

WATER TREATMENT PLANT FY 2023-2024 Capital Request

Replace three 8" gate valves and three 8" check valves at the raw water pump station. At least 2 of these gate valves date back to the 1960's and are no longer functional. **Cost Est. \$35,000**

Replace 20 ft. sliding gate in front of WTP. The gate is at least 20 years old. **Gate \$7,500, operator \$6000.**

New chlorine scales. **\$2000**

Replace aging lab equipment. Currently our pocket chlorine analyzer and Hach 890 analyzer are both more than 10 years old and no longer supported by the manufacture. These instruments can be replaced with the Hach DR 3900. **\$6,000**

Replace the old analog high service pressure gage with a new digital pressure transmitter. This will allow the SCADA system to monitor the water pressure in the distribution system. This will also allow us to set up alarms to notify off duty operators of low water pressure, which can indicate a major water leak. **\$2,500**

Place manholes over our 12" raw water line and our 12" treated water line in order to gain access to these lines so new meters can be properly calibrated. **\$20,000**

Request line item 5160.012 Chemicals – water plant be increased to **\$100,000.**

Request line item 5160.013 Sludge Removal be increased to **\$40,000.**

BUDGET REQUEST FORM
2023/2024 BUDGET CYCLE

DEPARTMENT: Waste Water

ITEM REQUESTED: Ebara Return Pump Spare

NEED FOR REQUEST: Spare Sludge Pump

COST OF ITEM: \$9,249.00

* ITEM REQUESTED: Siemens Flowmeter (part of SCADA system)

NEED FOR REQUEST: Read low flow on Returns e Alarm

COST OF ITEM: \$15,316.04

* ITEM REQUESTED: Airoflo Aerator e Panel

NEED FOR REQUEST: 5th Aerator needed. Running 4

COST OF ITEM: may need 5th for spare

Kelly Bekken doing bid for panel - current one overheating

ITEM REQUESTED: Laptop e Printer

NEED FOR REQUEST: Present one is old.

COST OF ITEM: 1540⁰⁰ Laptop

Would like to look
into Rehab of #2LS.
e A SCADA

TOTAL OF REQUESTS: _____

* SCADA System

From: Carter ctucker@cartereq.com
 Subject: RAS Pump pricing
 Date: May 16, 2023 at 11:00:34 AM
 To: hhines@hotmail.com

Attaching Sir

Thank You So Much

Carter T

Andra & Carter Tucker

Carter Equipment

Ph: 903-758-1858
 Fax: 903-758-3758
ctucker@cartereq.com

Carter Equipment

210 W. Tyler St
 Longview, TX 75601
 PH: 903-758-1858
 FAX: 903-758-3758

Quotation

Date	Quotation #
5/16/23	230516.2-ct

Name / Address
Accounts Payable City of Mount Vernon PO Box 597 Mount Vernon, TX 75457

Attention

Customer Phone #

Customer Fax #
903-537-4914

Terms	Rep	FOB	Quote Valid Until
Due on receipt	SCT		

Item	Description	Qty	Unit Price	Total
pump, Ebara	for RAS Liftstation Ebara Submersible Pump Model # 100 DVFU 6 3.7 4 (5 hp) Performance Point: 300 GPM @ 23.5 Feet TDH 460 Volt, 3 Phase, 60 Hz Standard Power / Signal Cables Length 33 Ft.	1	6,093.00	6,093.00
Option	to purchase pump from Factory with 75 foot Cords ADD \$ 1,526.00 each pump	1	1,526.00	1,526.00
Option	for Carter Eqpt to 'extend' cords to 65 feet ADD \$	1	800.00	800.00

	700.00 each pump		
freight	Ship Wt Approx 440 lbs - Frt Estimated to be \$ 380.00	1	380.00
part	Adaptor Plate to accomplish connection of Ebara pump to Hydromatic Guiderail bracket	1	450.00
Delivery Cha...	Delivery to Mount Vernon and connection of pump to Liftstation Connection / Control Panel NDT Included in above pricing		0.00

Thank You !!!! YOU and Your Business Are EXTREMELY VALUABLE To Us !!!!

Total \$9,249.00

Gateway Automation & Instrumentation

457 Spokane Street
Gladewater TX 75647



Estimate

Date	Estimate #
5/8/2023	804 Rev 6

Name / Address	Ship To
City of Mt. Vernon 109 N Kaufman St Mount Vernon, TX 75457	City of Mt. Vernon 109 N Kaufman St Mount Vernon, TX 75457

Phone #	Fax #	E-mail	P.O. No.	Project	
903-235-5770	1-800-211-1779	jimmy.hall@gai-automation.com			
Description		Qty	Price	MPN	Total
Siemens: 7ME3570-1JA4-0EQ1 SITRANS FS220 - Clamp On SITRANS FS220 1-path ultrasonic flow meter for volume measurement of liquids. For simple use in the areas of water and sewage, heating, ventilation and air conditioning technology. Ideal for retrofitting in water supply networks for leakage monitoring. 1 Transmitter FST020 J Graphical display highlighted with push button, Modbus (RTU), Outputs (passive): Current, Relay, Pulse, complete with cable glands A Meter power: 90 - 240 V AC (50 / 60 Hz) 4 . 0 . 0 . E FSS200 Sensor pair Universal size range: 203 - 610 mm (8 - 24g), temperature -40°C - +121°C (-40°F to 250°F), with mounting frame kit for pipes up to 650 mm (25h). Q Sensor cables Coax PVC, submersible 10 m (32.8 ft), with F-connector, shortenable terminated on one end side, -40°C to 80°C (-40°F to 176°F) 1 UL, ULc, CE		2	6,048.82	7ME3570-1JA4 0-0EQ1	12,097.64
				Total	
Web Site		gai-automation.com			

Customer Signature

Gateway Automation & Instrumentation

457 Spokane Street
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City of Mt. Vernon 109 N Kaufman St Mount Vernon, TX 75457	City of Mt. Vernon 109 N Kaufman St Mount Vernon, TX 75457

Phone #	Fax #	E-mail	P.O. No.	Project
903-235-5770	1-800-211-1779	jimmy.hall@gai-automation.com		
Description	Qty	Price	MPN	Total
Siemens: 6EP3331-6SB00-0AY0 LOGO!Power 24 V / 1.3 A stabilized power supply input: 100-240 V AC output: 24 V DC/ 1.3 A *Ex approval no longer available*	2	100.00	6EP3331-6SB0 0-0AY0	200.00
Mision P/N: M852 RTU EWireless Real-Time Alarm System with Streaming Data ENEMA 4X Enclosure (Outdoor enclosure; Includes all parts for standard installation)	1	2,345.00	M852	2,345.00
Mission P/N: SP850-12 1 Year Service	1	563.40	SP850-12	563.40
Mission: OP466-Pulse Pulse Input (2 pulse channel inputs)	1	110.00	OP466-Pulse	110.00
		0.00%		0.00
			Total	\$15,316.04
Web Site		gai-automation.com		

Customer Signature _____

May 17, 2023

City of Mount Vernon
Heath Hines

Re: **Quote on New Laptop and Printer**
(Pricing valid 30 days)



Lenovo ThinkPad E15
16GB Ram DDR4
512GB NVME SSD
i5 11th Gen CPU
Windows 10 Pro



Lexmark MB2236i Printer

Qty	Description	Price Each	Total
1	Lenovo Laptop	\$1240.00	\$1240.00
1	Lexmark All in One Printer	\$300.00	\$300.00
	Total		\$1540.00

If you have any questions, please feel free to call us. Thank you for your business.

Sincerely,

Jimmy Fox

jfox@net-techs.com