



Twitchell Dam Project Update

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

August 10, 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	23Twitch - Cat A	01.16.23 - 02.25.23	Mobilization, Temporary Storage Facility	\$10,568,953.43	4683
MSL	23Twitch - Cat B-4	01.16.23 - 02.25.23	Mobilization, Equipment, Per Diem, Labor	\$4,289,844.92	4683
MSL	24Twitch - Cat A2	02.26.23 - 03.18.23	Mobilization, Equipment, Per Diem, Labor	\$3,132,592.62	4699
MSL	23Twitch - Cat B-5	02.26.23 - 03.18.23	Demobilization, Equipment, Per Diem, Labor	\$2,491,459.96	4699
MSL	24Twitch - Cat A3	03.19.23 - 03.25.23	Mobilization	\$1,044,197.54	4699
MSL	23Twitch - Cat B-6	03.19.23 - 03.25.23	Equipment, Per Diem, Labor	\$408,042.13	4699
MSL	23Twitch - Cat B-7	03.27.23 - 04.01.23	Equipment, Per Diem, Labor	\$180,946.45	4699
Total				\$22,116,037.05	

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	
MSL**	24Twitch - Cat A4	03.27.23 - 04.01.23	Mobilization	\$1,044,197.54	
HORNE*	TBD	07.06.23 - 08.08.23	Grant Assistance	\$23,221.01	
Total				\$4,867,418.55	

Total Costs Incurred \$27,546,380.77

* Costs have not yet been billed to SMVWCD.

** Per previous discussions with contractor, mobilization activities ceased prior to the invoice period of this invoice.

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-4683

 DR-4699

Grants Portal Status

- **CATEGORY A – DEBRIS REMOVAL**

- Due to debris being removed after the second flooding event occurring, FEMA requested the district to move this project to DR-4699.
 - This was completed on 8/4/2023. Pending FEMA review and obligation.

- **CATEGORY B – EMERGENCY PROTECTIVE MEASURES**

- FEMA Site Inspection was scheduled to occur on 8/1/2023. FEMA cancelled inspection due to unavailable USACE staff.
- Followed up on 8/7/2023 for rescheduling information and FEMA has stated they are waiting for all staff to return. No estimated date was provided.
- New Category B project created on 8/4/2023 for DR-4699 for \$7,474,845.01 to cover pumping operations that took place after the 2/25/2023 cutoff.
 - Pending FEMA review and obligation.

- **CATEGORY D – SEDIMENT REMOVAL**

- During 8/1/23 on site visit to the district office, we obtained partial supporting documentation from district binders to support sediment removal in 2013.
- Prepared list of documents still needing to be obtained and provided to district CPA for research.
 - Supporting documentation, which is expected to be:
 - Pre-disaster sediment levels - to be finalized during 8/12/2023 LiDAR operations.
 - Maintenance plan and records.

- **NEXT STEPS SUMMARY**

- MSL invoices need to be resubmitted to SMVWCD to properly silo costs under each project.
- Obtain and compile maintenance records to support continued maintenance efforts.
- Second round of LIDAR to document change from 4683 to 4699 has been scheduled to start on Saturday morning, 8/12/2023. With this study, LiDAR America will pull the data points from the top of the trash rack and be able to calculate a sediment quantity of their last LiDAR study from February 2023 so we know how much sediment can be attributed to 4683 and to 4699 (difference between the 2 studies).
- Develop Scope of Work document including a calculation that outlines volume of sediment pre- and post-disaster for each declaration.



HORNE