



Twitchell Dam Project Update

***California Severe Winter Storms,
Flooding, Landslides, and Mudslides
(DR-4683 & DR-4699)***

October 19, 2023

Financial Summary

The below tables outline the current financial landscape of the Twitchell Dam emergency efforts in response to DR-4683 and DR-4699.

Vegetative Debris Removal

Contractor	Invoice #	Invoice Period	Scope	Amount	Disaster
MSL	CAT A - Vegetative Debris - 6	04.11.23 - 04.13.23	Debris Removal & Disposal Costs	\$17,324.50	4699
MSL	CAT A - Vegetative Debris - 7	04.17.23 - 04.25.23	Debris Removal & Disposal Costs	\$33,613.41	4699
Total				\$50,937.91	

Reservoir Pumping Efforts

Contractor	Invoice #	Invoice Period	Scope	Amount	Disaster
MSL	1001	01.16.23 - 02.25.23	Mobilization, Temporary Storage Facility	\$14,858,798.35	4683
MSL	1001S	01.16.23 - 02.25.23	Mobilization, Equipment, Per Diem, Labor	\$379,512.89	4683
MSL	1002	02.26.23 - 05.26.23	Mobilization, Equipment, Per Diem, Labor	\$10,534,785.06	4699
MSL	1003	07.10.23 - 08.27.23	Demobilization, Equipment, Per Diem, Labor	\$737,308.36	4699
Total				\$26,510,404.66	

Administrative

Contractor	Invoice #	Invoice Period	Scope	Amount	Disaster
Synergy	1516	01.19.23 - 02.25.23	Planning	\$183,405.12	
Synergy	1517	01.19.23 - 02.25.23	Mobilization	\$110,975.83	
Synergy	1549	02.26.23 - 03.31.23	Field Oversight	\$217,606.31	4699
Total				\$511,987.26	

Other Costs

Contractor	Invoice #	Invoice Period	Scope	Amount	Disaster
ROC Sciences*	TBD	TBD	TBD	\$3,800,000.00	
HORNE	001 2023.07	07.01.23 - 07.31.23	Grant Assistance	\$27,625.00	
HORNE	002 2023.08	08.01.23 - 08.31.23	Grant Assistance, LIDAR	\$48,913.00	
HORNE*	003 2023.09	09.01.23 - 09.30.23	Grant Assistance	\$18,000.00	
Total				\$3,894,538.00	

Total Costs Incurred \$30,967,867.83

* Costs have not yet been billed to SMVWCD.

Key Dates

DR-4683 INCIDENT PERIOD: Dec 27, 2022 - Jan 31, 2023

DR-4683 DECLARATION DATE: Jan 14, 2023

DR-4699 INCIDENT PERIOD: Feb 21, 2023 - Continuing

DR-4699 DECLARATION DATE: Feb 21, 2023 - Continuing

DR-4683 END OF 100% REIMBURSEMENT PERIOD: Feb 25, 2023


DR-4699 DECLARATION DATE: Apr 3, 2023

DR-4683 EMERGENCY WORK ACTIVITY COMPLETION DEADLINE: Jul 14, 2023

DR-4683 PERMANENT WORK ACTIVITY COMPLETION DEADLINE: Jul 14, 2024

DR-4699 FEMA SITE VISIT: Sept 21, 2023

DR-4699 FEMA SITE VISIT: Oct 4, 2023

 DR-4683

 DR-4699

Key Status Updates

- **GRANTS PORTAL**

- Category A
 - DR-4699 – Sent Back for Rework (Procurement Policy).
- Category B
 - DR-4683 – Denied via Letter on 10/16.
 - DR-4699 – Pending Program Delivery Manager (PDMG) Application Review.
- Category D
 - Water-based Sediment Removal – Pending Scope Survey.
 - Other Permanent Work – Pending Application Submittal.

- **ONSITE VISIT - 10/4/2023**

- HORNE participated in an onsite visit with the District, FEMA, and CalOES.
- Reviewed the Damage Inventory within reason (Keyhole, mini grand canyon, general erosion, SCADA system, etc.).

- **USACE & BUREAU OF RECLAMATION CALL - 10/13/2023**

- HORNE participated in a call with FEMA, USACE, Bureau of Reclamation, and the District, organized by FEMA on 10/13. CalOES was not present on the call.
- Discussed timeline leading up to the disasters and management of water release, as well as historical context of the dam and the role that both USACE and the Bureau of Reclamation has on current operations.
- Highlighted the concern of the District to minimize damage to downstream levees and improved property by releasing water too quickly.
- Discussed the daily/regular coordination phone calls that began in March 2023 and ended in May 2023 between the District, USACE, Bureau of Reclamation, and local governmental entities once the water level encroached then reached the level of the flood pool.

- **NEXT STEPS SUMMARY**

- Once Sediment Removal project Scope of Work document is approved, we will create similar packages for the additional Category D projects (Keyhole, Gate House, Intake Structure, etc.).
 - For items such as the Intake Structure that are obstructed by current sediment levels, the scope document will be finalized once sediment is removed to a level in which we can fully assess the damage.