

## STAFF REPORT

**TO:** SMVWCD Board of Directors  
**FROM:** Carol Thomas-Keefer, Interim General Manager  
**DATE:** January 23, 2024  
**RE:** Proposed Maintenance for Dam Gate Controls

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### **Background:**

Equipment to control and monitor the gates at Twitchell Dam are antiquated and partially inoperable. Accurate and effective control of these gates is essential, as one set of gates controls debris and the next set regulates water flow. Considering the potential need for flood control operations during the winter season, timely repair and replacement of the control and monitoring equipment is imperative.

Members of the Twitchell Operations Committee have obtained estimates for replacing and upgrading equipment including the programmable logic controller(s), encoders and other hardware; additionally, an estimate was obtained to repair or modify the mounts for the encoders. Griesemer Technologies, or G Tech, has proposed a cost of \$9,103.28 for the equipment, engineering and installation; Santa Maria Tool, Inc., has proposed to repair or modify the encoder mounts as needed at a cost of \$5,400.00.

The proposed work – in particular, the selection, installation and programming of controls – is very specialized and should be considered professional services. Additionally, since G Tech has performed this type of work for the district in the past and is familiar with the facilities and operational needs, this vendor should be considered the sole source for this work at this time. The modification of the mounts will be done subject to G Tech's specifications and may also be sole sourced as part of the required upgrade. Sufficient funds for this work are available within the Fixed Assets: Structure/Structural Improvement line item of the budget.

**Recommendation:**

Staff recommends that the Board consider approval of the proposals for upgrades and repairs to the Twitchell Dam gate controls and monitoring system, at a total cost of \$14,503,28.

**Attachments:**

- Estimate from Griesemer Technologies
- Estimate from Santa Maria Tool, Inc.

## Griesemer Technologies

1125 E Clark Ave, Ste A2  
Santa Maria, CA 93455 US  
805-979-9897  
Accounts@GTech.tech  
www.GTech.tech



## Estimate

ADDRESS	SHIP TO	ESTIMATE	1058
SMVWCD	SMVWCD	DATE	01/18/2024
PO BOX 364	PO BOX 364		
Santa Maria	Santa Maria		
CA	CA		
93456	93456		
United States	United States		

DATE	ACTIVITY	QTY	RATE	AMOUNT
	Sales - Parts/Materials IO-Link Master, (2) ifm Rotary Encoders, PLC, Network Switch, MISC Cabling (outdoor rated Ethernet for full height of shaft house), MISC Hardware, CFE: Utilizing existing power supply and power cabling at this time.		3,867.66	3,867.66T
	Services (General) Engineering/Installation hours for design, code, install, test, and drawing package delivered as PDF		4,897.20	4,897.20

Thank you for your business.

SUBTOTAL	8,764.86
TAX	338.42
<b>TOTAL</b>	<b>\$9,103.28</b>

Accepted By

Accepted Date

SINCE 1937



**SANTA MARIA TOOL, INC.**

P. O. BOX 981  
SANTA MARIA, CA 93456

Phone # (805) 925-2126      theoffice@santamariatool.com  
Fax #

# Estimate

**Estimate Date:** 1/19/2024

**Estimate #:** 19149

P.O. Number

Bill To:
SANTA MARIA VALLEY WATER CONSERV. DIST. PO BOX 364 SANTA MARIA, CA 93458

**Estimates are valid for 24 hours**

Description	Type	Est. Hours/Qty	Rate	Total
REPAIR AND/OR MODIFY ENCODER MOUNTS AS NEEDED ***NOT INCLUDED APPLICABLE TAX***			5,400.00	5,400.00
			<b>Sales Tax (8.75%)</b>	\$0.00
			<b>Total</b>	\$5,400.00