

**Equipment Allowance Scope of Work  
AND  
Pre-Purchased Materials Purchase Orders**

**Repairs to the Walt Williams Filtration Plant  
AND  
Walt Williams Filtration Plant Filter Rehabilitation**

(Project Nos. 36432-10 and 36432-11)



**LAGRANGE**  
G E O R G I A

**City of LaGrange  
LaGrange, Georgia**

**JULY 2022  
ISSUED FOR BIDS**

**BARGE**  
DESIGN SOLUTIONS



# Equipment Allowance Scope of Work

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Ship To  
City of LaGrange  
980 Cameron Mill Road  
La Grange, GA 30240  
(706) 883-2177

Bill To  
City of LaGrange  
200 Ridley Ave.  
LAGRANGE, GA 30240  
(706) 883-2046

Purchase Order  
No. 2023-00000002

DATE 07/01/2022

VENDOR NO. 9083

### Changed Purchase Order



PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, SHIPPERS, BILL OF LADING AND CORRESPONDENCE

DELIVER BY 07/15/2022

SHIP VIA  
FREIGHT TERMS

PAGE 1 of 1

ORIGINATOR: Jeremy Andrews

Vendor  
Xylem Water Solutions USA, INC.  
26717 Network Place  
Chicago, IL 60673-1267

#### REFERENCE #

QUANTITY	UNIT	DESCRIPTION	STATUS	UNIT COST	TOTAL COST
1.0000	EA	Preparation of Submittals - Preparation of Submittals 512-4450-54-2514 - Water & Sewer Improvements 132,980.00  2 Wlt W Filtr Val	Open	132,980.0000	\$132,980.00
TOTAL DUE					\$132,980.00

DEPARTMENT HEAD

CITY MANAGER

Special Instructions

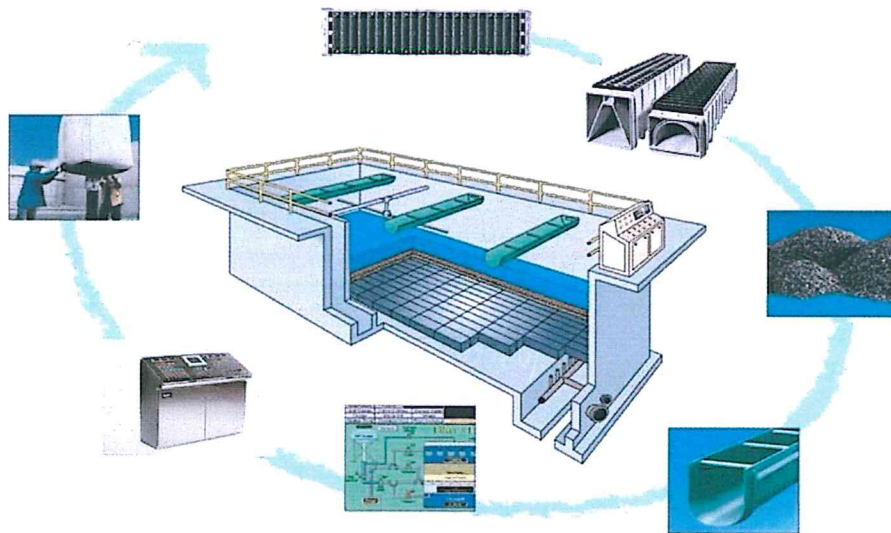
- SHIPMENTS MAY BE REFUSED IF THE PURCHASE ORDER NO. IS NOT SHOWN ON SHIPPERS AND BILL OF LADING.
- EXEMPT FROM STATE/LOCAL AND FEDERAL TAXES.
- SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT PRIOR APPROVAL.
- PARTIAL SHIPMENT WILL BE ACCEPTED IF INVOICED SEPARATELY.
- C.O.D. OR COLLECT SHIPMENTS WILL NOT BE ACCEPTED.
- RECEIVING HOURS ARE 9:00 A.M. TO 3:00 P.M. MONDAY - FRIDAY.





# Firm Proposal

## LaGrange WTP LaGrange, GA.



5/6/2022



**Xylem Water Solutions USA, Inc.**  
108 Tomlinson Drive Suite 400  
Zelienople, PA 16063  
Mr. Chris Ball  
Direct: 724-453-2109  
Mobile: 724-713-7145  
Email: [chris.ball@xylem.com](mailto:chris.ball@xylem.com)

5/6/2022

**Project name : LaGrange, GA WTP**  
**Project number : I21274 REV06**

To Whom It May Concern:

Based on your inquiry, we are pleased to forward the following proposal to your attention. Thank you for the opportunity to offer our equipment and services for the LaGrange, GA WTP project.

We hope that our proposal meets your expectation. If you have any questions, please do not hesitate to contact me or our local representative.

Respectfully,

Chris Ball  
Senior Sales Engineer



# 1 Technical Description

## 1.1 SCOPE OF SUPPLY

We are pleased to offer the following materials and services by Xylem Water Solutions USA, Inc. This quotation has been prepared using previously supplied as-built drawings for 1949, 1969 and 1993 filters.

### **FILTER UNDERDRAIN SYSTEM FOR 1969 FILTERS 5, 6, 7 & 8 (FILTER EQUIPMENT):**

#### **LEOPOLD UNIVERSAL® TYPE XA® UNDERDRAIN:**

Under this section, we propose to furnish Leopold Universal® Type XA® Underdrain of the Dual/Parallel Lateral type, manufactured from corrosion resistant, high density polyethylene for installation in eight (8) filter cells (four (4) dual bay filters). Each filter cell measures 11'-0" lateral run x 16'-0". The total filter area is 1,408 square feet.

The blocks shall be arranged end-to-end and mechanically joined with an O-ring to form continuous underdrain laterals approximately equivalent to the length of the filter cell. The joints shall be gasketed, bell and spigot type with internal alignment tabs for proper alignment, and be air and water tight. Joints shall be snap-lock type so that the blocks are joined with integral interlocking snap lugs and lug receptors for ease of assembly and installation of the laterals.

#### **I.M.S® 200 MEDIA RETAINER:**

Under this section, we propose to furnish 1,408 square feet of I.M.S® 200 media retainer. The scope includes molded thermoplastic I.M.S® 200 media retainer factory installed onto the proposed Leopold Universal® Type XA® Underdrain block prior to shipment.

#### **WASH TROUGHS:**

Under this section, we propose to furnish twenty four (24) Leopold Reinforced Fiberglass Troughs, Leo-Lite No. 87, measuring 15" wide x 17" deep x 11' - 0" long, round bottom construction.

Also included is the standard end hanger assembly fabricated from type 316 stainless steel and type 316 stainless steel hardware.

Also included shall be type 304 stainless steel stabilizers for stabilization of wash water troughs.

Wash troughs shall have one closed end and one open discharge end with waterstop.

#### **AGITATORS:**



Under this section, we propose to furnish Twenty-four (24) total agitators, sixteen (16) are 5'-0" diameter straight line and eight (8) are 9'-3" diameter Palmer "S", with flexi-jet nozzles, and TJ end caps.

Agitators will have forged bronze center bearing assembly with red brass lateral arms.

**FILTER MEDIA:**

	Eight (8) filter cells, 176 square feet each TOTAL FILTER AREA: 1,408 square feet
1,540 cubic feet	SILICA SAND – 12" Depth plus 1/2" skimming allowance and 5% extra Effective size: 0.45 mm to 0.55 mm Uniformity coefficient: 1.40 77 Tons
2,296 cubic feet	FILTER ANTHRACITE – 18" Depth plus 1" skimming allowance Effective Size: 0.95 mm to 1.05 mm Uniformity coefficient: 1.40 57 Tons

**Submittals:**

Materials meet and/or exceed American Water Works Association Standard B100 (latest revision) for Filtering Material. Typical samples and/or test reports detailing the physical and chemical characteristics of the filtering material will be provided for review and approval as required by the specification. If independent testing is required per specification, test reports of the actual material produced will be submitted for approval prior to release for shipment.

**Packaging and Placement of Materials:**

Material will be packaged in semi-bulk containers, "Super Bags," with lifting sleeves and bottom discharge spout, containing approximately 2,000 to 4,000 pounds per sack. **Pallets are not included in this proposal and can be provided for an additional charge.**

**Quantities:**

Quantities indicated above are Xylem Water Solutions USA, Inc best calculations of the quantity requirements. Five percent (5%) extra sand is included to cover incidental damage or loss. Any additional loss of sand due to storage or handling is not covered by this proposal.

**FILTER SYSTEM CONTROLS FOR 1969 FILTERS 5, 6, 7 & 8 (CONTROLS):**

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Under this section, we propose to furnish the following FilterWorx™ Automatic Control System for the subject project for controlling the filtration and backwashing operations of four (4) dual cell filters (8 cells total). The system will consist of the following equipment:

Two (2) Leopold model AFC-5000™ Dual Filter Control Consoles. The consoles shall be housed in a Hoffman or equal stainless steel enclosure. The panel shall include provisions for automatic, semi-automatic, and manual control of the filtration and backwashing operations of four (4) dual cell filters (8 cells total). Logic functions shall be performed by an Allen-Bradley Compact Logix series PLC. PLC system to have 10% active spare input/output terminations at each register. PLC shall have an Ethernet port for communications, and panel to have an unmanaged Ethernet switch. Effluent and backwash rate of flow control and indication shall be via a PID function in the PLC. Each dual console shall contain two PLCs, each will control one dual cell filter (2 cells). Operator interface shall be via a 19" Allen-Bradley PanelView Plus touchscreen.

One (1) lot of spare equipment consisting of: one (1) of each type of PLC I/O module used and two (2) of each type of relay, selector switch, pushbutton, and pilot light used.

#### **FILTER UNDERDRAIN SYSTEM FOR 1949 FILTERS 1, 2 & 4:**

##### **LEOPOLD UNIVERSAL® TYPE XA® UNDERDRAIN:**

Under this section, we propose to furnish Leopold Universal® Type XA® Underdrain of the Dual/Parallel Lateral type, manufactured from corrosion resistant, high density polyethylene for installation in three (3) filter cells. Each filter cell measures 18'-0" lateral run x 20'-0". The total filter area is 1,080 square feet.

The blocks shall be arranged end-to-end and mechanically joined with an O-ring to form continuous underdrain laterals approximately equivalent to the length of the filter cell. The joints shall be gasketed, bell and spigot type with internal alignment tabs for proper alignment, and be air and water tight. Joints shall be snap-lock type so that the blocks are joined with integral interlocking snap lugs and lug receptors for ease of assembly and installation of the laterals.

##### **I.M.S® 200 MEDIA RETAINER:**

Under this section, we propose to furnish 1,080 square feet of I.M.S® 200 media retainer. The scope includes molded thermoplastic I.M.S® 200 media retainer factory installed onto the proposed Leopold Universal® Type XA® Underdrain block prior to shipment.

##### **FILTER MEDIA:**

	Three (3) filter cells, 360 square feet each
	TOTAL FILTER AREA: 1,080 square feet
1,181 cubic feet	SILICA SAND – 12" Depth plus 1/2" skimming allowance and 5% extra Effective size: 0.45 mm to 0.55 mm Uniformity coefficient: 1.40 59 Tons



1,761 cubic feet

FILTER ANTHRACITE – 18” Depth plus  
1” skimming allowance  
Effective Size: 0.95 mm to 1.05 mm  
Uniformity coefficient: 1.40  
44 Tons

**Submittals:**

Materials meet and/or exceed American Water Works Association Standard B100 (latest revision) for Filtering Material. Typical samples and/or test reports detailing the physical and chemical characteristics of the filtering material will be provided for review and approval as required by the specification. If independent testing is required per specification, test reports of the actual material produced will be submitted for approval prior to release for shipment.

**Packaging and Placement of Materials:**

Material will be packaged in semi-bulk containers, "Super Bags," with lifting sleeves and bottom discharge spout, containing approximately 2,000 to 4,000 pounds per sack. **Pallets are not included in this proposal and can be provided for an additional charge.**

**Quantities:**

Quantities indicated above are Xylem Water Solutions USA, Inc best calculations of the quantity requirements. Five percent (5%) extra sand is included to cover incidental damage or loss. Any additional loss of sand due to storage or handling is not covered by this proposal.

**FILTER SYSTEM CONTROLS SYSTEM FOR 1949 FILTERS 1, 2,3 & 4 (CONTROLS):**

Under this section, we propose to furnish the following FilterWorx™ Automatic Control System for the subject project for controlling the filtration and backwashing operations of four (4) filters. The system will consist of the following equipment:

Four (4) Leopold model AFC-5000™ Filter Control Panels. The panels shall be mounted on top of the existing marble consoles. The panel shall be housed in a Hoffman or equal stainless steel enclosure. The panel shall include provisions for automatic, semi-automatic, and manual control of the filtration and backwashing operations of three filters. Logic functions shall be performed by an Allen-Bradley Compact Logix series PLC. PLC system to have 10% active spare input/output terminations at each register. PLC shall have an Ethernet port for communications, and panel to have an unmanaged Ethernet switch. Effluent and backwash rate of flow control and indication shall



be via a PID function in the PLC. The PLC subpanel shall be located within the existing marble console enclosure. Operator interface shall be via a 15" Allen-Bradley PanelView Plus touchscreen.

**FILTER UNDERDRAIN SYSTEM FOR 1993 FILTER 13 (MEDIA ONLY):**

**FILTER MEDIA:**

One (1) filter cell, 396 square feet  
TOTAL FILTER AREA: 396 square feet

408 cubic feet

GRAVEL – 12" Depth plus 3% extra  
1/8" X No.12 - 3 inches (top layer)  
1/4" X 1/8" - 3 inches  
1/2" X 1/4" - 3 inches  
3/4" X 1/2" - 3 inches (bottom layer)  
20 Tons

433 cubic feet

SILICA SAND – 12" Depth plus  
1/2" skimming allowance and 5% extra  
Effective size: 0.45 mm to 0.55 mm  
Uniformity coefficient: 1.40  
22 Tons

646 cubic feet

FILTER ANTHRACITE – 18" Depth plus  
1" skimming allowance  
Effective Size: 0.95 mm to 1.05 mm  
Uniformity coefficient: 1.40  
16 Tons

**Submittals:**

Materials meet and/or exceed American Water Works Association Standard B100 (latest revision) for Filtering Material. Typical samples and/or test reports detailing the physical and chemical characteristics of the filtering material will be provided for review and approval as required by the specification. If independent testing is required per specification, test reports of the actual material produced will be submitted for approval prior to release for shipment.

**Packaging and Placement of Materials:**

Material will be packaged in semi-bulk containers, "Super Bags," with lifting sleeves and bottom discharge spout, containing approximately 2,000 to 4,000 pounds per sack. **Pallets are not included in this proposal and can be provided for an additional charge.**

**Quantities:**

Quantities indicated above are Xylem Water Solutions USA, Inc best calculations of the quantity requirements. Three percent (3%) extra gravel and five percent (5%) extra sand is included to cover incidental damage or loss. Any additional loss of sand due to storage or handling is not covered by this proposal.

## 1.2 SERVICES

### MANUFACTURER'S SERVICES (FILTER EQUIPMENT):

The services of a qualified Leopold technical representative to instruct the Contractor's personnel about the proper installation technique of the **filter equipment** will be provided for a period of twenty (20) days (8 hr/day) on site in ten (10) trips. Additional services may be obtained at the current prevailing rate plus living and travel expenses.

### MANUFACTURER'S SERVICES (CONTROLS):

The services of a qualified Leopold technical representative for filter control system startup and operator training will be provided for a period of twenty five (20) days including travel time to and from the job-site in four (4) trips. Additional services may be obtained at the current prevailing rate plus living and travel expenses.

## 2 Technical Clarification & Deviations

1. Not Used

## 3 Price & Scope of Supply

### 3.1 MAIN SCOPE

#### BASIS of PRICING:

Any items and/or accessories not specifically called out in this quotation must be construed as being furnished by others.

This quotation is considered firm until **November 1, 2022 with a PO being issued on or before this date**. Orders received after this date are reviewed by Xylem Water Solutions USA, Inc before acceptance and are subject to changes in prices or delivery depending on





conditions existing at the time of entry. Quoted prices are firm for delivery within 12 months from the delivery date stipulated in the plans & specifications or mutually agreed upon by Xylem Water Solutions USA, Inc. and Purchase Order issuer at time of order placement.

We do not include any applicable taxes.

Orders resulting from this quotation should be addressed to Xylem Water Solutions USA, Inc. 227 S. Division St., Zelienople, PA, 16063, USA.

**FILTER EQUIPMENT AND CONTROLS:**

We propose to furnish the material described in this document for a **total selling price of \$1,329,800.**

Pricing for the equipment and field services outlined in this proposal, DAP Jobsite per Incoterms 2020.

For further information pertaining to the equipment contained in this proposal, please contact our area representative, who is:

Principle Environmental, Inc.  
1770 The Exchange  
Suite 210  
Atlanta, GA 30339  
Phone: (770) 952-9444  
Fax: (770) 952-7933  
Attention: Jerry Wills

**Pricing is based on the following payment terms (net 30 days):**

**10% following initial submittal for approval**

**80% following the date of the respective shipments of the product**

**5% following installation, not to exceed 150 days after shipment of the product**

***(whichever comes first)***

**5% following start-up, not to exceed 180 days after shipment of the product**

***(whichever comes first)***



## 4 Commercial Terms & Conditions

### 4.1 DELIVERY SCHEDULE

#### 4.1.1 Production schedule

Submittal of mechanical drawings for approval 4 to 6 weeks after order acceptance.

Submittal of electrical drawings for approval 10 to 12 weeks after order acceptance.

#### 4.1.2 Delivery time

Delivery of fabricated items 10 to 16 weeks and filter media 24-30 weeks after drawing approval. Please consult manufacturer for media delivery.

FILTER MEDIA WARRANTY (if applicable): SELLER warrants that its filter media products will meet the standards established by the latest edition of AWWA (American Water Works Association) B100. SELLER shall be responsible for verifying that the filter media meets or exceeds the AWWA B100 Standard at the point of sale. Testing shall be by an independent laboratory, which regularly performs testing of filter media. BUYER shall notify Xylem Water Solutions USA, Inc. immediately upon discovery of any defective product. The SELLER shall have the right to inspect said product and BUYER shall, if requested, return the defective product to the SELLER with transportation prepaid. NO LIABILITY IS ASSUMED BY THE SELLER UNDER ANY CIRCUMSTANCES FOR LABOR, MATERIAL OR OTHER COSTS ASSOCIATED WITH THE REMOVAL OR REPLACEMENT OF MEDIA UNLESS PREVIOUSLY APPROVED IN WRITING BY AN AUTHORIZED EMPLOYEE OF THE SELLER.

### 4.2 TERMS AND CONDITIONS OF SALE – NORTH AMERICA

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted. Terms are available at <http://www.xyleminc.com/en-us/Pages/terms-conditions-of-sale.aspx> and incorporated herein by reference and made a part of the agreement between parties.

Different terms are hereby rejected unless expressly assented to in writing.

AGREEMENT TO PURCHASE: BUYER agrees to purchase the equipment and services herein in accordance with the terms and conditions set forth above.

ACCEPTANCE: SELLER hereby accepts BUYER'S offer to purchase.

\_\_\_\_\_  
(BUYER)

Xylem Water Solutions USA, Inc.

BY: \_\_\_\_\_

BY: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_, 20 \_\_\_\_\_

\_\_\_\_\_, 20 \_\_\_\_\_





E-MAIL TRANSMISSION

**ENGINEERING SOLUTIONS GROUP**

4002 Hwy 78, Suite 530-105  
Snellville, GA 30039

E-mail: jwhite400@aol.com  
Cell: 770-722-2188

**DATE:** 06-24-22 **PAGES:** 1

**TO:** Raymond Cordon, P.E.  
Barge Design Solutions

**FROM:** Jim White, P.E.

**RE: LaGrange Water Filters 49 & 69 Upgrade SCADA Quote #06-24-22-1**

The scope of ESG work will include adding new monitoring Filter PLC I/O's via Ethernet connections to new VTScada system. Filter controls will remain @ each Filter HMI screen.

- Contractor will provide PLC I/O Addresses for SCADA monitoring programming.
- LaGrange Water will provide Ethernet connection from Filter PLC's to existing SCADA computer location.
- VTScada programming for new 49 & 69 Filters monitoring displays to include flows, totalizers, trends, turbidity, loss of head, reports, and alarms.
- VTScada programming modifications per LaGrange Utilities Plant Management requests.

Total Installed Cost: **\$29,850.00**

Terms: 50% due upon acceptance, remaining balance due Net 10 days upon job completion.

Quote is good through 08-31-22 and subject to change after this date.

Accepted: \_\_\_\_\_ Date: \_\_\_\_\_ PO #: \_\_\_\_\_



## PO for Control Valves and Actuators

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**Ship To**  
 City of LaGrange  
 1514 Old Hutchinson Mill Road  
 La Grange, GA 30240  
 (706) 883-2045

**Bill To**  
 City of LaGrange  
 200 Ridley Ave.  
 LAGRANGE, GA 30240  
 (706) 883-2046

**Purchase Order**  
 No. 2022-00000876

**DATE** 06/02/2022

**VENDOR NO.** 14784



PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, SHIPPERS, BILL OF LADING AND CORRESPONDENCE

**DELIVER BY** 02/09/2023

**SHIP VIA**

**FREIGHT TERMS**

**PAGE 1 of 1**

**ORIGINATOR:** Jeremy Andrews

**Vendor**  
 Eco-tech, INC.  
 P O Box 956  
 Holly Springs, GA 30142

**REFERENCE #**

QUANTITY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
1.0000	EA	Materials found on attached quote # 22076GA - Valves and Actuators for the Walt Williams Valve Replacement 512-4450-54-2514 - Water & Sewer Improvements 425,000.00 2 Wlt W Filtr Val	425,000.0000	\$425,000.00
<b>TOTAL DUE</b>				<b>\$425,000.00</b>

DEPARTMENT HEAD

CITY MANAGER

Special Instructions

- SHIPMENTS MAY BE REFUSED IF THE PURCHASE ORDER NO. IS NOT SHOWN ON SHIPPERS AND BILL OF LADING.
- EXEMPT FROM STATE/LOCAL AND FEDERAL TAXES.
- SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT PRIOR APPROVAL.
- PARTIAL SHIPMENT WILL BE ACCEPTED IF INVOICED SEPARATELY.
- C.O.D. OR COLLECT SHIPMENTS WILL NOT BE ACCEPTED.
- RECEIVING HOURS ARE 9:00 A.M. TO 3:00 P.M. MONDAY – FRIDAY.





May 26, 2022

TO: City of LaGrange  
ATTN: Purchasing Dept.  
QUOTE #: 22076GA  
PROJECT: Walt Williams WTP Filter Valve Replacement  
LOCATION: LaGrange, GA  
ENGINEER: City of LaGrange  
BID DUE: 5/27  
QUOTATION BY: Chip Ruth  
PAGE: 1 of 2

*The following Valves have been quoted per specification up to and including Addendum #2. Valve boxes, Extension stems, stem guides and tee wrenches are not included unless otherwise noted. MJ accessories and flange joint material are not included. Permanent name plates are by others.*

<u>Tag</u>	<u>Quantity</u>	<u>Description</u>
<b>Structure 49 – 1949 Building</b>		
BFV1	4	16" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQT 2000 Open/Close EMO, Tag - Filter Influent: FV-4911/21/31/41
BFV2	4	8" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQTM 250 Modulating EMO, Tag - Filter Effluent: FCV-4912/22/32/42
BFV3	4	18" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQT 2000 Open/Close EMO, Tag - Backwash: FV-4913/23/33/43
BFV4	4	18" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQT 2000 Open/Close EMO, Tag - Drain: FV-4914/24/34/44
BFV5	4	4" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQT 125 Open/Close EMO, Tag - Rewash: FV-4915/25/35/45
BFV6	4	4" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQT 125 Open/Close EMO, Tag - Surface Sweep: FV-4916/26/36/46
<b>Structure 69 – 1969 Building</b>		
BFV7	4	20" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQT 2000 Open/Close EMO, Tag - Filter Influent: FV-6951/61/71/81

**ECO-TECH, INC.** 156 Hickory Springs  
Industrial Drive  
Canton, GA 30115



P-770-345-2118  
F-770-345-2699

<u>Tag</u>	<u>Quantity</u>	<u>Description</u>
BFV8	4	12" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQTM 2000 Modulating EMO, Tag - Filter Effluent: FCV-6952/62/72/82
BFV9	12	16" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQT 2000 Open/Close EMO, Tag - Backwash: FV-6953/63/73/83, FV-6953A/63A/73A/83A, FV-6953B/63B/73B/83B
BFV10	4	20" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQT 2000 Open/Close EMO, Tag - Drain: FV-6954/64/74/84
BFV11	4	6" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQT 125 Open/Close EMO, Tag - Rewash: FV-6955/65/75/85
BFV12	8	8" Flanged <b>DeZURIK</b> BAW Butterfly valve with <b>Rotork</b> IQT 250 Open/Close EMO, Tag - Surface Sweep: FV-6956A/66A/76A/86A, FV6956B/66B/76B/86B
BFV13	1	20" Flanged <b>DeZURIK</b> BAW Butterfly valve with bare stem for use with existing EMO, Tag - Backwash: FCV-6900
PV1	1	12" Flanged <b>DeZURIK</b> Plug valve with manual Hand wheel actuator Tag - Backwash: FV6900
PV2	1	8" Flanged <b>DeZURIK</b> Plug valve with manual Hand wheel actuator Tag - Surface Sweep: FV6903

**Total Price: \$425,000.00**  
**Start-up is included**

Submittal Lead Time: 4-6 weeks after purchase order  
Manufacturing Lead Time: 26-30 weeks after release  
Terms are Net 30  
Freight is FOB: Factory, Full Freight Allowed  
Pricing is valid for 30 days





Ship To

City of LaGrange  
980 Cameron Mill Road  
La Grange, GA 30240  
(706) 883-2177

Bill To

City of LaGrange  
200 Ridley Avnue  
La Grange, GA 30240  
(706) 883-2046

Purchase Order  
No. 2022-00000868

DATE 05/31/2022

VENDOR NO. 14151



PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, SHIPPERS, BILL OF LADING AND CORRESPONDENCE

DELIVER BY 06/30/2022

SHIP VIA  
FREIGHT TERMS

PAGE 1 of 1

ORIGINATOR: Jason Clifton

Vendor

DWL Instrument Services, LLC  
910 Athens Hwy, STE K # 109  
Loganville, GA 30052

REFERENCE #

QUANTITY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
8.0000	EA	Hach SC4500 Controllers with 5x mA outputs and power cord - Hach SC4500 Controllers with 5x mA outputs and power cord 512-4450-54-2514 - Water & Sewer Improvements 23,752.96 2 Wlt W Fltr Val	2,969.1200	\$23,752.96
1.0000	EA	Valued Customer Discount - Valued Customer Discount 512-4450-54-2514 - Water & Sewer Improvements (2,000.00) 2 Wlt W Fltr Val	(2,000.0000)	(\$2,000.00)
16.0000	EA	Hach TU5300 Laser Turbidimeter w/automatic cleaning module - Hach TU5300 Laser Turbidimeter w/automatic cleaning module 512-4450-54-2514 - Water & Sewer Improvements 59,709.44 2 Wlt W Fltr Val	3,731.8400	\$59,709.44
1.0000	EA	Hach TU5300 Turbidimeter Maintenance Kit - Hach TU5300 Turbidimeter Maintenance Kit 512-4450-54-2514 - Water & Sewer Improvements 1,594.88 2 Wlt W Fltr Val	1,594.8800	\$1,594.88
1.0000	EA	Freight - Freight 512-4450-54-2514 - Water & Sewer Improvements 2,126.43 2 Wlt W Fltr Val	2,126.4300	\$2,126.43
1.0000	EA	Labor, travel, operator training - Labor, travel, operator training 512-4450-54-2514 - Water & Sewer Improvements 4,000.00 2 Wlt W Fltr Val	4,000.0000	\$4,000.00
1.0000	EA	Installation Supplies - Installation Supplies 512-4450-54-2514 - Water & Sewer Improvements 1,000.00 2 Wlt W Fltr Val	1,000.0000	\$1,000.00
			TOTAL DUE	\$90,183.71

Project #2

DEPARTMENT HEAD

CITY MANAGER

Special Instructions

- SHIPMENTS MAY BE REFUSED IF THE PURCHASE ORDER NO. IS NOT SHOWN ON SHIPPERS AND BILL OF LADING.
- EXEMPT FROM STATE/LOCAL AND FEDERAL TAXES.
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- PARTIAL SHIPMENT WILL BE ACCEPTED IF INVOICED SEPARATELY.
- C.O.D. OR COLLECT SHIPMENTS WILL NOT BE ACCEPTED.
- RECEIVING HOURS ARE 9:00 A.M. TO 3:00 P.M. MONDAY - FRIDAY.









**Ship To**  
 City of LaGrange  
 980 Cameron Mill Road  
 La Grange, GA 30240  
 (706) 883-2177

**Bill To**  
 City of LaGrange  
 200 Ridley Ave.  
 LAGRANGE, GA 30240  
 (706) 883-2046

**Purchase Order**  
**No.** 2022-00000940  
**DATE** 06/30/2022

**VENDOR NO.** 16413

**Vendor**  
 Primary Flow Signal, INC.  
 800 Wellington Avenue  
 CRANSTON, RI 02910



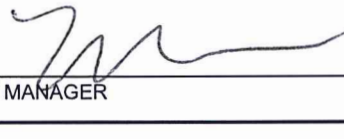
PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, SHIPPERS, BILL OF LADING AND CORRESPONDENCE

**DELIVER BY** 11/30/2022  
**SHIP VIA**  
**FREIGHT TERMS**  
**PAGE 1 of 1**  
**ORIGINATOR:** Jeremy Andrews

**REFERENCE #**

QUANTITY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
4.0000	EA	FILTERS 1-4 - 8" B-HVT-CI 512-4450-54-2514 - Water & Sewer Improvements 29,760.00 2 Wlt W Fltr Val	7,440.0000	\$29,760.00
4.0000	EA	FILTERS 5-8 - 12" A-HVT-CI 512-4450-54-2514 - Water & Sewer Improvements 45,960.00 2 Wlt W Fltr Val	11,490.0000	\$45,960.00
2.0000	EA	START UP SERVICES - START UP SERVICES 512-4450-54-2514 - Water & Sewer Improvements 4,800.00 2 Wlt W Fltr Val	2,400.0000	\$4,800.00
<b>TOTAL DUE</b>				<b>\$80,520.00</b>

DEPARTMENT HEAD 

CITY MANAGER 

Special Instructions

- SHIPMENTS MAY BE REFUSED IF THE PURCHASE ORDER NO. IS NOT SHOWN ON SHIPPERS AND BILL OF LADING.
- EXEMPT FROM STATE/LOCAL AND FEDERAL TAXES.
- SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT PRIOR APPROVAL.
- PARTIAL SHIPMENT WILL BE ACCEPTED IF INVOICED SEPARATELY.
- C.O.D. OR COLLECT SHIPMENTS WILL NOT BE ACCEPTED.
- RECEIVING HOURS ARE 9:00 A.M. TO 3:00 P.M. MONDAY – FRIDAY.





800 WELLINGTON AVENUE, CRANSTON RI, 02910 USA PH: 401-461-6366 FAX: 401-461-4450 <http://www.primaryflowsignal.com>

The PRIMARY FLOW SIGNAL, INC. Certifications: ISO 9001-2015; PED Module H; ASME "S" "U"

## BUDGET ESTIMATE & SCOPE OF SUPPLY

<b>TO:</b>	Barge Design
<b>ATTN:</b>	Katie Snyder
<b>ADDRESS:</b>	NA

<b>DATE:</b>	6/28/2022	<b>FROM:</b>	Dan Carter
<b>QUOTE NO:</b>	790-20 Rev. #3	<b>PHONE:</b>	MOBILE: 404-822-3313
		<b>EMAIL:</b>	<a href="mailto:dcarter@eco-tech.net">dcarter@eco-tech.net</a>

<b>PROJECT:</b>	City of LaGrange GA – WTP Filter Effluent

<u>Quantity</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total Price</u>
(4)  FILTERS 1-4	<b>8" B-HVT-CI</b> cast iron venturi with ANSI B16.1 Class 125 flanges per ASTM A126, Grade B. Throat and pressure tap bushings are 304 stainless steel. Interior cast iron surfaces coated with NSF-61 epoxy approved for potable water service. Exterior cast iron surfaces coated with shop primer. Venturi outlet is machined to accept an 8" AWWA C-504 flanged butterfly valve (supplied and installed by others). <b>Venturi lay length is standard 25.4 inches.</b>	\$7,440.00	<b>\$29,760.00</b>
(4)  FILTERS 5-8	<b>12" A-HVT-CI</b> cast iron venturi with ANSI B16.1 Class 125 flanges per ASTM A126, Grade B. Throat and pressure tap bushings are 304 stainless steel. Interior cast iron surfaces coated with NSF-61 epoxy approved for potable water service. Exterior cast iron surfaces coated with shop primer. Venturi outlet is machined to accept a 12" AWWA C-504 flanged butterfly valve (supplied and installed by others). <b>35.25" Overall Lay Length (venturi + butterfly valve).</b>	\$11,490.00	<b>\$45,960.00</b>
(1)	Lot of startup services consisting on two trips/two days of startup services for calibration and checkout of ROFC for 1949 and 1969 Filters.	\$2,400.00	<b>\$4,800.00</b>

Full freight allowed to jobsite.



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### **Escalation Clause and Materials Origin**

Pricing Proposal/Quote/Estimate issued hereby is strictly based on costs extant on date of issue hereof. Due to extreme market/supply chain cost volatility, Seller reserves the right to escalate selling prices offered hereby at any time prior to confirmed receipt by Seller of Buyer's irrevocable Authorization/Release to Fabricate/Manufacture/Machine in addition to Official, binding Purchase Order.

If, during the performance of this contract, the price of materials, services, components, and the like significantly increases, through no fault of Seller, the price shall be equitably adjusted by an amount reasonably necessary to cover any such cost increases. Significant cost increase(s) shall mean **any incremental or cumulative increase in Seller's manufacturing costs exceeding 10 %**, from the date of price quotation to the date of the buyer's authorized notification to Seller for release to production and fabrication.

Where the delivery of finished goods is delayed, through no fault of Seller, as a result of the shortage or unavailability of raw materials, services, components, and the like Seller shall not be liable for any additional costs or damages associated with such delays.

Seller's pricing is based upon UNRESTRICTED SOURCING of specification compliant materials incorporated in the manufacture of items within this scope of supply unless otherwise directed in advance by contractual specifications provided to Seller at time of Proposal development.

Should buyer be required to comply with any domestic content restrictions required by any government act or regulation, the buyer shall be responsible to provide such restrictions to Primary Flow Signal to enable the seller to adjust the price to comply with such requirements.



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**Price Quote Validity:** Prices quoted are valid for 5 days from quote date.

**Warranty:** 25 years from date of installation for venturi. 5 years from date of installation for secondary instrumentation.

**Freight Terms:** FOB Cranston, RI

**Freight Charges:** Primary flow signal incurs all freight charges. Full freight allowed to jobsite.

**Shipment From Factory:** 16-18 weeks after approval

**Estimated Transit Time To Jobsite:** TBD

**Documents: (If Applicable)** Submittals (electronic): 1-2 weeks after receipt of purchase order. If hard copy submittals are required, additional fees may apply.

**Documents: (If Applicable)** O/M manuals (electronic): 4 weeks after release to manufacture. If hard copy O&M's are required, additional fees may apply.

**Documents: (If Applicable)** Training manuals (electronic): Preliminary: 4 weeks after release to manufacture. Final: 2 weeks after approval of preliminary. If hard copy training manuals are required, additional fees may apply.

**Field Work** None included

- Not Included:**
1. Electrical, mechanical, structural, concrete, rigging or any other work not specifically noted above.
  2. Nuts, bolts, gaskets or any other mounting hardware required to install any equipment listed above.
  3. Permits, taxes, duties, customs charges or any other fees or charges not specifically stated are not included.

\*\*\*\*\* END OF SCOPE OF SUPPLY \*\*\*\*\*



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Date:	3/17/2022	TERMS AND CONDITIONS
Quote No.:	790-20 R2	
Project:	City of LaGrange GA – WTP Filter Effluent	

- Valid purchase order referencing this proposal and contract or duly executed copy of this proposal and contract must be received by PFS, Inc. within 45 days of the effective date.
- All quoted prices are in U.S. dollars.
- Submittals, if required, shall be approved within 45 days of submittal date, or release to manufacture, shall be conveyed within 45 days of order date, whichever comes first.
- **Cost of single shipment from point of manufacture to USA destination included. If multiple shipments are requested additional shipping fees will apply.**
- The approximate shipping weight for the quoted article(s) is \_\_\_\_\_ pounds.
- Applicable Sales or Use Taxes, Fees, and Licenses are NOT included.
- Any special jigs, fixtures, patterns and the like, which may be included in an order, shall remain the property of PFS, Inc., without credit to customer. Primary Flow Signal, Inc. agrees to maintain and replace such tooling as may be required except that after one year of tooling being inactive, PFS, Inc. reserves the right to scrap said items without credit to the customer.
- Cancellations or Delay in Performance: Seller shall not be responsible for cancellation or delay in performance or delivery resulting from causes beyond its reasonable control including but not limited to: acts of God, strikes, or other labor disturbance; equipment failure; delays in transportation; inability to obtain fuel, materials, or parts; war; acts of terrorism; riot; epidemics; quarantine; government action; floods; fires; unusually severe weather; accidents; or other contingencies the non-occurrence of which was a fundamental, reasonable assumption on which purchase contract was executed and accepted.
- PAYMENT – 100% NET 30 Days from the date of shipment or notification of readiness for shipment, subject to credit for all accounts suitably rated; otherwise by special arrangement. Overdue balances shall be subject to a service charge of 1.5% per month on the unpaid balance.
- Retainage will not be allowed based on this price quote.
- Shipments delayed by the customer, or agents thereof, shall be surcharged at a rate of 2%, compounded monthly, on the value of the unshipped portion.
- **Shipment from our factory shall be approximately 16 to 18 weeks following receipt of approval submittal or authorized release to manufacture, subject to raw materials availability, and PFS manufacturing load. (If flow calibration is required, see note below).**
- **Submittals can be forwarded 1 to 2 weeks after receipt of purchase order.**
- **If laboratory flow calibration is required, add \_\_ to \_\_ days to shipment time.**
- **Prices quoted are valid for (5) days from the date of this Proposal.**