

Keith Hadick, President (Division 3)
Randy Sharer, Vice President (Division 7)
Andrew Adam, Secretary (Division 2)
Casey Conrad, Director (Division 6)
Ramon Elias, Director (Division 1)
Gerald Mahoney, Director (Division 4)
Vacant (Division 5)



**SANTA MARIA VALLEY WATER CONSERVATION DISTRICT
BOARD OF DIRECTORS
REGULAR MEETING**

September 17, 2026 – 6:30 p.m.

2255 S. Broadway, Ste. 8E, Santa Maria, California

Members of the Public may also join the meeting via Zoom:

<https://us06web.zoom.us/j/86584405870?pwd=UilmhXu28fREgvoo3ceYT9ZUqVN15v.1>

Meeting ID: 865 8440 5870

Passcode: 156995

AGENDA

1. CALL TO ORDER

- a. Roll Call
- b. Pledge of Allegiance

2. PUBLIC COMMENT

*Members of the public may address the Board on any subject within the jurisdiction of the Board and which is **not** on the agenda for Regular Meetings or that **is** on the agenda for Special Meetings. The public is encouraged to work through District staff to place items on the agenda for Board consideration. No action can be taken on matters not listed on the agenda. Comments are limited to five (5) minutes.*

3. ADDITIONS TO/APPROVAL OF AGENDA

Items may be added to the agenda in accordance with Section 54954.2(b) of the Government Code, upon a determination by a two-thirds vote of the members of the legislative body present at the meeting, or, if less than two thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the District after the Agenda was posted.

Recommended Action: Motion to approve Agenda as published.

4. CONSENT CALENDAR

Items on the Consent Calendar are routine items that come before the Board of Directors on a regular basis. Unless a Director or member of the public requests separate discussion/action on an item, all items on the Consent Calendar will be considered for approval on one motion.

- a. **Approval of Minutes** – Regular Meeting of August 20, 2026
- b. **Approval of Minutes** – Special Meeting of August 20, 2026

5. CONSIDER APPROVAL OF SHAFT HOUSE LIGHTING/ELECTRICAL - ADDITIONAL WORK

Recommended Action: Motion to approve estimate from PC Mechanical for approximately \$10,000 for additional shaft house electrical work

6. CONSIDER APPROVAL OF PROPOSAL FOR LIDAR SURVEY

Recommended Action: Motion to approve ESE/staff recommendation for LiDAR survey proposal

7. REPORTS AND INFORMATION

a. Report on Operations at Twitchell Dam

The Board of Directors will hear a report on dam conditions.

b. Twitchell Operations Committee (TOC) – Interim General Manager

The Board of Directors will hear an update from the TOC on operational aspects and maintenance activities at Twitchell Dam.

c. Engineering, Safety and Environmental Committee – Interim General Manager

The Board will hear a report on the status of engineering, safety and environmental projects.

d. Financial Committee -- Casey Conrad, Chair

i. Review of August Financial Reports by the District's CPA, Carrie Troup.

Recommended Action: Motion to receive and file financial report(s)

8. DIRECTOR & STAFF REPORTS

a. General Manager's Report

The interim General Manager will report on new or pending District matters and activities.

b. District Counsel Report

District Counsel will report on any relevant legal matters that may impact the District.

c. Director Reports

Directors will report on any events or items of note concerning their Division/the District during the prior month, if any. Directors may also request placement of items on future agendas for Board consideration.

9. NEXT MEETING: October 15, 2026

10. ADJOURNMENT

Upon request, agendas can be made available in appropriate alternative formats to persons with disabilities, as required by section 202 of the Americans with Disabilities Act of 1990. Any person with a disability who requires a modification or accommodation in order to observe and participate in a meeting should direct such a request to the District Office at (805) 925-5212 at least 48 hours before the meeting, if possible.

POSTED/PUBLISHED: September 14, 2026

Keith Hadick, President (Division 3)
Randy Sharer, Vice President (Division 7)
Andrew Adam, Secretary (Division 2)
Casey Conrad, Director (Division 6)
Ramon Elias, Director (Division 1)
Gerald Mahoney, Director (Division 4)
Vacant (Division 5)



**SANTA MARIA VALLEY WATER CONSERVATION DISTRICT
BOARD OF DIRECTORS
REGULAR MEETING MINUTES – August 20, 2026
2255 S. Broadway, Ste. 8E, Santa Maria, California**

1. CALL TO ORDER: With a quorum present, the meeting was called to order at 6:30 p.m.

a. Roll Call: Present were Directors Adam, Conrad, Elias, Hadick, Mahoney and Sharer. Also present were Michael Miller, John Harris, Josh Noble; Carrie Troup, CPA; District Counsel Keith Lemieux; Interim General Manager Carol Thomas-Keefer, and Dam Tender Rogelio Alejandre.

b. Pledge of Allegiance: President Hadick led the Pledge of Allegiance.

2. PUBLIC COMMENT: None

3. ADDITIONS TO/APPROVAL OF AGENDA: On motion by Director Adam and seconded by Director Elias, the agenda was approved as presented. Motion carried: 6-0-0-1.

4. CONSENT CALENDAR:

- a. Approval of Minutes – Regular Meeting of July 16, 2026
- b. Approval of Minutes – Special Meeting of July 16, 2026
- c. Approval of Minutes -- Special Meeting of August 6, 2026

On motion by Director Sharer and seconded by Director Mahoney, the Consent Calendar was approved, with a corrected typo in Item 4a. Motion carried: 6-0-0-1.

5. CONSIDERATION OF CLOUD SEEDING PROGRAM PARTICIPATION: Ms. Thomas-Keefer reported that details of the district's requested participation were not yet available, so the item would be deferred to a future meeting.

6. REPORTS AND INFORMATION

a. Report on Operations at Twitchell Dam: Dam Tender Alejandre reported that the reservoir is dry, with zero rainfall for the month and year to date. He noted that the dam tenders were continuing to perform weed control, mowing and rodent control.

b. Twitchell Operations Committee (TOC): Ms. Thomas-Keefer reported that the TOC had met on July 23 and on August 13. The July 23 meeting was dedicated to SOP updates. At the August 13 meeting, the committee received updates on maintenance activities, including the water system upgrades, hydraulic system work, and gate packing replacement. Another meeting would be held on August 27 to review EAP updates and meet with counsel regarding existing litigation. Additionally, she reported that USBR has indicated that it would like to schedule a mechanical exam for the dam in October or November.

c. Engineering, Safety and Environmental Committee: Ms. Thomas-Keefer reported that the committee met on July 21 to conduct its first internal planning workshop for the sediment removal project. The committee also met on August 4 to discuss road improvement planning and has asked Ashley and Vance to prepare a plan with budgets for \$500,000 and \$1 million for committee review. and keyhole cleanout permitting. Additionally, the committee has requested that Numeric Solutions prepare the scope of work and Request for Proposals for a new LiDAR survey. Mr. John Harris, Numeric Solutions, then presented information related to new survey needs and options to include in the scope of work, and the Board provided direction.

d. Financial Committee: Ms. Troup reviewed the July financial statements and vendor payments. On motion by Director Sharer and seconded by Director Adam, the July financial statements were received and filed. Motion carried 6-0-0-1.

Ms. Troup also reported that the direct charge data for assessments had been finalized and submitted to the two counties for inclusion on FY 2026-27 tax rolls.

7. DIRECTOR & STAFF REPORTS

a. General Manager's Report: Ms. Thomas-Keefer reported that staff continues to work with G-Tech on the cyber attack affecting the district office email. While use of the email address has been restored, some legitimate emails may have been inadvertently deleted during the clean-up. Consequently, some vendor payments may be delayed due to lost invoices. Ms. Thomas-Keefer also reported that she will request a Personnel committee meeting in September to review and suggest revisions to the office assistant job description.

b. District Counsel Report: None.

c. Director Reports: Director Sharer noted that the General Manager's performance review was overdue and requested that it be placed on an upcoming agenda. Counsel noted that item would be discussed in closed session.

8. NEXT REGULAR MEETING: September 17, 2026

9. ADJOURNMENT: The meeting was adjourned at 7:55 p.m.

Minutes approved on _____
Keith Hadick, President
Submitted by Carol Thomas-Keefer

STAFF REPORT

TO: SMVWCD Board of Directors
FROM: Carol Thomas-Keefer, Interim General Manager
DATE: September 17, 2026
RE: Shaft House Lighting and Electrical – additional work

Background

The District's Twitchell Operations Committee (TOC) continues to work with staff to review and recommend operations and maintenance activities at Twitchell Dam. Recently, the TOC reviewed and authorized staff to move ahead with an estimate for much-needed repair and replacement of shaft house lighting facilities. The estimate was approximately \$34,800 and included replacement of all lighting and receptacles at the bottom of the shaft, up to 24 feet.

Following receipt of the original proposal, the contractor, PC Mechanical, was asked to provide an additional estimate to run conduit from the control room to the bottom of the shaft for future use and projects. The Committee determined that it would be more efficient and cost-effective to add the additional conduit now, while electrical work was already to be performed in that area.

The estimate for the additional conduit is \$9,936.06. The original electrical work was approved under the General Manager's purchase authority, but that authority is limited to \$35,000, and staff is not permitted under the District's Procurement Policy to authorize separate estimates for a single job if the total is beyond the approval authority. Consequently, the TOC and staff are requesting board approval of the additional amount of \$9,936.06 to add the extra conduit now, while technicians are onsite, for future projects.

Fiscal Impact:

The District's FY 2026-27 budget includes sufficient funding for deferred maintenance and capital improvements.

Recommendation:

The TOC and staff recommend that the Board approve the estimate for \$9,936.06 to extend the original lighting and electrical work to run additional conduit for the shaft house in preparation for future projects.

Attachments:

- Estimate from PC Mechanical for shaft house light repair and replacement
- Estimate from PC Mechanical to run additional conduit for future use

PC MECHANICAL, INC.

2803 INDUSTRIAL PKWY
SANTA MARIA, CA 93455
805-925-2888

9/15/2026 10:46:00 AM PDT

Estimate #34862

Page:1

SANTA MARIA VALLEY WATER CONSERVATION DISTRICT

P.O. BOX 364
SANTA MARIA , CA 93458

Phone: 626-590-8355

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Service Writer : SL

Vehicle : 2026 SHAFT LIGHTING REPAIRS

VIN :

Fleet #/Driver :

Created : 8/25/2026 4:40:32 PM PDT

Tag/State : /CA

Labor/Notes

Qty	Technician	Reference	Description	Unit Price	Price
56		LABOR1	ELECTRICIAN	\$145.00	\$8,120.00
TRAVEL TO RESERVOIR FOR LIGHTING REPAIRS. OPEN HATCH OVER SHAFT AND SET UP TRIPOD AND PULLEY SYSTEM FOR LOWERING EQUIPMENT. LOWER EXTENSION LADDER TO BOTTOM OF SHAFT AND ALL NECESSARY TOOLS. SET UP TEMPORARY LIGHTING AND LOCK OUT TAG OUT EXISTING 120 VOLT POWER GOING TO BOTTOM OF SHAFT. DISASSEMBLE ALL CONDUIT AND BOXES INCLUDING 6 LAMPS, 2 SINGLE GANG RECEPTACLES AND 3 LAMPS 24 FEET FROM THE FLOOR. REPLACE JUNCTION TEE WITH J BOX AND REPLACE DAMAGED LIGHT FIXTURE AT SAME LOCATION. REPLACE BOTH LAMPS WITH NEW LIGHT FIXTURES TO THE LEFT AND RIGHT OF J BOX. (ALL LIGHT FIXTURES WILL BE VAPOR TIGHT JAR) REPLACE ALL 6 LIGHT FIXTURES AND BOXES WITH NEW FIXTURES AT BOTTOM OF SHAFT. REPLACE BOTH SINGLE GANG RECEPTACLES AND BOXES. REWIRE ALL NEW FIXTURES AND RECEPTACLES WITH NUMBER 12 WIRE. TEST ALL LIGHTING AND RECEPTACLES. REMOVE ALL OLD DAMAGED EQUIPMENT FROM SHAFT FOR DISPOSAL. REMOVE ALL TOOLS AND LADDERS FROM WORK AREA AND RETURN TO PCM SHOP.					
56		LABOR1	ELECTRICIAN/HELPER	\$145.00	\$8,120.00
56		LABOR1	CONFINED SPACE HOLE WATCH	\$145.00	\$8,120.00
21		LABOR1	TRAVEL	\$145.00	\$3,045.00

Parts

Qty	Code	Reference	Description	Condition	Unit Price	Price
6	--	CHEGRF239	3/4" GRF OUTLET BOX		\$154.74	\$928.44
3	--	CHEGUAM26	3/4" GUAM COND BDY/CVR		\$170.20	\$510.60
9	--	WESTVTA15	VTA-15-30W-MCTP VAPOR TIGHT JAR		\$186.03	\$1,674.27
2	--	CHEFS2	FS-DEV BOX		\$75.75	\$151.50
2	--	CHEDS100G	SGL GANG BLANK COVER		\$42.54	\$85.08
2	--	LEVTR20W	WHT DUPLEX 20A RCPT		\$20.23	\$40.46
1	--	TB1350	1/2 TO 1 CLAMPBACK		\$103.37	\$103.37
1	--	TB1277	3/4 TO 1 PIPE STRAP		\$70.98	\$70.98
1	--	HILTI2210174	STD STUD ANCHOR 1/4 X 2 1/2		\$45.32	\$45.32
12	--	FITCPLGALV34	3/4" GALV PLUG		\$5.18	\$62.16
12	--	CHEUNY205	3/4 MALE UNION		\$74.20	\$890.40
1	--	THHN12STRBLK	BLACK #12 WIRE		\$185.92	\$185.92

Estimates are valid for 30 days



PC MECHANICAL, INC.2803 INDUSTRIAL PKWY
SANTA MARIA, CA 93455
805-925-2888

9/15/2026 10:46:00 AM PDT

Estimate #34862

Page:2

SANTA MARIA VALLEY WATER CONSERVATION DISTRICT**Vehicle: 2026 SHAFT LIGHTING REPAIRS**

Qty	Code	Reference	Description	Condition	Unit Price	Price
1	--	THHN12STRBLUE	BLUE #12 WIRE		\$185.92	\$185.92
1	--	THHN12STRRED	RED #12 WIRE		\$185.92	\$185.92
1	--	THHN12STRWHITE	WHITE #12 WIRE		\$331.65	\$331.65
1	--	IDEAL30073	ORG WIRE NUT		\$19.37	\$19.37
1	--	IDEAL30031	8 OZ ANTI OX COMP		\$40.45	\$40.45
1	TEKS	MISCSUPPLIES	FITTINGS/ROPE/LIGHTING		\$1,282.05	\$1,282.05

Labor \$27,405.00

Parts \$6,793.86

Shop Supplies \$5.00

Sales Tax City of Santa Maria -Napa @ 8.75% \$594.90

Estimate \$34,798.76**PAYMENT \$0.00****BALANCE DUE \$34,798.76**

PC MECHANICAL INC. ARD# 309435, EPA# CAL000296557, DIR# 1000033888, MCP# 264463, CONTRACTORS LIC # 675326, CA BUSINESS LIC 16293

I hereby authorize the repair work herein set forth to be done along with the necessary material and agree that you are not responsible for loss or damage to vehicle or articles left in vehicle in case of fire, theft or any other cause beyond your control. I hereby grant you and/or your employees permission to operate the vehicle herein described on streets, highways or elsewhere for the purpose of testing and/or inspection. An express garagekeeper's lien is hereby acknowledged on above vehicle to secure the amount or repairs thereto. 90 Day Warranty On Repairs.

Customer Signature _____



PC MECHANICAL, INC.

2803 INDUSTRIAL PKWY
SANTA MARIA, CA 93455
805-925-2888

9/15/2026 10:46:27 AM PDT

Estimate #34980

Page:1

SANTA MARIA VALLEY WATER CONSERVATION DISTRICT

P.O. BOX 364
SANTA MARIA, CA 93458

Phone: 626-590-8355

Fold Here

Service Writer : SL

Tag/State : /CA

Vehicle : 2026 SHAFT REPAIRS

VIN :

Fleet #/Driver :

Created : 9/15/2026 8:14:16 AM PDT

Labor/Notes

Qty	Technician	Reference	Description	Unit Price	Price
48		LABOR1	EQUIPMENT	\$145.00	\$6,960.00
INSTALL 1 INCH CONDUIT (EMT) FROM CONTROL ROOM INTO SHAFT FOLLOWING LADDER BEAMS AND CHANNEL. CONDUIT WILL END UP AT BOTTOM OF SHAFT AND WILL BE FOR FUTURE USE. INCLUDES 3 TECHS WITH HOLE WATCH.					
6		LABOR1	TRAVEL	\$145.00	\$870.00

Parts

Qty	Code	Reference	Description	Condition	Unit Price	Price
30	--	PC100ET	1" EDGE TYPE BEAM CLAMP		\$13.47	\$404.10
1	--	CONDUIT	1" GALV CONDUIT		\$1,314.56	\$1,314.56
1	-	MISC	FITTINGS/HARDWARE		\$217.95	\$217.95

Labor \$7,830.00

Parts \$1,936.61

Sales Tax City of Santa Maria -Napa @ 8.75% \$169.45

Estimate	\$9,936.06
PAYMENT	\$0.00
BALANCE DUE	\$9,936.06

PC MECHANICAL INC. ARD# 309435, EPA# CAL000296557, DIR# 1000033888, MCP# 264463, CONTRACTORS LIC # 675326, CA BUSINESS LIC 16293

I hereby authorize the repair work herein set forth to be done along with the necessary material and agree that you are not responsible for loss or damage to vehicle or articles left in vehicle in case of fire, theft or any other cause beyond your control. I hereby grant you and/or your employees permission to operate the vehicle herein described on streets, highways or elsewhere for the purpose of testing and/or inspection. An express garagekeeper's lien is hereby acknowledged on above vehicle to secure the amount or repairs thereto. 90 Day Warranty On Repairs.

Customer Signature _____

Estimates are valid for 30 days



STAFF REPORT

TO: SMVWCD Board of Directors
FROM: Carol Thomas-Keefer, Interim General Manager
DATE: September 17, 2026
RE: LiDAR Aerial Survey

Background

In accordance with USBR dam management guidelines, the District must periodically perform a survey of reservoir sedimentation and storage capacity. The last survey was performed in 2024 by LiDAR America, and a new survey is necessary to support the District's upcoming sedimentation removal project. The District's Engineering, Safety and Environmental (ESE) Committee has been coordinating consultant efforts for these activities and requested that consultant Numeric Solutions, LLC, who recently performed an analysis of sedimentation trends in Twitchell Reservoir, prepare a scope of work and issue a Request for Proposals on behalf of the District for the new LiDAR survey. The LiDAR vendors were advised that the survey would need to be conducted as soon as possible while the reservoir remains dry.

Numeric Solutions received three proposals, which the ESE committee reviewed on September 16. These proposals are summarized below, and with additional detail in the attached summary from Numeric Solutions:

Vendor:	Proposed Cost:	Mobilization Time:
LiDAR America	\$112,284	2-4 days from NTP
PRO-ROV Services (PRS)	\$245,920	4-5 days from NTP
WM Surveys, Inc	\$315,130	Oct 12

Following a review of each proposal, the ESE Committee recommended that the proposal from LiDAR America be accepted and approved. Additionally, the Committee recommends that the Board approve an amount in addition to the proposed contract price to pay for additional data requests that the District may have once the survey and report are complete. The approved contract would remain at \$112,284, and the additional budget authorization would only be used in the event that additional data files are needed for sedimentation removal planning.

Fiscal Impact:

The aerial survey is included in the FY 2026-27 budget.

Recommendation:

The ESE Committee, along with staff, recommends that the Board consider approval of the proposal from LiDAR America in the amount of \$112,284 for an aerial survey to be conducted as soon as possible. Additionally, the Committee recommends that the Board authorize an additional amount of up to \$37,716 (total project budget \$150,000) for additional data that the district **may** request following completion of the survey and report.

Attachments:

- Summary of LiDAR proposals received, prepared by Numeric Solutions LLC
- LiDAR America Proposal – September 2026

Summary of Vendor Proposals as Supplement to Official Proposal Submissions Only

Summary provided by Numeric Solutions, LLC

Refer to original proposals provided by vendors for full details

Date of Summary: 9/16/2026



LIDAR AMERICA INC.

Aerial LiDAR · Imagery · Geospatial Survey Services

*LIDAR AMERICA flew the 2024 lidar survey at Twitchell Reservoir

6.1 Base Bid - LIDAR

No.	Line Item	Unit Price	Notes
1	Aerial LiDAR Acquisition - QL0 (5 cm vertical accuracy), full AOI, single mobilization.	\$39,753.00	
2	Point Cloud Classification (Ground, Vegetation - High/Med/Low, Roads, Buildings, Bridges) per ASPRS LAS 1.2 or 1.4. DEM, DTM, Contours Generation.	\$11,655.00	
3	Ground Control Network - 25 GCPs at ≤ 2.5 cm accuracy, static GPS per Caltrans survey procedure, plus independent check points. Includes Mobilization, accommodation, per diem, materials and labor.	\$18,200.00	
4	New Permanent Monument - set and survey, dam-crest reference point (Addendum No. 1, Item 2)	<i>Included in the GCP</i>	
5	Professional Land Surveyor (PLS) Services I. Baseline Processing: NAVD88 vertical datum setup. II. Datum Transformations: Applied NCAT (superseding VERTCON) to transform Ground Control Points (GCPs) to NGVD29. III. QA/QC: Quality assurance and control for the crest benchmark, and Final datasets provided in both NAVD88 and NGVD29 datums. IV. Responsible Charge: Formal survey report and GCP/accuracy certification under Nathan Foley, PLS No. 10007.	\$10,000.00	
6	Aerial Crew Mobilization. Two aircrafts, two pilots, and two operators.	\$2,125.50	
7	Aerial Crew Accommodation. Four rooms	\$2,400.00	
8	Aerial Crew Per Diem.	\$2,400.00	
9	Aerial Crew Vehicle (Rental Car). Includes: Rental, Insurance, Fuel, Airport parking, and airport taxiway access to tie-down.	\$1,800.00	
10	Project Management.	\$3,850.00	
	Subtotal - Confirmed Base Bid Items	\$92,183.50	

Table 5. Base bid line items. Item 4 (new permanent monument) is included.

LiDAR Base Bid = \$92,183.50

See next page for aerial imagery addition and sum total

6.2 Optional Items - Aerial Imagery

Per Addendum No. 1, Item 6, orthorectified aerial imagery is now within scope. The District may select one of the two GSD options below; both are priced as optional alternates, flown as an independent mission from the LiDAR acquisition (see Section 3.4).

Line Item	Unit Price	Status
Orthorectified Aerial Imagery - 0.25 ft GSD, flown as an independent mission from LiDAR acquisition	\$17,500.00	Optional
Orthorectified Aerial Imagery - 0.20 ft GSD, flown as an independent mission from LiDAR acquisition	\$20,100.00	Optional (select one imagery resolution)

Table 6. Optional imagery line items. Select one GSD option.

Base Bid = \$92,183.50

Aerial Imagery Additional = \$17,500 or \$20,100
depending on desired resolution

Total = approx. \$112,000

Mobilization Details:

Earliest mobilization	2- 4 business days from Notice to Proceed
GCP	2- 4 business days from arrival
Target flight window	As soon as GCPs are set and weather permits - Mid-September to mid-October 2026 (per RFP)
Right-of-entry lead time requested	Minimum 2 business days for control points on private parcels. District
Mission structure	LiDAR acquisition and imagery acquisition flown as two independent missions (see Section 3.4)

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PRO-ROV SERVICES, LLC

Providing Underwater Imaging, Inspection
And Hydrographic Survey to Industry,
Science and Government

Costing

Task	Cost
Survey Control and QC (30 control and 30 check points)	\$76,650
Airborne LiDAR Acquisition	\$53,880
Processing and Deliverables Subtotal	\$54,890
Flight Hours plus 0.2ft GSD orthophoto Production	\$60,500
Total Project Cost	\$245,920

Mobilization Details:

The airborne system is available as 9/21. Ground control will be 4-5 days. Mobilization will be 1-2 days. Flight will be 1 day.

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WM SURVEYS, INC.

Justin R. Meagher, President

2747 Sherwin Avenue, Suite #12 - Ventura, CA 93003-8522

Phone (805) 677-4850 Office@WMSurveysInc.com

We will provide;

- Aerial control (x,y,z) coordinates
- Aerial lidar survey of 8,967 acres 1" =40'
- Orthophotography @ 0.25' gsd
- QLO Mapping and Reporting

Deliverables:

- AutoCad C3D with ATM CAD standards
- Cad files 1) Topo& Planimetric, 2) Surface DTM, 3) Lidar LAS
- PDF Topo Print
- Orthophoto Imagery; Tiff & Sid
- Reports PDF Aero triangulation & Lidar Calibration

Our fees will be \$315,130

Mobilization Details:

We can start the week of October 12th, I'm guessing around 10-12 days to do all the control, so we could call the plane in so they could try and match our end date. (weather permitting)

Intentionally Blank

VENDOR BID TOTALS AND APPROXIMATE MOBILIZATION DATES

VENDOR	BID TOTAL APPROX	GCP MOB DATE APPROX	FLIGHT MOB DATE APPROX
LIDAR AMERICA	\$ 112,000.00	2-4 days from notice to proceed	As soon as GCPs are set (2-4 days)
PRS	\$ 246,000.00	Pending notice to proceed	As soon as GCPs are set (4-5 days)
WMS	\$ 315,000.00	10/12/2026	10/23/2026
			*flight dates subject to weather



LIDAR AMERICA INC.

Aerial LiDAR · Imagery · Geospatial Survey Services

TECHNICAL PROPOSAL

2026 Aerial LiDAR Acquisition and Ground Control Survey

Twitchell Reservoir, Santa Barbara County, California

Submitted to	Numeric Solutions, LLC, as technical representative for the Santa Maria Valley Water Conservation District
Attention	John H. Harris, President · Josh Noble, Senior Geoscientist
Submitted by	Lidar America Inc.
Contact	Juan Beltran, CEO · 714-752-6903 · juan@lidar-america.com
RFP reference	2026 Aerial LiDAR Acquisition and Ground Control Survey, issued August 27, 2026, as amended by Addendum No. 1
Proposal date	September 10, 2026
Proposal deadline	Thursday, September 10, 2026, 5:00 PM Pacific

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1. Transmittal & Firm Overview

1.1 Introduction

Lidar America Inc. is pleased to submit this Technical Proposal to Numeric Solutions, LLC, on behalf of the Santa Maria Valley Water Conservation District (the "District"), for the 2026 Aerial LiDAR Acquisition and Ground Control Survey at Twitchell Reservoir. This proposal responds to the Request for Proposals issued August 27, 2026, the subsequent RFI response issued as Addendum No. 1, and the agreed technical points from the coordination call summarized in Addendum No. 1 (see Section 2).

Lidar America performed the District's 2024 aerial LiDAR acquisition at this same site, giving our team direct familiarity with the reservoir, access conditions, and the District's data standards. We bring that continuity, combined with fifteen years of aerial LiDAR and geospatial survey experience, to this recurring monitoring program.

1.2 Firm Qualifications

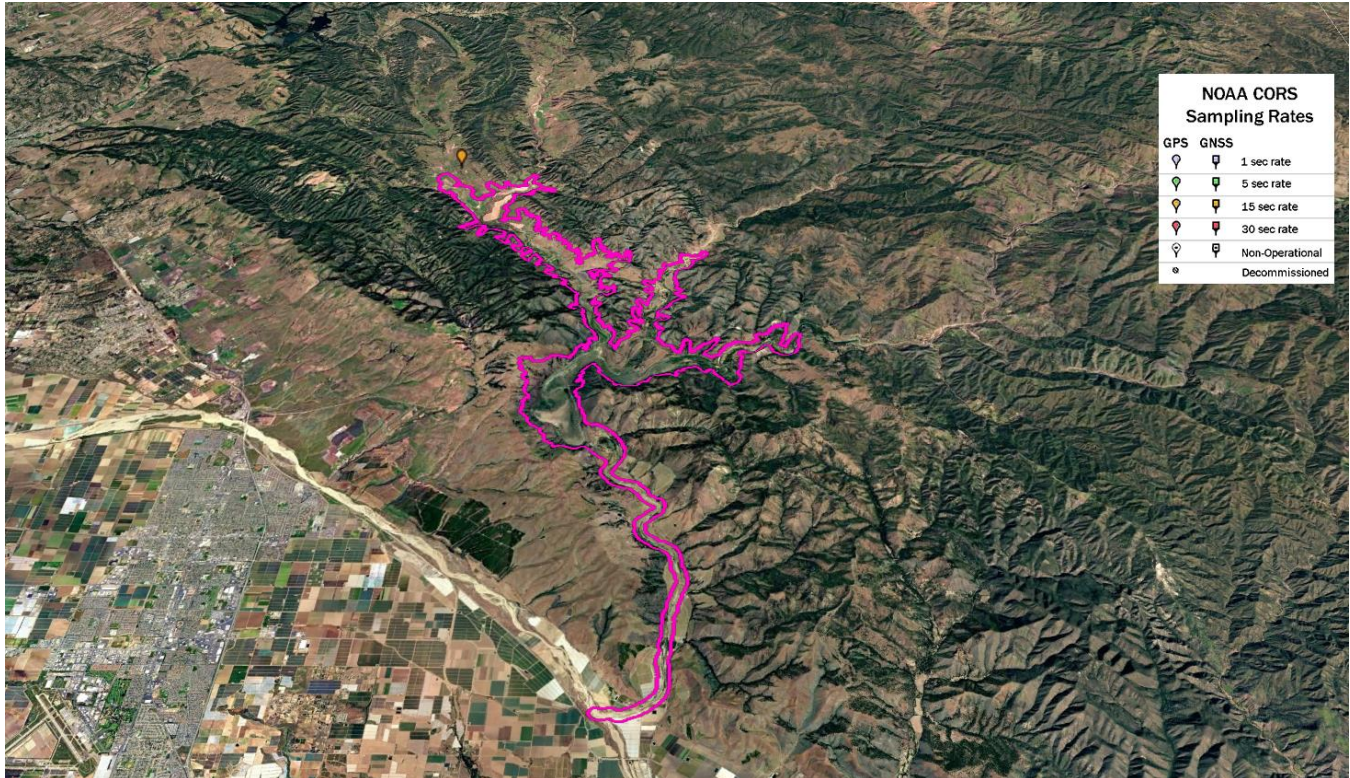
- Fifteen years of aerial LiDAR acquisition, classification, and geospatial survey experience across reservoir, river, dam, and sediment-monitoring projects.
- Direct prior experience at Twitchell Reservoir - Lidar America acquired the District's 2024 LiDAR dataset at this site.
- In-house Optech Galaxy LiDAR sensor and UltraCam Falcon metric camera, operated by a dedicated aerial crew and supported by an in-house project management and GIS processing team.
- Survey control and accuracy reporting performed under the responsible charge of a California-licensed Professional Land Surveyor.

1.3 Point of Contact

Company	Lidar America Inc.
Principal	Juan Beltran, Chief Executive Officer
Phone	714-752-6903
Email	juan@lidar-america.com

2. Understanding of Scope

The District requires a high-resolution aerial LiDAR and imagery acquisition covering the Twitchell Reservoir pool and margins, and the Cuyama River corridor downstream to the confluence with the Sisquoc River - approximately 8,967 acres in total - to support sediment accumulation and reservoir capacity analysis. Lidar America understands the scope of work to include flight planning and airspace coordination; establishment of a ground control and check point network; a single-mobilization aerial LiDAR acquisition; post-processing, calibration, classification, and quality control; production of all Section 6 deliverables in the coordinate systems required by Section 5; and a signed and stamped survey report.



Area of Interest (AOI) Map

Reservoir, upstream arms, and downstream Cuyama River corridor to the Sisquoc River confluence

2.1 Addendum No. 1 - Agreed Technical Points

This proposal is built directly on the seven points agreed during the technical coordination call between Lidar America and Numeric Solutions, memorialized as Addendum No. 1. Our approach to each point is summarized below and detailed further in Section 3.

#	Agreed Point	Lidar America Approach
1	Vertical control tie via CORS/Caltrans static GPS procedure; the required tie to NGS PID FV0943 (Q 304) is withdrawn.	Control established via CORS per Caltrans procedure; see Section 3.1. Q 304 dependency removed from Section 5 and Section 8, Item 4.
2	A new permanent monument will be set on the dam crest as a District-controlled reference point for this and future surveys.	Monument set and surveyed to the same accuracy standard as project GCPs; priced as Base Bid Item 4 (see Section 6.1).
3	Quality Level = QL0 (5 cm vertical). GCPs $\leq$ 2.5 cm accuracy, approximately 25 per the LiDAR America's distribution design. Independent check points observed and reported per ASPRS.	QL0 is the sole quality level priced in this proposal (no QL1 alternate). 25 GCPs, per Caltrans procedure; plus independent check points see Section 3.3.
4	Green laser / topobathymetric line item removed. Intent is to fly early morning while the reservoir is dry and any residual water less than 2 inches deep lies flat.	RFP Section 8, Item 3 (green laser) is withdrawn. Standard topographic LiDAR acquisition proceeds on this assumption; see Section 3.5.
5	Bathymetric contingency, if triggered, will be priced per acre for the survey work itself; return-visit mobilization, accommodation, per diem, and transportation are priced separately once the affected extent is known and authorized.	Firm per-acre rate will be provided after the LIDAR Survey; return-visit logistics quoted upon written authorization once extent is mapped from the Lidar survey. See Section 3.5 and Section 6.3.
6	Orthorectified aerial imagery (0.20- 0.25 ft GSD) is now included in scope.	Both GSD options priced as alternates (Section 6.2). Lidar America recommends flying imagery as an independent mission from LiDAR - see Section 3.4 for rationale.
7	Firm should state the earliest practical mobilization date.	Lidar America can mobilize within 2- 4 business days of executed contract and retainer deposit; see Section 5.
8	Elevation Datum Processing Options (NAVD88 / NGVD29)	Convert the GCP elevations to NGVD29 at the control stage and process two entirely separate LiDAR datasets from scratch-one for each datum. This involves double the classification and processing work, but it produces the most accurate native results for both systems.

Table 1. Addendum No. 1 agreed points and Lidar America's proposed disposition. All seven points are carried forward into the technical approach and pricing sections of this proposal.

3. Technical Approach

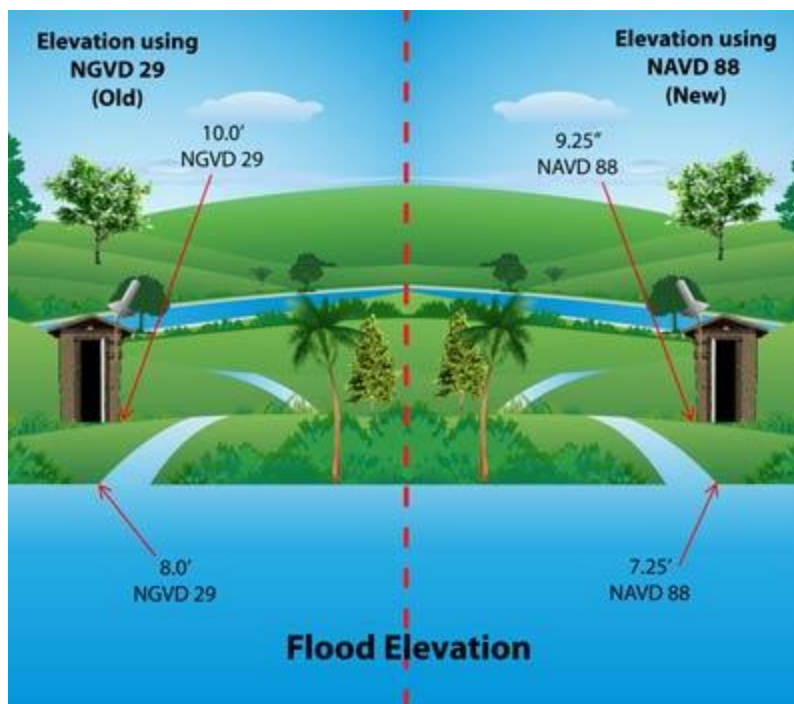
3.1 Survey Control and Vertical Datum

Per Addendum No. 1, Item 1, vertical control will be established through a CORS-based static GPS tie following Caltrans Orders of Accuracy **“5.3-1(c) Two Centimeter (0.07 ft) Network Accuracy These stations have a network accuracy (95% confidence) of 2 centimeters (0.02 meter, or 0.07 ft) or better. The Caltrans 2-cm Network Accuracy standard supersedes any references to the previous “Second Order” for GNSS surveys in other chapters of this manual.”**, in lieu of the originally specified tie to NGS PID FV0943 (Q 304). Our recommendation to move away from Q 304 was informed by a passive-mark analysis of nearby NGS benchmarks (transmitted with our RFI response): Q 304 was last recovered in 1977 with no documented accuracy, and the only nearby mark carrying documented accuracy (FV2078, 2009) meets only the QL1 vertical threshold - insufficient to support the QL0 requirement of this project.

A new permanent monument will be set and surveyed on the dam crest, in a District-controlled location, to serve as a durable local control reference for this and future District surveys (Addendum No. 1, Item 2). This monument will be tied into the same CORS-based network and surveyed to the same accuracy standard as the project ground control points.

Both required vertical surfaces - NAVD88 (primary) and NGVD29 (secondary) - will be delivered as separate, complete surfaces from a single documented adjustment, per Section 5. The geoid model used and the NAVD88-to-NGVD29 conversion method will be explicitly stated in the survey report. All deliverables will be produced in NAD83 California State Plane Zone V (EPSG/WKID 2229), US survey feet, with PRJ files accompanying every dataset.

A documented comparison against Benchmark at the dam crest NCAT that superseded VERTCON will be included in the survey report, carried within the base bid (RFP Section 8, Item 5).



NAVD88 Vs NGVD29

Dual Vertical Datum Production — NAVD88 and NGVD29

Section 5 requires NAVD88 and NGVD29 to be delivered as two separate, complete surfaces from a single documented adjustment - not as a note or a computed offset applied after the fact. Because the NAVD88-to-NGVD29 relationship is a spatially varying, geoid-based conversion rather than a constant shift, the two surfaces cannot be derived from one another after the fact; each must be independently produced and independently verified. In practice, this requirement carries the production effort of two full LiDAR projects over the same 8,967-acre AOI:

- GCP and check-point baseline processing - the static GPS control network is adjusted and computed independently to NAVD88 and then convert to NGVD29.
- LiDAR point cloud calibration and strip adjustment - boresight and strip alignment are finalized against each vertical control network separately, producing two independently adjusted point clouds.
- Classification - ground, vegetation, roads, buildings, bridges, Class 9 water tagging, and hydro-breakline placement are performed and QA'd on both the NAVD88 and NGVD29 point clouds, since hydro-flattened elevations and breakline placement can shift differently between the two datums.
- Bare-earth DEM production - two full 1 ft GeoTIFF DEMs are gridded, reviewed, and QA'd, one per datum.
- Hydro-enforced DTM production - two full hydro-enforced DTM surfaces are built and validated where required.
- One-foot contour generation - two independent contour sets (Shapefile and DWG) are generated, since contour elevations and shapes are datum-specific.
- Water and void-extent layer validation - mapped void and water polygons are checked against both surfaces to confirm consistent hydro-flattening treatment.
- Accuracy assessment and QC - independent accuracy verification against check points is performed twice, once per datum surface, each meeting the QL0 (5 cm) standard.
- Survey report and PLS certification - the signed and stamped survey report documents the geoid model, conversion methodology, and achieved accuracy for both surfaces - effectively two accuracy certifications under one stamp.
- Deliverable packaging, metadata, and QA - two full sets of GIS-native and CAD deliverables (LAS, DEM, DTM, contours, PRJ files) are produced, catalogued, and quality-checked for delivery.

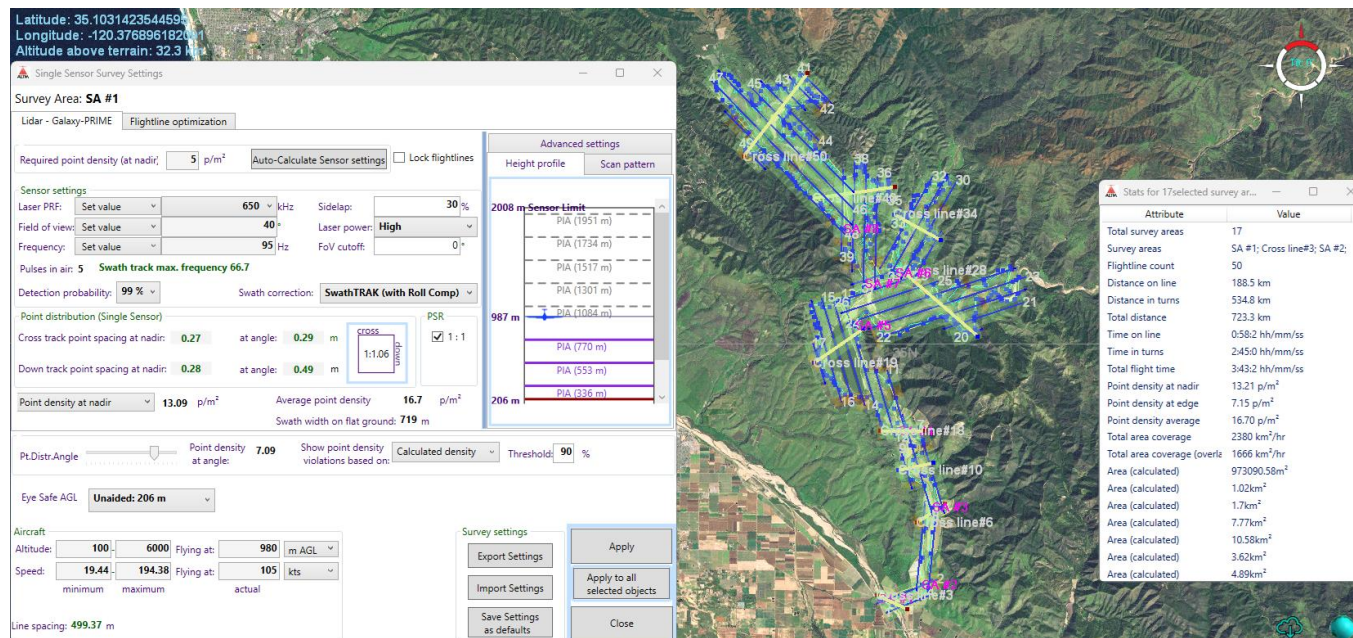
This dual-surface requirement, not a simple relabeling exercise, is the basis for the pricing in Section 6, particularly Items 1 through 3.

3.2 LiDAR Acquisition

LiDAR acquisition will be performed with our in-house Optech Galaxy sensor, flown to achieve QL0 (5 cm vertical accuracy) across the full 8,967-acre AOI in a single mobilization, consistent with the RFP's single-mobilization requirement.

Parameter	Value
Sensor	Optech Galaxy
Pulse Repetition Frequency (PRF)	650 kHz
Field of View (FOV)	40°
Scan Frequency	95 Hz
Sidelap	30%
Swath Correction	On
Point Density at Nadir	13.09 pts/m ²
Target Quality Level	QL0 (5 cm vertical accuracy)

Table 2. Planned LiDAR sensor and mission parameters. As-flown parameters will be reported in the final survey report, per Section 4.



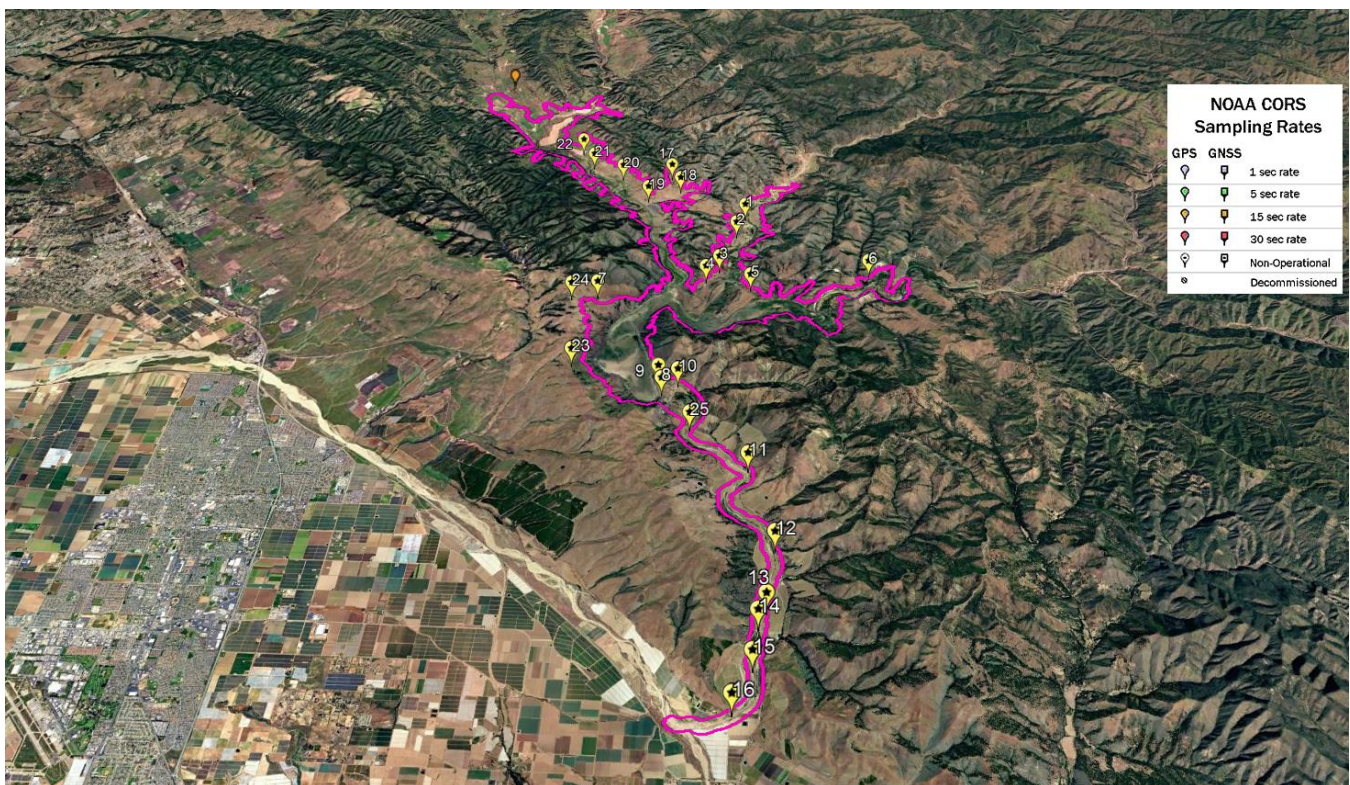
LiDAR Flight Plan

Planned Optech Galaxy flight lines over the full AOI

3.3 Ground Control and Independent Check Points

Lidar America will establish 25 ground control points (GCPs) within the AOI, surveyed to ≤ 2.5 cm accuracy via static GPS per Caltrans procedure, consistent with the 50 percent rule relative to the QL0 vertical accuracy specification. An independent set of check points - not used in the LiDAR calibration or adjustment - will also be observed and reported separately, per ASPRS accuracy-reporting practice. As an initial planning estimate, we anticipate approximately 5 independent check points (roughly 20 percent of the GCP count); the final count and distribution will be confirmed with Numeric Solutions prior to mobilization and reflected in the final GCP/check-point distribution plan.

Because the AOI crosses private property upstream and downstream of the dam, Lidar America requests a minimum of 2 business days' advance notice to allow the District to secure right-of-entry for control points on affected parcels.



GCPs

Planned GCPs over the full AOI

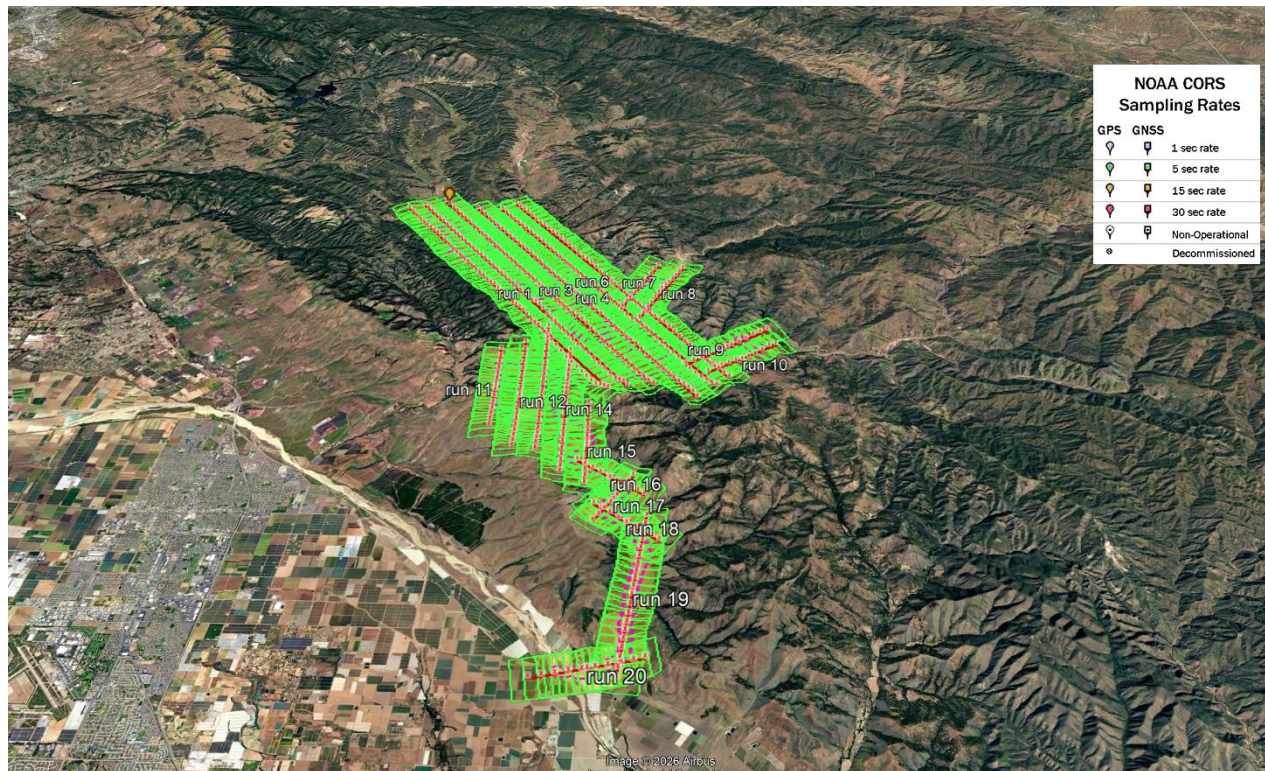
3.4 Aerial Imagery Acquisition

Orthorectified aerial imagery will be captured with our in-house UltraCam Falcon metric camera, at the District's choice of 0.25 ft or 0.20 ft GSD (both priced as alternates in Section 6.2).

Parameter	Value
Camera	UltraCam Falcon
Focal Length	100.00 mm
Lateral Overlap (Sidelap)	30%
Forward Overlap	60%
Total Flight Lines	20

Table 3. Planned imagery sensor and mission parameters.

Recommendation - separate imagery mission. The RFP baseline contemplates imagery flown concurrently with LiDAR. Lidar America recommends flying imagery as an independent mission from the LiDAR acquisition. ASPRS positional accuracy standards call for a minimum sun angle of 30° above the horizon for aerial imagery; the early-morning, low-sun-angle window best suited to a dry, glare-free LiDAR pass over the reservoir bed is poorly suited to imagery, and would risk long shadows and dark, low-contrast areas in the resulting orthomosaic. Flying imagery as its own mission - either later in the morning (after 10:00 AM, allowing for adequate sun angle while remaining ahead of peak afternoon thermal winds) or on a separate day within the target flight window - preserves image quality without compromising the LiDAR acquisition's early-morning, low-water-surface timing. Pricing in Section 6.2 reflects imagery flown as a separate mission.



Imagery Flight Plan

Planned UltraCam Falcon flight lines, independent imagery mission

3.5 Standing Water and Bathymetric Contingency

Consistent with Addendum No. 1, Item 4, the green laser topobathymetric line item originally solicited in RFP Section 8, Item 3 is withdrawn. The LiDAR mission is planned for an early-morning flight during the seasonal window of minimum standing water, when the reservoir bed is expected to be dry or, at most, covered by very shallow (less than 2 inches deep), calm water that behaves optically like the surrounding ground surface and does not impede topographic LiDAR returns.

Should standing water of consequential depth remain over a portion of the sediment surface at the time of flight, Lidar America will map the resulting data voids and water-affected extent as part of standard post-processing (per RFP Section 4), and will propose a conventional bathymetric survey to cover that mapped extent - by boat-based or traditional bathymetric methods, as appropriate to the mapped conditions. Per Addendum No. 1, Item 5, this bathymetric work is priced at a firm rate per acre for the survey work itself (Section 6.3); any mobilization, accommodation, per diem, and transportation associated with a return visit to complete this work will be priced separately, based on the confirmed extent, and will require the District's written authorization in advance before being incurred.

3.6 Classification and Data Processing

The classified point cloud will be delivered per ASPRS LAS specification version 1.2 or 1.4, with the following classification scheme:

- Ground (bare earth)
- Vegetation - High, Medium, and Low
- Roads
- Buildings
- Bridges
- Water

Consistent with RFP Section 4, any return originating from a water surface will be classified as Class 9 (Water) and excluded from Class 2 (Ground); no more than 1 percent of points will be demonstrably misclassified. Hydro breaklines will be digitized at the edge of standing water, with waterbodies of 2 acres or greater hydro-flattened as a level surface and the Cuyama River treated as a gradient surface with a full-length channel centerline breakline. Data voids and water-affected areas will be delivered as a mapped polygon layer (0.01-acre minimum mapped unit), with no interpolated fill introduced without explicit flagging.

3.7 Quality Control

Quality control follows a multi-stage process: in-flight sensor calibration and boresight verification; post-flight strip alignment and relative accuracy checks; ground control adjustment and absolute accuracy verification against independent check points; automated and manual classification QA with a target misclassification rate below 1 percent; and final review against ASPRS positional accuracy standards for the QLO quality level prior to delivery.

3.8 Professional Certification and Responsible Charge

Nathan Foley, PLS, California license number 10007 with Meridian, will serve as the Professional Land Surveyor of record for this project and will be in responsible charge of the ground control and check point deliverable, the survey report, and the accuracy of all delivered survey products, including the bare-earth DEM, contours, per RFP Section 4. The survey report will explicitly state that Mr. Foley's stamp attests to the achieved accuracy of all delivered products.

4. Deliverables

The table below summarizes all deliverables to be produced, consistent with RFP Section 6 and the classification and processing scheme described in Section 3.6. GIS-native formats will be provided for Numeric Solutions (ArcGIS Pro) and DWG formats for Ashley & Vance Engineering (AutoCAD), produced from the same source data with identical coordinate system and vertical datum definitions.

Deliverable	Format	Primary User	RFP Ref.
Classified LAS point cloud (QL0, ASPRS LAS 1.4)	.LAS	Both	Sec. 4, 8
Bare-earth DEM	GeoTIFF, 1 ft cell	Both	Sec. 6
Bare-earth DTM (hydro-enforced where required)	GeoTIFF, 1 ft cell	Both	Sec. 6 / Addendum 4
One-foot elevation contours with breaklines	Shapefile and DWG	Both	Sec. 6
Ground control and check points, XYZ attributes	Shapefile	Numeric Solutions	Sec. 6
Orthorectified aerial imagery (0.20- 0.25 ft GSD)	GeoTIFF	Both	Sec. 6
Water and void extent layer	Shapefile, polygon	Numeric Solutions	Sec. 6
Survey report, signed and stamped	PDF	District	Sec. 4, 6
Projection and datum definition files	PRJ, with every dataset	Both	Sec. 5, 6

Table 4. Project deliverables, formats, and primary users.

Deliverables will be provided via secure electronic download with checksums to preserve file integrity. Lidar America will confirm the estimated total data volume and proposed delivery mechanism in advance of delivery.

5. Project Schedule and Mobilization

Lidar America can mobilize within 2- 4 business days of contract executed and retainer (Addendum No. 1, Item 7), and can fly within the District's stated target flight window of mid-September to mid-October 2026, ahead of the onset of the wet season. Assuming Notice to Proceed is issued promptly following award, Lidar America anticipates readiness to fly within the same week NTP, contract, and retainer is received, subject to contract, retainer, weather, airspace coordination, and District right-of-entry approvals for control point access on private parcels downstream of the dam.

Earliest mobilization	2- 4 business days from Notice to Proceed
GCP	2- 4 business days from arrival
Target flight window	As soon as GCPs are set and weather permits - Mid-September to mid-October 2026 (per RFP)
Right-of-entry lead time requested	Minimum 2 business days for control points on private parcels. District
Mission structure	LiDAR acquisition and imagery acquisition flown as two independent missions (see Section 3.4)

6. Pricing Schedule

Pricing below is organized to mirror the RFP's Section 6 (Deliverables) and Section 8 (Additional Line Items) structure, updated to reflect the seven agreed points in Addendum No. 1. All prices are in US dollars and reflect QL0 as the sole quality level, per Addendum No. 1, Item 3.

Note on scope: because Section 5 requires NAVD88 and NGVD29 as two separate, complete surfaces rather than a computed offset, nearly every production step below - control adjustment, classification, DEM/DTM generation, contour production, and accuracy reporting - is carried out twice, once per vertical datum. See Section 3.1 for the full production basis.

6.1 Base Bid - LIDAR

No.	Line Item	Unit Price	Notes
1	Aerial LiDAR Acquisition - QL0 (5 cm vertical accuracy), full AOI, single mobilization.	\$39,753.00	
2	Point Cloud Classification (Ground, Vegetation - High/Med/Low, Roads, Buildings, Bridges) per ASPRS LAS 1.2 or 1.4. DEM, DTM, Contours Generation.	\$11,655.00	
3	Ground Control Network - 25 GCPs at ≤ 2.5 cm accuracy, static GPS per Caltrans survey procedure, plus independent check points. Includes Mobilization, accommodation, per diem, materials and labor.	\$18,200.00	
4	New Permanent Monument - set and survey, dam-crest reference point (Addendum No. 1, Item 2)	<i>Included in the GCP</i>	
5	Professional Land Surveyor (PLS) Services I. Baseline Processing: NAVD88 vertical datum setup. II. Datum Transformations: Applied NCAT (superseding VERTCON) to transform Ground Control Points (GCPs) to NGVD29. III. QA/QC: Quality assurance and control for the crest benchmark, and Final datasets provided in both NAVD88 and NGVD29 datums. IV. Responsible Charge: Formal survey report and GCP/accuracy certification under Nathan Foley, PLS No. 10007.	\$10,000.00	
6	Aerial Crew Mobilization. Two aircrafts, two pilots, and two operators.	\$2,125.50	
7	Aerial Crew Accommodation. Four rooms	\$2,400.00	
8	Aerial Crew Per Diem.	\$2,400.00	
9	Aerial Crew Vehicle (Rental Car). Includes: Rental, Insurance, Fuel, Airport parking, and airport taxiway access to tie-down.	\$1,800.00	
10	Project Management.	\$3,850.00	
	Subtotal - Confirmed Base Bid Items	\$92,183.50	

Table 5. Base bid line items. Item 4 (new permanent monument) is included.

6.2 Optional Items - Aerial Imagery

Per Addendum No. 1, Item 6, orthorectified aerial imagery is now within scope. The District may select one of the two GSD options below; both are priced as optional alternates, flown as an independent mission from the LiDAR acquisition (see Section 3.4).

Line Item	Unit Price	Status
Orthorectified Aerial Imagery - 0.25 ft GSD, flown as an independent mission from LiDAR acquisition	\$17,500.00	<i>Optional</i>
Orthorectified Aerial Imagery - 0.20 ft GSD, flown as an independent mission from LiDAR acquisition	\$20,100.00	<i>Optional (select one imagery resolution)</i>

Table 6. Optional imagery line items. Select one GSD option.

Terms

- ✓ 50% Non-refundable Retainer due for operational expenses.
- ✓ 20% payment after acquisition.
- ✓ 15% for product review.
- ✓ 15% upon delivery.
- ✓ Firm Fixed Price Contract
- ✓ Electronic payments accepted.
- ✓ This price includes all expenses related to the project, not just wages.

6.3 Bathymetric Contingency (RFP Section 8, Items 3- 6)

Consistent with Addendum No. 1, Item 5, the sequencing risk inherent in this item - the extent of any residual standing water cannot be known until after the standard LiDAR survey is flown and processed - has been resolved by pricing the contingency in two parts after the LiDAR survey: a firm per-acre rate for the bathymetric survey work itself, and a separately quoted, separately authorized cost for any return-visit mobilization, accommodation, per diem, and transportation.

RFP Ref.	Line Item	Price	Disposition
Sec. 8, Item 3	Bathymetric contingency - conventional survey, per acre (firm rate), exercised only if standing water remains at time of flight and only over an extent authorized in writing by the District	<i>TBD</i>	<i>Per acre - see Section 6.3</i>
Sec. 8, Item 4	Establishment of alternate NGS benchmark (if Q 304 deemed unrecoverable)	N/A	<i>Withdrawn per Addendum No. 1, Item 1 - CORS-based control adopted</i>
Sec. 8, Item 5	Documented comparison NCAT that superseded VERTCON	No additional cost	<i>Carried in base bid, Item 5</i>
Sec. 8, Item 6	Not-to-exceed total for bathymetric contingency (Item 3)	<i>TBD</i>	<i>To be finalized once extent is mapped - see Section 6.3</i>

Table 7. Disposition of RFP Section 8 items 3- 6. Firm per-acre and not-to-exceed pricing will be provided once finalized LiDAR Survey, in advance of contract execution; Per Acre price, and return-visit logistics will be quoted upon written District authorization once the affected extent is mapped from the standard survey.

6.4 Total Summary

Base Bid Subtotal (confirmed items)	\$92,183.50
Base Bid Item 4 - New Permanent Monument	Included
Optional - Imagery, 0.25 ft GSD	\$17,500.00 (if selected)
Optional - Imagery, 0.20 ft GSD	\$20,100.00 (if selected)
Bathymetric Contingency (per acre + return-visit logistics)	Priced upon authorization, per Section 6.3

7. Assumptions, Clarifications, and Exceptions

- Pricing reflects QL0 (5 cm vertical accuracy) as the sole quality level requested; no QL1 pricing is provided, per Addendum No. 1, Item 3.
- Vertical control will be tied via CORS per Caltrans procedure; the RFP Section 5 requirement to tie to NGS PID FV0943 (Q 304) is withdrawn per Addendum No. 1, Item 1, and RFP Section 8, Item 4 (alternate benchmark establishment) is therefore not applicable.
- RFP Section 8, Item 5 (NCAT that superseded VERTCON comparison) is included, carried within the Base Bid.
- RFP Section 8, Item 3 as originally scoped (green laser topobathymetric acquisition) is withdrawn per Addendum No. 1, Item 4, and replaced by the conventional bathymetric contingency described in Section 3.5 and priced in Section 6.3.
- The independent check point count shown in Section 3.3 (approximately 5) is a planning estimate; the final count and distribution will be confirmed with Numeric Solutions prior to mobilization.
- Pricing for the bathymetric per-acre / not-to-exceed rates (Section 6.3) is shown as TBD and will be finalized and transmitted to Numeric Solutions promptly following the aerial LiDAR Survey processing.
- This proposal assumes a single LiDAR mobilization for the full 8,967-acre AOI, per RFP Section 2, and a separate imagery mission per the rationale in Section 3.4.
- This proposal assumes the District will secure right-of-entry permissions for control point and check point locations on private property upstream and downstream of the dam, per RFP Section 7.2, with a minimum of 2 business days' advance notice.
- Ownership of all deliverables will vest in the District upon final payment, per RFP Section 11.

8. Supporting Figures

The figures below are placeholders for imagery to be supplied and inserted prior to final submission.

8.4 Equipment

Equipment Photographs

Optech Galaxy LiDAR sensor and UltraCam Falcon camera



9. Closing

Lidar America appreciates the opportunity to continue our work with Numeric Solutions and the Santa Maria Valley Water Conservation District at Twitchell Reservoir. We welcome the opportunity to discuss this proposal, clarify any of the TBD items noted above, and finalize scheduling upon award.

Respectfully submitted,

Juan Beltran

Chief Executive Officer, Lidar America Inc.

714-752-6903 · juan@lidar-america.com

Santa Maria Valley Water Conservation District
Profit & Loss Budget vs. Actual 26/27
July through August 2026

17% of the year has elapsed					
		Jul - Aug 26	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense					
Income					
Charges for Services					
4877 · Other Special Assessment	23,303.75	2,000,000.00	-1,976,696.25	1.17%	
Total Charges for Services	23,303.75	2,000,000.00	-1,976,696.25	1.17%	
Intergovernmental Revenue					
4220 · Homeowners Prop Tax-Stat	209.39	1,500.00	-1,290.61	13.96%	
4690 · Homeownrs Prop Tx/pymts in Lieu	0.00	200.00	-200.00	0.0%	
Total Intergovernmental Revenue	209.39	1,700.00	-1,490.61	12.32%	
Taxes					
3011 - Property Tax-Unitary	3,525.39	3,640.00	-114.61	96.85%	
3015 - PT Prior Yr Escapes Sec	246.93	1,560.00	-1,313.07	15.83%	
3020 - Property Tax-Current Uns	113.13	31,500.00	-31,386.87	0.36%	
3028 - RDA Pass-Through Payment	1,441.06	2,800.00	-1,358.94	51.47%	
3010 · Property Tax-Current Sec	15,486.26	480,000.00	-464,513.74	3.23%	
3023 · PT PY Corr/Escapes Unsec	55.74	535.00	-479.26	10.42%	
3025 · Property Tax-Other Cnty	36,335.45	102,000.00	-65,664.55	35.62%	
3029 · RDA RPTTF Distributions	3,547.99	11,300.00	-7,752.01	31.4%	
3040 · Property Tax-Prior Secured	5.59				
3050 · Property Tax- Prior Unsecured	154.25	400.00	-245.75	38.56%	
3054 · Supplemental Prop Tax	6,568.86	2,570.00	3,998.86	255.6%	
3056 · Supplemental Prop- Prior	41.70	54.00	-12.30	77.22%	
3057 · PT-506 INT,480 CIOS/CIC	3.09	33.00	-29.91	9.36%	
Total Taxes	67,525.44	636,392.00	-568,866.56	10.61%	
Use of Money and Property					
3382-Interest Savings Acct	0.00	13,000.00	-13,000.00	0.0%	
3380 · Interest Income	23,883.78	90,000.00	-66,116.22	26.54%	
Total Use of Money and Property	23,883.78	103,000.00	-79,116.22	23.19%	
Total Income	114,922.36	2,741,092.00	-2,626,169.64	4.19%	
Expense					
1 · Salaries & Employee Benefits					
6100 · Regular Salaries	28,183.57	225,000.00	-196,816.43	12.53%	
6550 · FICA/Medicare	2,109.44	17,217.00	-15,107.56	12.25%	
6600 · Health Insurance Contrib	2,807.16	45,000.00	-42,192.84	6.24%	
6700 · Unemployment Ins Contrib	320.42	1,200.00	-879.58	26.7%	
6900 · Workers Compensation	0.00	10,000.00	-10,000.00	0.0%	
Total 1 · Salaries & Employee Benefits	33,420.59	298,417.00	-264,996.41	11.2%	

Santa Maria Valley Water Conservation District
Profit & Loss Budget vs. Actual 26/27
July through August 2026

17% of the year has elapsed

	Jul - Aug 26	Budget	\$ Over Budget	% of Budget
2 · Services and Supplies				
7050 · Communications	1,837.87	10,000.00	-8,162.13	18.38%
7060 · Food	0.00	2,500.00	-2,500.00	0.0%
7090 · Insurance	0.00	25,000.00	-25,000.00	0.0%
7110 · Directors Fees	1,900.00	30,000.00	-28,100.00	6.33%
7120 · Maintenance-Equipment	11.95	35,000.00	-34,988.05	0.03%
7121 · Operating Supplies	1,116.61	26,000.00	-24,883.39	4.3%
7200 · MTC-Struct/Impr & Ground	2,500.00	75,000.00	-72,500.00	3.33%
7324 · Audit Fees	0.00	10,000.00	-10,000.00	0.0%
7430 · Memberships	0.00	4,200.00	-4,200.00	0.0%
7450 · Office Expense	3,401.78	40,000.00	-36,598.22	8.5%
7460 · Professional & Spec Svcs	11,720.00	150,000.00	-138,280.00	7.81%
7506 · Administration Fees	1,199.00	7,400.00	-6,201.00	16.2%
7507 · ADP Fees	402.80	3,600.00	-3,197.20	11.19%
7508 · Legal Fees	51,028.51	250,000.00	-198,971.49	20.41%
7509 · Other Expense - BOE	0.00	22,000.00	-22,000.00	0.0%
7510 · Contractual Services	31,939.71	150,000.00	-118,060.29	21.29%
7580 · Rents/Leases-Structure	2,800.00	17,000.00	-14,200.00	16.47%
7710 · Watershed Planning	0.00	45,000.00	-45,000.00	0.0%
7711 · Groundwater Planning	3,380.00	15,500.00	-12,120.00	21.81%
7731 · Gasoline, Oil, Fuel	857.68	20,000.00	-19,142.32	4.29%
7732 · Training & Travel	0.00	5,000.00	-5,000.00	0.0%
7760 · Utilities	1,626.75	8,000.00	-6,373.25	20.33%
Total 2 · Services and Supplies	115,722.66	951,200.00	-835,477.34	12.17%
3 · Fixed Assets				
8000 · Deferred Maintenance	60,735.22	500,000.00	-439,264.78	12.15%
8100 · Structures/Structure Imprvmnts	0.00	240,000.00	-240,000.00	0.0%
8200 · Land Improvements (Roads)	28,612.50	200,000.00	-171,387.50	14.31%
8300 · Equipment	0.00	85,000.00	-85,000.00	0.0%
8400 · Sediment Management	7,582.64	500,000.00	-492,417.36	1.52%
Total 3 · Fixed Assets	96,930.36	1,525,000.00	-1,428,069.64	6.36%
Total Expense	246,073.61	2,774,617.00	-2,528,543.39	8.87%
Net Ordinary Income	-131,151.25	-33,525.00	-97,626.25	391.2%
Other Income/Expense				
Other Income				
9999 · Operating Transfer In	0.00	33,525.00	-33,525.00	0.0%
Total Other Income	0.00	33,525.00	-33,525.00	0.0%

Santa Maria Valley Water Conservation District
Profit & Loss Budget vs. Actual 26/27
July through August 2026

17% of the year has elapsed

	Jul - Aug 26	Budget	\$ Over Budget	% of Budget
Net Other Income	0.00	33,525.00	-33,525.00	0.0%
Net Income	-131,151.25	0.00	-131,151.25	100.0%

The financial report omits substantially all disclosures required by accounting principles generally accepted in the United States of America; no assurance is provided on them.

Santa Maria Valley Water Conservation District

Balance Sheet

As of August 31, 2026

Aug 31, 26

Checking/Savings

California Class	3,078,726.72
Comm Bank CD 2.75% Mat 11.06.26	503,813.23
Community Bank of SantaM2513	253,033.66
Community Bank of SM-Saving	12,504.93
Community Bank SM-Agency Fund	100.00
Total Checking/Savings	<u>3,848,178.54</u>

Santa Maria Valley Water Conservation District
Vendors
August 2026

	Type	Date	Num	Memo	Debit
ADP fees					
	Check	08/14/2026	EFT		100.70
	Check	08/28/2026	EFT		100.70
Total ADP fees					<u>201.40</u>
ADT SECURITY SERVICES					
	Check	08/14/2026	8354	AUG 1-AUG 31, 2026	51.99
	Check	08/14/2026	8355	JUL 23-AUG 22, 2026	191.45
Total ADT SECURITY SERVICES					<u>243.44</u>
ALESHIRE & WYNDER LLP					
	Check	08/14/2026	8357	JULY 2026	47,928.51
Total ALESHIRE & WYNDER LLP					<u>47,928.51</u>
AMERICAN INDUSTRIAL					
	Check	08/14/2026	8362	IN # 0421503-IN,0421332-IN, 0421382-IN	529.41
Total AMERICAN INDUSTRIAL					<u>529.41</u>
ANDY ADAM					
	Check	08/14/2026	8342	JULY 2026	500.00
Total ANDY ADAM					<u>500.00</u>
ASHLEY & VANCE ENGINEERING , iNC.					
	Check	08/17/2026	8370	INV # 92780	28,612.50
Total ASHLEY & VANCE ENGINEERING , iNC.					<u>28,612.50</u>
CARRIE TROUP, CPA					
	Check	08/14/2026	8339	INV # 0726W	7,765.00
Total CARRIE TROUP, CPA					<u>7,765.00</u>

Santa Maria Valley Water Conservation District
Vendors
August 2026

	Type	Date	Num	Memo	Debit
CASEY CONRAD					
	Check	08/14/2026	8343	JULY 2026	300.00
Total CASEY CONRAD					300.00
COMCAST					
	Check	08/14/2026	8364	SERVICES JUL 22-AUG 21	234.33
Total COMCAST					234.33
EARTH SYSTEMS PACIFIC					
	Check	08/14/2026	8366	TWITCHELL DAM OUTFALL BASIN RESTORATIO	24,200.00
Total EARTH SYSTEMS PACIFIC					24,200.00
ENGLISH AIR SERVICE					
	Check	08/14/2026	8360	INV # 13759	2,500.00
Total ENGLISH AIR SERVICE					2,500.00
FRONTIER					
	Check	08/14/2026	8359	JULY 25-AUG 24-2026	78.19
Total FRONTIER					78.19
GAEDEKE HYDROLOGIC CONSULTING, LLC					
	Check	08/14/2026	8346	MONITORING SERVICES 4 WEEKEND DAYS	1,560.00
	Check	08/14/2026	8346	26 WELLS	1,820.00
Total GAEDEKE HYDROLOGIC CONSULTING, LLC					3,380.00
GERALD MAHONEY					
	Check	08/14/2026	8345	JULY 2026	400.00
Total GERALD MAHONEY					400.00

Santa Maria Valley Water Conservation District
Vendors
August 2026

	Type	Date	Num	Memo	Debit
JB DEWAR					
	Check	08/14/2026	8356	80541CL INV 483946	206.09
Total JB DEWAR					206.09
KEITH HADICK					
	Check	08/14/2026	8340	JULY 2026	300.00
Total KEITH HADICK					300.00
LINDE GAS & EQUIPMENT INC.					
	Check	08/14/2026	8365	INV # 57977135	117.66
Total LINDE GAS & EQUIPMENT INC.					117.66
NUMERIC SOLUTIONS LLC					
	Check	08/14/2026	8348	TWITCHELL DAM MAPPING PROJECT	7,492.50
Total NUMERIC SOLUTIONS LLC					7,492.50
PC MECHANICAL INC.					
	Check	08/14/2026	8361	INV # 33999, 34069	7,048.56
Total PC MECHANICAL INC.					7,048.56
PG&E					
	Check	08/14/2026	8350	INV # 0008533350-8	44.43
	Check	08/14/2026	8351	2084099541-7 STMNT 8-4-2026	647.15
	Check	08/14/2026	8352	9469185104-5 STMT 7-28-2026	311.53
	Check	08/14/2026	8353	ACCT # 5386134685-5 STMNT 07/28/2026	58.21
Total PG&E					1,061.32
RAMON ELIAS					
	Check	08/14/2026	8344	JULY 2026	200.00
Total RAMON ELIAS					200.00

Santa Maria Valley Water Conservation District
Vendors
August 2026

	Type	Date	Num	Memo	Debit
RANDY SHARER					
	Check	08/14/2026	8341	JULY 2026	200.00
Total RANDY SHARER					200.00
REGIONAL GOVERNMENT SERVICES					
	Check	08/14/2026	8363	INV # 21504 JUN 26 Services	10,946.27
Total REGIONAL GOVERNMENT SERVICES					10,946.27
RINCON CONSULTANTS, INC.					
	Check	08/14/2026	8369	TWITCHELL DAM MAINTENANCE PROJECT	18,999.16
Total RINCON CONSULTANTS, INC.					18,999.16
RURAL PLANNING SERVICES INC.					
	Check	08/14/2026	8349	INVOICE #12833, 12834.1	7,267.50
	Check	08/14/2026	8349	INVOICE #12833, 12834.1	3,220.00
Total RURAL PLANNING SERVICES INC.					10,487.50
SPECIAL DISTRICT RISK MGMT AUTHORITY					
	Check	08/17/2026	8368	HEALTH BENEFITS AUG 2026-ERIC CARR	1,403.58
Total SPECIAL DISTRICT RISK MGMT AUTHORITY					1,403.58
TEIXEIRA FARMS					
	Check	08/17/2026	8371	RENT SEP 2026	1,400.00
Total TEIXEIRA FARMS					1,400.00
U.S. GEOLOGICAL SURVEY					
	Check	08/14/2026	8347	BILL# 90175095, 90194632	10,375.00
Total U.S. GEOLOGICAL SURVEY					10,375.00

Santa Maria Valley Water Conservation District
Vendors
August 2026

	Type	Date	Num	Memo	Debit
US BANK					
	Check	08/14/2026	8367	USPS	312.00
	Check	08/14/2026	8367	MICROSOFT	81.90
	Check	08/14/2026	8367	MICROSOFT	26.26
	Check	08/14/2026	8367	TRACTOR SUPPLY	208.41
	Check	08/14/2026	8367	TARGET	66.71
	Check	08/14/2026	8367	AMAZON	168.55
	Check	08/14/2026	8367	AUTOZONE	11.95
	Check	08/14/2026	8367	TARGET	28.26
	Check	08/14/2026	8367	HOME DEPOT	20.56
Total US BANK					<u>924.60</u>
VERIZON					
	Check	08/14/2026	8358	INV 6149346510	858.42
Total VERIZON					<u>858.42</u>
TOTAL					<u>188,893.44</u>