

Date: March 13, 2023
To: Joe Trueblood, Utility Superintendent
From: Bill Swearingen, Operations Supervisor
Subject: Filter Effluent Electric Actuators (Filters 1-6)

I would like to recommend replacing filter's 1-6 rate of flow electric actuators originally installed in 2002. These actuators are installed on the filter effluent piping and control the flow through the filter beds via SCADA. Filter 7 rate of flow actuator was problematic and was replaced 2017. Filters 8-11 rate of flow actuators would be scheduled for replacement in 2024.

The attached proposal includes programming, startup, and installation services.

2023 Budget Item: \$45,000.00

<u>Items</u>	<u>Unit</u>	<u>Total</u>
(6) Filter Effluent Actuators	\$7,682.00	\$46,091.00

To: Sheboygan Water Utility
Ref: Filter ROF Valve 1-6 Actuator Replacement
Attn: Andy Wellman & Bill Swearingen

Date: 3/7/2023
Proposal No. Q524aush
Page: one of one
Industry Code: 4952

FOB: Pre-Pay & Add
Terms: N30
Delivery: 12-14 weeks

Make Order To: Dorner Company
N61 W23043 Silver Spring Dr.
Sussex, WI 53089

Phone No: (262) 932-2100

Sales Contact: Gordie Hoeft

Prepared By: Pete Pronold

Item	Quan.	Description	Unit Price	Total
1	6	Replacement Auma SAR07.6-26B/GS63.3/AC01.2 electric actuator for use with Filter 1-6 rate of flow 12" Bray 30 butterfly valve. Dorner automation tags are 32436, 32437, 32438, 32439, 32440, 32441, Auma SO A02-6436. Pricing includes (2) two Dorner Service Technicians to remove existing actuators and install new actuators as described above. NOTE: All field wiring is by others.	\$ 7,682	\$ 46,091
		Auma electric actuator with features below		
		Modulating service		
		460/60/3 power		
		Six programmable relays		
		Space heater in switch compartment		
		Side mounted handwheel override		
		Aumatic controls including solid state starters, power supply, phase discriminator, local control station, 20 X 4 character LED display		
		Positioner - 4-20 ma input signal		
		24 VDC control voltage		
		MWG position transmitter		
		Double seal terminal compartment		
		60 second speed of operation		
		GS63.3 gearbox with indicator		
		NEMA 6P enclosure		
		Total		\$ 46,091

Notes: Prices quoted are FOB Factory with freight pre-pay & add. Quote valid for 30 days. Any applicable taxes are not included in the above pricing. Delivery times are estimated and are not guaranteed.