

Weekly Water Report	As of: Jan. 16, 2023	As of: Jan. 23, 2023	
<b>New Hogan (NHG) TOC</b>	<b>152,100</b>	<b>152,100</b>	<b>AF</b>
Storage:	226,173	202,531	AF
Net Storage Change:	+56,141	-23,642	AF
Inflow:	12,338	1,627	CFS
Release:	2,888	4,446	CFS
<b>New Melones (NML) Allocation</b>	<b>0</b>	<b>0</b>	<b>AF</b>
Storage:	902,998	952,753	AF
Net Storage change:	+113,142	+49,755	AF
Inflow:	10,526	2,783	CFS
Release:	36	90	CFS
<b>Source: CDEC Daily Reports</b>			

<b>Goodwin Diversion (GDW)</b>			
Inflow (Tulloch Dam):	3,008	206	CFS
Release to Stanislaus River (S-98):	1,900	403	CFS
Release to OID (JT Main):	0	0	CFS
Release to SSJID (SO Main):	0	0	CFS
Release to SEWD:	<u>0</u>	<u>0</u>	CFS
Total Release	1,900	403	CFS
<b>Source: Tri-Dam Operations Daily Report</b>			
<b>Farmington Dam (FRM)</b>			
Diverted to SEWD:	N/A	N/A	CFS
Diverted to CSJWCD:	0	0	CFS
<b>Source: USACE WCDS Hourly Report</b>			

<b>Surface Water Used</b>			
Irrigators on New Hogan:	0	0	
Irrigators on New Melones:	0	0	
Out-Of-District Irrigators:	0	0	
DJWWTP Production:	22	24	MGD
North Stockton:	0	0	MGD
South Stockton:	4	2	MGD
Cal Water:	22	21	MGD
City of Stockton DWSP Production:	11	12	MGD

<b>District Ground Water Extraction</b>			
74-01	0	0	GPM
74-02	0	0	GPM
North	0	0	GPM
South	1,906	1,785	GPM
Extraction Well # 1	<u>3,140</u>	<u>3,150</u>	GPM
Total Well Water Extraction	5,046	4,935	GPM
Total Ground Water Production	7	7	MGD

**Note: All flow data reported here is preliminary and subject to revision.**

# Memorandum

**To:** Board of Directors  
**From:** Justin Hopkins – General Manager  
Juan Vega – Assistant General Manager  
Darrel Evensen – District Engineer  
**Date:** 1/24/2023  
**Re:** Agreement Amendment for Emergency Flood Damage Repair on the Upper Farmington Canal

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## **Background**

The Stockton East Water District (District) Board of Directors (Board) approved a Construction Services Agreement (CSA) with K.W. Emerson, Inc. at the November 22, 2022 Board meeting for the Tunnel Outlet Flume Meter Project (Project). The CSA included lining of the Upper Farmington Canal from the Tunnel Outlet to the Measurement Access Bridge. The Board approved budget is \$364,000 and the CSA amount is \$145,740, plus a 10% contingency, for a total cost of \$160,314.

The recent extraordinary rainfall this month caused a 48-inch diameter stormwater drain pipe blowout near the Tunnel Outlet. The extent of the damage is unknown and the repairs may require cutting into the canal as the pipe drains water from the upside of the canal to the downside.



Figure 1. Flood Damage to the Stormwater Pipeline Under the Upper Farmington Canal at the Tunnel Outlet

## **Summary**

The recent storm-related flooding experienced throughout California has damaged a number of District facilities. One of the worst damages is at the Tunnel Outlet and start of the Upper Farmington Canal that brings source water to the District's water treatment plant for the city of Stockton drinking water. The amount of stormwater flooding blew out several sections of a 48-inch corrugated metal pipe (CMP) and portions of the surrounding Upper Farmington Canal embankment as seen in Figure 1.

The high precipitation events make it likely that the District will receive an allocation from its Central Valley Project (CVP) contract with the United States Bureau of Reclamation (USBR). The timeline for the announcement of the allocation is unpredictable, and as such staff believes it is imperative to fully assess and repair the damage in time to be able to take water from the New Melones System.

Given the limited time-frame of the repair work, staff determined that engaging K.W. Emerson, Inc. for the repair via a contract amendment instead of getting 3 separate quotes from firms will better serve the Districts needs. K.W. Emerson submitted an estimate based on current information for repairs of \$120,000.

## **Financial Impact**

Approving the amendment to the contract with K.W. Emerson, Inc. for \$120,000, plus a 40% contingency of \$48,000 for any additional unforeseen work, totaling an **amendment of \$168,000** would bring the amended contract total to \$260,314. Contingency for this particular repair has been set at a higher percentage due to the difficulty of determining the full extent of the damage, and the urgency of the work. The District expects reimbursement from CalOES/FEMA as part of flood repair projects that the District is to complete. The total amount of the amended contract will still be below the budgeted amount of \$364,000.

## **Recommendations**

District staff recommends the Board authorize the General Manager to approve an amendment to the Construction Services Agreement with K.W. Emerson, Inc., for a revised not to exceed cost of \$265,740, plus a combined contingency for any additional unforeseen work of \$62,574, for a total of \$328,314.