

MEMORANDUM

Date: April 15, 2025

To: Joe Trueblood, Superintendent

From: Bill Swearingen, Operations Supervisor

Subject: Replacement of Backwash Basin Electric Actuators

I am recommending and requesting approval for the replacement of two electric actuators that control the influent and decant valves for the backwash basin. These actuators were originally installed in 1998 and play a critical role in managing flow between the backwash basin and the sludge holding tank through the SCADA system.

In 2024, the actuator responsible for controlling the recycling rate of flow was replaced due to recurring issues. Given the age and condition of the remaining actuators, I propose their replacement to ensure continued system performance and avoid unplanned outages.

The proposal includes:

- Two (2) Auma electric actuators
- Programming
- Startup and commissioning services

2025 Budget Allocation: \$25,000.00

Proposed Project Cost: \$13,120.00

Item	Unit Cost	Total Cost
(2) Auma Electric Actuators	\$5,685	\$11,370
Service/Startup/Commissioning	\$1,750	\$1,750
Total		\$13,120

DORNER QUOTATION

To: Sheboygan Water
Attn: Andrew Wellman
Ref: Auma Actuators

Date: 3/12/2025
Proposal No: Q654aush
Page: one of one
Industry Code: 9999

FOB: Factory
Terms: N30
Delivery: 10-12 Weeks

Make Order To: Dorner Company
N61 W23043 Silver Spring Dr.
Sussex, WI 53089
Phone No: (262) 932-2100 ext. 4117
Fax No: (262) 932-2101
Sales Contact: Gordie Hoeft
Prepared By: Stenz

Item	Quan.	Description	Unit Price	Total
1	2	REPLACEMENT ACTUATORS FOR SN/: 1416UD00132/9815013/9815014 AUMA SA10.2/AC01.2 MULTI-TURN ACTUATOR, 88 FT-LB OUTPUT TORQUE, ON/OFF DUTY, 480 VAC MAIN POWER, 15 MINUTE DUTY MOTOR, 13 RPM OUTPUT SPEED, FA10 MOUNTING FLANGE, AC01.2 CONTROL HEAD, MWG CONTROL WITH 4-20 mA INPUT AND OUTPUT, (6) OUTPUT RELAYS (RATED FOR 250VAC), 115VAC AUX INTERNALLY SUPPLIED OUTPUT VOLTAGE, 24 VDC INTERNAL CONTROL VOLTAGE, INTERNAL HEATER, DOUBLE SEAL ON ELECTRICAL CONNECTION, INCLUDES 20 MM DRIVE BUSHING TO MOUNT TO GEARBOX	\$ 5,685	\$ 11,370
1	1	SERVICE TRIP ONE TECH TO REMOVE OLD ACTUATORS AND INSTALL NEW ONES. TECH WILL STARTUP AND COMMISSION ACTUATORS ONCE INSTALLED NOTE: ANY WIRING CHANGES NOT RESPONSIBILITY OF DORNER	\$ 1,750	\$ 1,750
Total				\$ 13,120

Notes: Prices quoted are FOB Factory with freight pre-pay + add. Quote valid for 30 days. Delivery times are estimated and are not guaranteed.