attached example of a similar enclosure we previously purchased for other switchgear, as it reflects the general configuration we're aiming for. Details for this build are provided below.

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- Approximate dimensions: 216" L x 96" W x 96" H (estimated weight: 3,400lbs).
- Enclosure Exterior to be of .080",3003-H14 Aluminum, Formed, Panel Construction, Pre-Painted Finish (Standard Color White).
- 3" Sound Attenuating Fire Blanket in Walls, Doors and Ceilings. Insulation Retained with .050" Perforated Aluminum. Enclosure is Designed to Reduce Source SPL by 15 dB (A) @ 7M in a Free-Field Environment.
- (3) Single, Access Doors with Padlocking Provisions, Panic Release and Corrosion Resistant Hardware.
- (2) Double, Access Doors with Padlocking Provisions, Panic Release and Corrosion Resistant Hardware.
- Enclosure External Fasteners to be Stainless Steel.
- Cambered Roof Design to aid in Water Shedding.
- Enclosure Suitable for 186 Ultimate MPH Wind Loading
- Enclosure to Bear the Insignia of the Florida Department of Business and Professional Regulation to Document Compliance with the 2023 8th Edition Florida Building Code.

Enclosure Electrical Package:

Provide, Install and Wire:

- (1) 3-Ton Bard AC Unit with External Disconnect Switch and GFCI (startup not included).
- (1) 120/208V 3 Phase MCB (100A main breaker) Panel Board with Bolt-on Branch Circuit Breakers.
- (3) 48" LED Light Fixtures with (2) Switches Located by Entrance Doors.
- (2) 20A, 125V Duplex GFCI Receptacle Located by Entrance Doors.
- (2) Dual Head Emergency Light Fixtures with Battery Back Up Located by Access Doors.
- All Electrical to be Run in EMT or LFMC to meet NFPA 70.

Unitizing Structural Steel Base Frame:

- Approximate Dimensions: 216" L x 96" W x 10" H
- Cable Stub Up Opening Under Circuit Breaker.
- 2 Lifting Points per Side (4 Total) for Lifting VFD's, Enclosure and Base.
- Frame Primed with Two Part Epoxy Zinc Based Primer and Two-Part Polyester/Polyurethane Topcoat -Gloss Black

System Integration (Upfit at CPS Facility):

- Provide for Ship Loose 4" x ¼" Neoprene Padding for Installation Between Base Frame and Pad

Let me know if you have any questions/concerns.

PENINSULAR ELECTRIC DISTRIBUTORS, INC.

MEMBER
IMARK GROUP

1301 Old Okeechobee Road
West Palm Beach, FL 33401
Phone: (561) 832-1626 / (800) 842-6816
FAX: (561) 832-2108

MEMBER
NAED

CUSTOMER: GLOBALTECH — #1 Selected Vendor 600A Power Panel

DATE: 10/23/2025

JOB NAME: PBC WTP 11 MEMBRANE

ADDRESS:

PO #:

ITEM	QUANTITY	MANUFACTURER	CATALOG NUMBER	UNIT	PER	TOTAL
1	1	SQUARE D	600A MCB 480V N3R PANEL	11,760.00	E	11,760.00
	-		5-200/3			
	-		3-3 POLE SPACES			
	-					
~~2~~	~~1~~	~~SQUARE D~~	~~SAME AS ABOVE IN N4X S.STEEL~~	~~25,230.00~~	~~E~~	~~25,230.00~~
	-					
	-					
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	-					
	-					

TOTAL:

By: *Wes Watson*

Tax NOT Included

#2 - Higher Price
600A Power Panel

C.E.S. (Palm Beach Airport)
2611 Mercer Ave Ste 1, West Palm Beach, FL,
33401.

Phone: 561-834-2995
Fax: 561-834-2996
Email: palmbeachairport0732@cityelectricsupply.com

QUOTATION

PBA/003865

Valid From: 23 Oct 2025
Valid Until: 22 Nov 2025

CITY ELECTRIC SUPPLY COMPANY

GLOBALTECH INC
901 YAMATO RD STE 220
BOCA RATON, FL
33431
Phone: 5619976344

Delivery Details:
GLOBALTECH INC
901 Yamato Road Suite 220
BOCA RATON,
FL
33431

Entered by: Bo Kosack
Sales Rep: Bo Kosack
Account No.: 07320038001
Order Number: PBC WTP11 MEMBRANE

Qty	Item	Description	$ Price Per	$ Goods
1	COST PER LOT BOM	kosabx00c_10222500	12181.78 1	12181.78

NO PLANS PROVIDED
BUILT TO CUSTOMER REQUEST
BOM SUBJECT TO APPROVAL

Please do not hesitate to contact us if we can be of any further assistance.

Sincerely Yours,

Bo Kosack

(QUOTE ONLY. NOT A RECEIPT)

Goods Total: $12181.78
Tax Total: $780.91
Total: $12962.69

SIEMENS

#3- Higher Price
600A Power Panel

Proposal

From: World Electric Supply, Inc.
3101 NW 27TH AVE SUITE 101
Pompano Beach, FL 33071
USA

PLEASE REVIEW BOM

Jeff Marr

Tel. No.: 954-979-1960
jeffrey.marr@worldelectricsupply.com

Job Name: PBC WTPII MEMBRANE PHASE 2
Quote Name: PBC WTPII MEMBRANE PHASE 2
Quote #: marrjx10c_10232507_00_00_M00
Bid Date: 10/23/2025

Siemens Industry, Inc. (Company) agrees to sell to Purchaser and Purchaser agrees to purchase from the Company the goods described below. Written quotations are valid for 30 calendar days from price approval date unless otherwise stated in the quotation. Quotations are subject to change by Siemens Industry, Inc. at any time upon written notice to Purchaser. Estimated Lead times refer to the manufacturing cycles, in working days, at time of quotation and are subject to change.

Quote Notes:

Line #:	Qty	Description
20000	1	**PANEL A--PANELBOARD P3**

Estimated Lead Time until Ready for Shipment : 40 Working Days.

1 - SECTION
P3E68VK600FTS, System Voltage: 480Y/277 3Ø 4W Wye AC, IR @ 65,000 AIC, Top Feed, Surface Mount, Bus Rating: 600A, Bus Material: Copper, Plating: Tin, NEMA 3R OUTDOOR.

1 - INTERIOR W/ 600A /3P-3VA54-HLAS MAIN BREAKER
- 1 - 3VA Mechanical (2)2/0-500Kcmil Cu/Al Lug
- 1 - (2)2/0-500Kcmil Cu/Al
- 1 - Master NP Secured -Adhesive
- 1 - No Front
- 1 - Certification - UL
- 1 - Std Al/Cu Gnd Connector
- 1 - Catalog #: 3VA54606EC310AA0

8 - 3P-3VA52-HFAS - PROV
Enclosure, Catalog Number US2:30NRD68V
- 1 - 30WD 68H P3 VENTED NEMA 3R ENCLOSURE

	Unit	Extended
Sell Price	**$8,143.79**	**$8,143.79**

10	**5**	**Standard Product--BRKR 3VA52 3P 200A 65KA FTFM AL**

Estimated Lead Time until Ready for Shipment : 10 Working Days.
Catalog No.: 3VA52206ED360AA0

	Unit	Extended
Sell Price	**$1,896.92**	**$9,484.60**

SIEMENS

Proposal

Grand Total: **Sell Price** **$17,628.39**

Global Notes:

Important Update:

Siemens reserves the right to make partial deliveries or modify its labor or services. While Siemens shall make every commercially reasonable effort to meet the delivery or service or completion date mentioned above, such date is subject to change and buyer shall not be entitled to any damages resulting from such delays.

Cancellation Schedule:

In the event that Buyer cancels the purchase order, or portions of the purchase order in writing, the following charges, as a percentage of the total purchase order price for the order, or application portions thereof, will apply:

After order entry, but before submittals completion	15%
After submittals completion, but before release to manufacturing	30%
After customer release to manufacturing, but before fabrication	60%
After start of fabrication, but before start of assembly	80%
After assembly has started	100%

Price Policy: Standard quote is valid for 30 days from price approval date.

Acceleration Costs: Siemens published manufacturing lead times remain subject to change. Customer lead time reduction requests and corresponding acceleration costs will be evaluated on a case by case basis by Siemens. Where Customer has paid Siemens increased costs to reduce lead times and Siemens fails to timely ship relevant product, Siemens may in its discretion and as Customer's sole and exclusive remedy for delay, elect to refund customers a portion of the acceleration costs, proportionate to the actual reduction in lead time. This policy reflects Siemens' commitment to both efficient delivery and customer satisfaction.

Hold for Release Pricing: Unless Siemens agrees in writing in advance the following will happen to any hold for release lines:

Any order lines not released within ninety (90) days of order creation shall be subject to a price increase reflecting current pricing at the time of release.

Any order lines not released within nine (9) months following order creation will be treated as a Buyer termination. Siemens reserves the right to cancel and charge the associated cancellation fees per cancellation schedule.

Shipping: Shipment of goods will be made after receipt of all the following at Company's production facility: (a) Purchase Order / Electronic PO, (b) Technical Information, and if required (c) Drawing Approval.

Freight: Freight allowed on all orders over $1,000 and shipped within the contiguous United States, provided Seller selects the Route Option: BESTRT -Best Route.

Delivery: FOB Shipping Point, unless stated otherwise.

Small Order Handling: Purchase orders below $400 will incur a $25 Small Order Handling (SOH) Fee.

Warranty: Warranty shall be in effect for a period of (1) year from initial operation of the goods but not more than eighteen (18) months from Siemens, shipment of the goods, unless stated otherwise.

Payment: Payment shall adhere to the following schedule unless stated elsewhere in the proposal:

Subset of Products with Always-Progress Payments:

Siemens Power System Studies:

Initial Payment: 50% upon completion of power study modeling submittal

Final Payment: 50% upon completion of final power study deliverable

REXEL

Description:
PBC WTP11 Membrane - Phase II: Compact Logix - Modules

#1 Selected Vendor - Sole Source

Quote #2797359

Updated On: 10/22/2025

Company Name:
GLOBALTECH INC

Billing Address:
GLOBALTECH INC (470990)
901 W YAMATO RD STE 220
BOCA RATON, FL 33431-4497

Created Date:
10/22/25

Shipping Address:
901 W YAMATO RD STE 220
BOCA RATON, FL 33431-4497 US

Shipping Method:
Store Truck

FOB:
Destination

Sales Person:
Edward Arndt
Edward.Arndt@RexelUSA.com

Branch:
Orlando - DC #1586
4078505400

Terms:
PROX.25TH

	PRODUCTS	QTY	UNT PR / UOM	TOTALS
1.	 **1756-OF8I** | Item# 718392 I/O Module, Analog Isolated, Output, 8 Channel **MFR:** Allen-Bradley	1	$4,386.91[000] EA	$4,386.91
2.	 **1756-IF8I** | Item# 689538 I/O Module, Analog Individually Isolated, Input, 8 Channel **MFR:** Allen-Bradley	1	$3,685.00[000] EA	$3,685.00
3.	 **1756-IA16** | Item# 52634 I/O Module, Digital AC Input, 16 Channel, Current Sinking, 120VAC **MFR:** Allen-Bradley	1	$768.12[000] EA	$768.12
4.	 **1756-OA16** | Item# 49575 I/O Module, Digital AC Output, 16 Channel, 120/240VAC **MFR:** Allen-Bradley	1	$1,086.30[000] EA	$1,086.30

Entire Quote:

Sub Total:	$9,926.33
S/H:	Not Included
Tax:	Not Included
Total:	$9,926.33

Amount for each pump - 4 Pumps total= $39,705.32

Prices are subject to change at any time prior to shipment unless agreed to otherwise in writing signed by an authorized Seller representative. Orders related to this quotation must be received, accepted and released by Seller within 48 hours of issuance of the quotation and are subject to availability. Seller reserves the right to pass through any changes in delivery date, price, scope and quantity of supply arising from actions of Seller's manufacturing partners or vendors and/or resulting from any Force Majeure event

AEREX INDUSTRIES, INC.

#1 Selected Vendor
316SS Piping

BUDGETARY
SCOPE OF SUPPLY & PRICE PROPOSAL
STAINLESS STEEL PIPING PACKAGE

Buyer: Globaltech

Date: October 16, 2025
Revision 0

Project: Palm Beach Gardens, FL
WTP 11 Membrane Train Phase 2
Aerex Proposal No. JMS25125 CO#1

Aerex Industries, Inc. presents this proposal for the fabrication of stainless-steel pipe spools per the following drawings, specifications, and codes:

- All pipe is 316/316L dual certified stainless-steel conforming to ASTM A312 Welded and ASME B36.19
- All fittings are 316/316L dual certified stainless-steel conforming to ASTM A403 WP-W and ASME B16.9
- All flanges are 316/316L dual certified stainless-steel conforming to ASTM A182 and ASME B16.5
- All materials listed below will be provided as either domestic or import. **No special** "Buy American" or "American Iron and Steel" restrictions accounted for.

The following equipment, materials and/or services form a part of this Proposal:

- **Scope of Supply:** Material list provided below is our (Aerex's) takeoff and understanding of the necessary materials needed to complete **one (1)** piping system.

Materials Provided By Aerex					
QTY	Unit	Size	Material	Sch. / Class	Item
20	FT	1.5 NPS	316/316L SS	Sch. 40s	Pipe
80	FT	6 NPS	316/316L SS	Sch. 40s	Pipe
40	FT	8 NPS	316/316L SS	Sch. 40s	Pipe
20	FT	10 NPS	316/316L SS	Sch. 40s	Pipe
40	FT	14 NPS	316/316L SS	Sch. 40s	Pipe
3	EA	6 NPS	316/316L SS	Sch. 40s	LR 90
2	EA	8 NPS	316/316L SS	Sch. 40s	LR 90
1	EA	10 NPS	316/316L SS	Sch. 40s	LR 90
6	EA	14 NPS	316/316L SS	Sch. 40s	LR 90
3	EA	6 NPS	316/316L SS	Sch. 40s	SR 90
2	EA	6 NPS	316/316L SS	Sch. 40s	Straight TEE
1	EA	8 NPS	316/316L SS	Sch. 40s	Straight TEE
2	EA	10 NPS	316/316L SS	Sch. 40s	Straight TEE
1	EA	14 NPS	316/316L SS	Sch. 40s	Straight TEE
2	EA	10 NPS X 8 NPS	316/316L SS	Sch. 40s	Reducing TEE

1	EA	6 NPS	316/316L SS	Sch. 40s	Cap
2	EA	10 NPS	316/316L SS	Sch. 40s	Cap
11	EA	6 NPS	316/316L SS	300#	Raised Face Slip-on Flange
2	EA	8 NPS	316/316L SS	300#	Raised Face Slip-on Flange
5	EA	10 NPS	316/316L SS	300#	Raised Face Slip-on Flange
2	EA	14 NPS	316/316L SS	300#	Raised Face Slip-on Flange
8	EA	0.5 NPT	316/316L SS	3000 #	Threaded Half Coupling

- Fabricated pipe spools will be pickled and passivated by full immersion per ASTM A-380 after completing fabrication.
- Qualifications - ASME Code Certificates "U", "S", "NB" and "R"
- All welding is per ASME B31.3 and all welders are qualified per ASME Section IX.
- All interior welds shall be free from burrs, snags, or rough projections.
- All fabricated assemblies will be dimensionally manufactured and checked using tolerances as specified in PFI standard ES3, latest edition.

The following equipment, materials and/or services are not included in this Proposal:

- Federal, state and/or county taxes, tariffs, and/or permit fees.
- Design, O&M Manuals and any jobsite services
- Dye penetrant, hydrostatic pressure testing, or any other nondestructive testing not explicitly provided in this Proposal.
- Annealing after fabrication.
- Tie rods, lugs, supports, stanchions, hangers, base elbow supports, etc.
- Branch calculations, design, etc.
- Floor and wall sleeves or castings.
- Pipe supports, pipe hangers, pipe saddles, pipe guides and similar appurtenances.
- Field verification of dimensions.
- Field welding
- Valves, Threaded Fittings, Pumps, Instrumentation, Tubing, Labels
- Outbound Freight charges
- All other equipment and/or materials not explicitly provided by Aerex in this Proposal.

Price for the Pipe Spools described above is:	**$193,400.00 USD**
Freight:	**TBD USD**

- Proposal Price is based on shipment being made in **to be determined** number of truck loads. Additional shipments will be prepaid and added to cost.
- Proposal Price includes detailed shop fabrication drawings. **One** electronic PDF set of General Arrangement drawings for submittals and dimensional verification by the contractor. Upon approval of the General Arrangement drawings, **One** electronic PDF set of detailed spool drawings will be generated.
- Proposal Price is subject to change due to changes requiring additional materials and labor.
- Aerex reserves the right to manufacture and invoice for this work after submittal drawings are approved.
- Proposal Price is valid through **November 17th, 2025**. Items released for purchase after this date are subject to "Price in Effect" on both the base cost and surcharge rate of components.
- This Proposal is void if an order or letter of intent to purchase is not placed on or before the "valid through date". Letter of intent must approve funding in order to secure materials or price will remain subject to increases resulting from surcharge rate increase for material components.
- Claims for latent shortages or latent damages must be made within ten (10) days of receipt of material. All other claims for shortages or damages in transit must be made upon receipt of material and must be noted on the delivery ticket or bill of lading.
- For the stated scope of work provided above Aerex Industry shall only be recognized as a MANUFACTURER of Stainless-Steel Pipe "NOT a SUBCONTRACTOR" and will not accept liabilities typically accepted by a subcontractor.
- **ALL INFORMATION CONTAINED IN THIS PROPOSAL IS STRICTLY CONFIDENTIALY AND IS NOT TO BE DISCLOSED AND/OR DISCUSSED WITH ANY PERSON OR ENTITY OTHER THAN THE PERSON (ENTITY) LISTED IN THE HEADING OF THIS PROPOSAL AND/OR AN AEREX REPRESENTATIVE.**

Summary of Standard Terms and Conditions:	
Shipment Schedule:	Submittals: 4-5 weeks Material Acquisition: ▪ Pipe: 2-3 weeks ▪ Fittings: 8-9 weeks ▪ Flanges: 4-5 weeks Fabrication: 8-12 weeks (after Aerex receipt of all approved drawings)
Terms of Payment:	Net 30 days (upon credit approval) – Aerex will invoice for payment upon receipt of materials and/or upon shipment of finished goods. NO RETAINAGE
Shipping Terms:	FCA Aerex Industries, Freight prepaid

ACCEPTANCE OF PROPOSAL

If this Proposal meets with your approval, please execute and return one (1) copy for our records.
Accepted on this _____ day of _____, 2025.

PURCHASER: _____

By:
Title:

Best Regards,

Jon Fichtelman, Sr. Project Manager
Aerex Industries, Inc.
3504 Industrial 27th Street
Fort Pierce, FL 34946
T: (772) 461-0004

#2 - No Response
316SS Piping

Outlook

WTP 11 Skid Mod.

From Angelica Torres <ATorres@globaltechdb.com>
Date Wed 10/22/2025 3:12 PM
To jon.diehl@coreandmain.com <jon.diehl@coreandmain.com>

1 attachment (1 MB)
WTP 11 SKIDS.pdf;

Good afternoon,

Could you please provide us with budgetary prices for the attached skid modification. We are modifying 4 skids for WTP 11 PBC. I tried to include the necessary for you to help us with the takeoff and pricing. Please feel free to call me if you need more information.

Thank you,

Angelica Torres

Project Estimator

M: (561) 997-6433 | C: (561) 768-8980 | D: (561) 858 8125

www.globaltechdb.com

901 Yamato Rd., Suite 220, Boca Raton, FL 33431

GLOBALTECH
A DESIGN BUILD COMPANY

Outlook

#3 - Could not provide Price
316SS Piping

Re: WTP 11 Skid Mod.

From Angelica Torres <ATorres@globaltechdb.com>
Date Wed 10/15/2025 3:11 PM
To Wesley Bunn <wgbunn@mcdadewaterworks.com>

Hi Wes,

Can you please take a look at this and provide us ballpark/price range? This is for the county, and they want the work authorization ready by Friday.
I'd really appreciate if you can help us.

Thank you,

Angelica Torres

Project Estimator

M: (561) 997-6433 | C: (561) 768-8980 | D: (561) 858 8125

www.globaltechdb.com

901 Yamato Rd., Suite 220, Boca Raton, FL 33431

GLOBALTECH
A DESIGN BUILD COMPANY

From: Mike Worrell <mike@MCDADEWATERWORKS.COM>
Sent: Wednesday, October 15, 2025 2:41 PM
To: Angelica Torres <ATorres@globaltechdb.com>
Cc: Wesley Bunn <wgbunn@MCDADEWATERWORKS.COM>
Subject: RE: WTP 11 Skid Mod.

Okay, I'm in a big one now that will tie me up till Friday at least. Next week is pack too. I might be able to get into late next week?

McDade Waterworks, Inc.
Mike Worrell – Chief Estimator
Main Office Phone: (813) 740-1144 Fax: (813) 627-9387 Direct Line: (813) 670-3902
E-Mail: mike@mcdadewaterworks.com Web: http://www.mcdadewaterworks.com
Mailing: P.O. Box 16039 - Tampa, FL 33687-6039 **Physical:** 6520 Harney Road - Tampa FL. 33610

From: Angelica Torres <ATorres@globaltechdb.com>
Sent: Wednesday, October 15, 2025 2:31 PM
To: Mike Worrell <mike@MCDADEWATERWORKS.COM>
Cc: Wesley Bunn <wgbunn@MCDADEWATERWORKS.COM>
Subject: Re: WTP 11 Skid Mod.

Mike,

To be honest, we should've had this yesterday, but we agreed on a basic design today for scope considerations. Please provide it as soon as possible. The county is asking for this project asap. When do you think you can give us price?
Thank you,

Angelica Torres

Project Estimator

M: (561) 997-6433 | C: (561) 768-8980 | D: (561) 858 8125

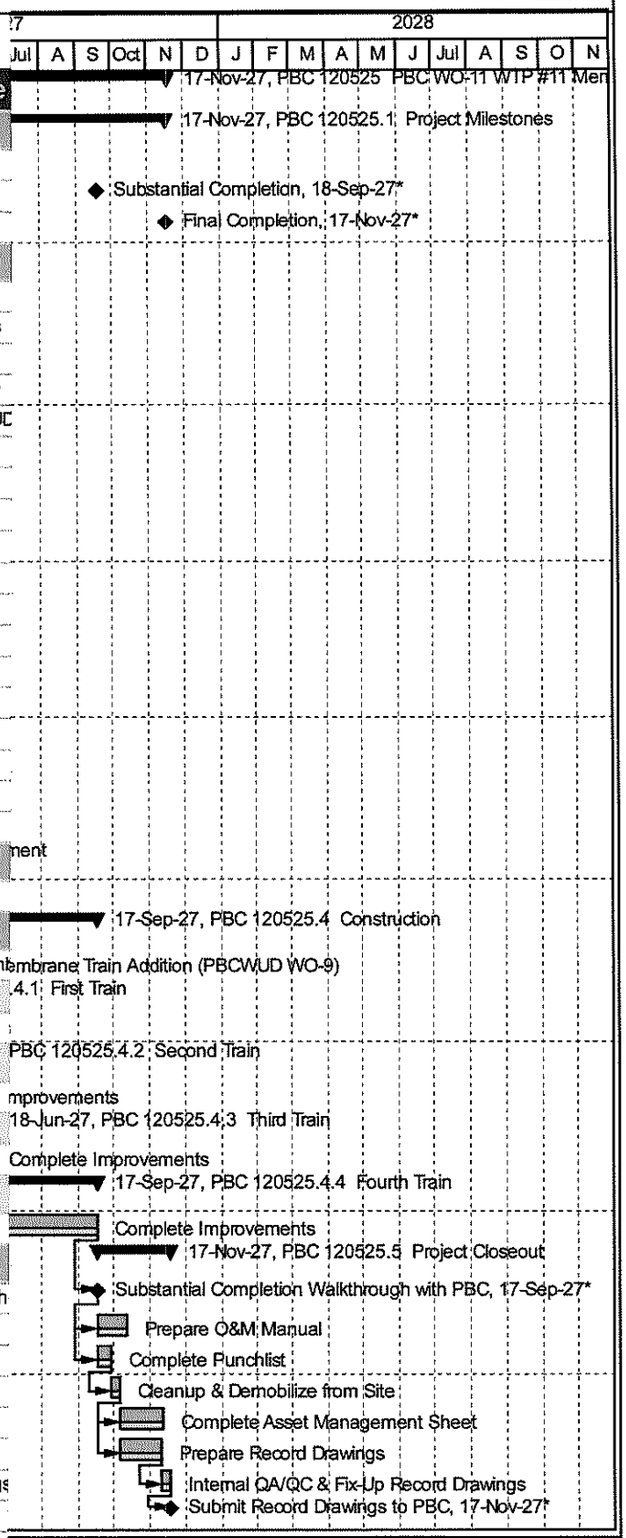
www.globaltechdb.com

901 Yamato Rd., Suite 220, Boca Raton, FL 33431

GLOBALTECH
A DESIGN BUILD COMPANY

PBC WO-11 WTP #11 Membrane Train Improvements - Phase II — PM: Bruce Rahmani

Activity ID	Activity Name
PBC 120525	**PBC WO-11 WTP #11 Membrane**
PBC 120525.1	**Project Milestones**
A1000	NTP
A1010	Substantial Completion
A1020	Final Completion
PBC 120525.2	**Engineering**
A1040	Prepare Preliminary Design TM
A1050	Prepare Preliminary Design - [#] Sheets
A1060	Internal QA/QC Preliminary Design
A1070	Submit Preliminary Design to PBCWUD
A1080	Review Preliminary Design with PBCWUD
A1090	Prepare 60% Design
A1100	Internal QA/QC 60% Design
A1110	Submit 60% Design to PBCWUD
A1120	Review 60% Design with PBCWUD
A2410	Prepare 90% Design
A2420	Internal QA/QC 90% Design
A2430	Submit 90% Design to PBCWUD
A2440	Review 90% Design with PBCWUD
A2450	Prepare 100% Design
A2460	Internal QA/QC 100% Design
A2470	Submit 100% Design to PBCWUD
A2480	Review 100% Design with PBCWUD
A2490	Obtain PBC BD and DOH Permits
PBC 120525.3	**Procurement**
A2540	Complete Procurement
PBC 120525.4	**Construction**
A2550	Complete Construction for WTP 11 Membrane Train Addition (PBCWUD WO-9)
PBC 120525.4.1	**First Train**
A2500	Complete Improvements
PBC 120525.4.2	**Second Train**
A2510	Complete Improvements
PBC 120525.4.3	**Third Train**
A2520	Complete Improvements
PBC 120525.4.4	**Fourth Train**
A2530	Complete Improvements
PBC 120525.5	**Project Closeout**
A2200	Substantial Completion Walkthrough with
A2205	Prepare O&M Manual
A2210	Complete Punchlist
A2220	Cleanup & Demobilize from Site
A2230	Complete Asset Management Sheet
A2240	Prepare Record Drawings
A2250	Internal QA/QC & Fix-Up Record Drawings
A2260	Submit Record Drawings to PBC



Preliminary Baseline
Actual Work
Remaining Work
Critical Remaining Work
Shutdown
Delay

GLOBALTECH
A DESIGN-BUILD COMPANY

Water Utilities Department
Engineering Division

8100 Forest Hill Blvd

West Palm Beach, FL 33413

(561) 493-6000

Fax: (561) 493-6085

www.pbcwater.com

July 11, 2025

Mr. Bernard Paul Gandy, President/CEO
Globaltech, Inc.
901 Yamato Rd., Ste. 220
Boca Raton, Florida 33431

Re: Project Number: 21-072
Optimization & Improvement Design Build Engineering Services
Notification of Contract Clauses No Longer Being Enforced Pursuant to Emergency Ordinance 2025-014

Dear Mr. Gandy,

On June 3, 2025, the Board of County Commissioners (BCC) approved an emergency ordinance to suspend the race and gender conscious provisions of the County's EBO ordinance. The suspension will remain in effect for two years or until further direction by the BCC, whichever comes first. As a result, the provisions relating to minority/women-owned business enterprise (M/WBEs) participation contained in the Contract document (R2023-0086) under General Provisions section B Subcontracting of **will not be enforced** as of June 3, 2025, only the small business enterprise (SBE) provisions will apply.

Please sign below to acknowledge receipt of this notification. This acknowledgement will be included in, and made part of, the contract file.

Should you require any additional information please contact Ms. Christina Bervin at cbervin@pbcwater.com or at (561) 493 5203.

Cordially,

Jane House, P.E., LEED AP
Director of Engineering Division

Receipt Acknowledged and In Agreement:

Globaltech, Inc.
(Design-Build Entity)

Bernard P. Gandy
(Print Name)

(Signature)

JUN 15, 2025
(Date)

ATTACHMENT 2
Location Map

PBCWUD Project No. 25-035
Water Treatment Plant No. 11

EBIX

Attachment 3

Palm Beach County
Compliance Summary Report

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00001996	Globaltech Inc.	Modified	Compliant					21-072	Optimization and Improvements Design-Build Contract
		Ap , XII	Amerisure Mutual Insurance Company	CA20796541402	11/1/2025	11/1/2026	Auto Liability		
		A++g , XV	Illinois Union Insurance Company	I08833680012	5/1/2025	5/1/2026	Builders Risk		
		A+p , XV	The North River Insurance Company	5821377012	11/1/2025	11/1/2026	Excess Liability		
		Ap , XII	Amerisure Mutual Insurance Company	CPP20796571502	11/1/2025	11/1/2026	General Liability		
		A+g , XV	Indian Harbor Insurance Company	PEC004442311	11/1/2025	11/1/2026	Professional Liability		
		Ap , XII	Amerisure Insurance Company	WC20796551401	11/1/2025	11/1/2026	Workers Comp		

Risk Profile : Standard - General Services

Required Additional Insured : Palm Beach County Board of County Commissioners

Ownership Entity :

26-0176

ATTACHMENT 4

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA
EXPENDITURE BUDGET TRANSFER

BGEX 110325*358

FUND 4011 Water Utilities Capital Improvement Fund

ACCOUNT NUMBER	ACCOUNT NAME	UNIT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED as of 11/03/25	REMAINING BALANCE
EXPENDITURES									
721-W026-6541	Water Treatment Plant	Glades Utility Authority Capital	4,860,031	8,728,767	8,237,323		16,966,090	8,559,302	8,406,788
721-W006-6541	Water Treatment Plant	Water & Sewer - All Systems	5,777,527	5,777,527		4,781,428	996,099	996,098	1
721-W010-6545	Wastewater Treatment Plant	Southern Region WWTP	32,017,953	31,422,735		3,455,895	27,966,840	4,730,939	23,235,902
	Total Expenditures				**8,237,323**	**8,237,323**			

SIGNATURES **DATES**

Tony Foreman 04-Nov-25
Initiating Department/Division

Lisa Mack 11/6/2025
Administration/Budget Department Approval

OFMB Department - Posted

BY BOARD OF COUNTY COMMISSIONERS

At Meeting of: 2-Dec-25

Deputy Clerk to the
Board of County Commissioners

Updated by OFMB 01/08/2025