



**REGULAR MEETING
OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD**

**Monday, March 31, 2025
1:00 P.M.**

HOW TO OBSERVE THE MEETING

Join by Teleconference or Attend in Person

COMB follows Centers for Disease Control and Prevention (CDC), California Department of Public Health (CDPH) and local public health guidelines with respect to COVID-19 protocols and masking requirements, based on local conditions and needs. COMB will have available masks for use during public meetings.

Members of the public may observe the meeting electronically as set forth below.

Join via Video Conference

<https://us02web.zoom.us/j/83088357078?pwd=WnlMPuZaOfroI3xbEPuaK8ZcLVm3FB.1>

Passcode:022524

Join via Teleconference

US +1 669 900 6833 Webinar ID: 830 8835 7078 Passcode: 022524

HOW TO MAKE A PUBLIC COMMENT

Any member of the public may address the Board on any subject within the jurisdiction of the Board of Directors. The total time for this item will be limited by the President of the Board. The Board is not responsible for the content or accuracy of statements made by members of the public. No action will be taken by the Board on any Public Comment item.

In person: Those observing the meeting in person may make comments during designated public comment periods.

By Video: Those observing the meeting by video may make comments during designated public comment periods using the “raise hand” feature. Commenters will be required to unmute their respective microphone when providing comments.

By Telephone: Those observing the meeting by telephone may make comments during the designated public comment periods by pressing *9 on the key pad to indicate such interest. Commenters will be prompted to press *6 to unmute their respective telephone when called upon to speak.

AMERICANS WITH DISABILITIES ACT

In compliance with the Americans with Disabilities Act, if you need special assistance to review agenda materials or participate in this meeting, please contact the Cachuma Operation and Maintenance Board office at (805) 687-4011 at least 48 hours prior to the meeting to enable the Board to make reasonable arrangements.

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REGULAR MEETING
OF THE CACHUMA OPERATION AND MAINTENANCE BOARD
held at
3301 Laurel Canyon Road
Santa Barbara, CA 93105

Monday, March 31, 2025

1:00 PM

AGENDA

NOTICE: This Meeting shall be conducted in-person and through remote access as authorized and in accordance with Government Code section 54953, AB 361 and AB 2449.

1. **CALL TO ORDER, ROLL CALL**
2. **PUBLIC COMMENT** (*Public may address the Board on any subject matter within the Board's jurisdiction. See "Notice to the Public" below.*)
3. **CONSENT AGENDA** (*All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.*)
Action: Recommend approval of Consent Agenda by motion and roll call vote of the Board
 - a. Minutes of February 24, 2025 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
4. **VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Operations Committee Meeting – March 20, 2025
5. **DIRECTOR COMPENSATION**
Action: Receive information on Director Compensation and if approved, adopt Ordinance No. 6
6. **RESOLUTION NO. 811 - PROPOSED FISCAL YEAR(S) 2026-2030 INFRASTRUCTURE IMPROVEMENT PLAN**
Action: Recommend approval by motion and roll call vote of the Board
7. **OVERVIEW ON UPDATED AWIA RISK AND RESILIENCE ASSESSMENT**
Receive information regarding the updated AWIA Risk and Resilience Assessment
8. **GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Administration

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9. ENGINEER'S REPORT

Receive information from the COMB Engineer, including but not limited to the following:

- Climate Conditions
- Lake Elevation Projection
- Winter Storm Damage Repairs and Reimbursement
- AWIA Risk and Resilience Assessment
- Infrastructure Improvement Projects Update

10. OPERATIONS DIVISION REPORT

Receive information regarding the Operations Division, including but not limited to the following:

- Lake Cachuma Operations
- Operation and Maintenance Activities

11. FISHERIES DIVISION REPORT

Receive information from the Fisheries Division Manager, including, but not limited to the following:

- LSYR Steelhead Monitoring Elements
- Surcharge Water Accounting
- Reporting/Outreach/Training

12. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

Receive information regarding the Lake Cachuma Oak Tree Program including but not limited to the following:

- Maintenance and Monitoring

13. MONTHLY CACHUMA PROJECT REPORTS

Receive information regarding the Cachuma Project, including but not limited to the following:

- a. Cachuma Water Reports
- b. Cachuma Reservoir Current Conditions
- c. Lake Cachuma Quagga Survey

14. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

15. MEETING SCHEDULE

- **Regular Board Meeting – April 28, 2025 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

16. COMB ADJOURNMENT

NOTICE TO PUBLIC

Posting of Agenda: This agenda was posted at COMB's offices, located at 3301 Laurel Canyon Road, Santa Barbara, California, 93105 and on COMB's website, in accordance with Government Code Section 54954.2. The agenda contains a brief general description of each item to be considered by the Governing Board. The Board reserves the right to modify the order in which agenda items are heard. Copies of staff reports or other written documents relating to each item of business are on file at the COMB offices and are available for public inspection during normal business hours. A person with a question concerning any of the agenda items may call COMB's General Manager at (805) 687-4011.

Written materials: In accordance with Government Code Section 54957.5, written materials relating to an item on this agenda which are distributed to the Governing Board less than 72 hours (for a regular meeting) or 24 hours (for a special meeting) will be made available for public inspection at the COMB offices during normal business hours. The written materials may also be posted on COMB's website subject to staff's ability to post the documents before the scheduled meeting.

Public Comment: Any member of the public may address the Board on any subject within the jurisdiction of the Board. The total time for this item will be limited by the President of the Board. The Board is not responsible for the content or accuracy of statements made by members of the public. No action will be taken by the Board on any Public Comment item.

Americans with Disabilities Act: In compliance with the Americans with Disabilities Act, if you need special assistance to review agenda materials or participate in this meeting, please contact the Cachuma Operation and Maintenance Board office at (805) 687-4011 at least 48 hours prior to the meeting to enable the Board to make reasonable arrangements.

Note: If you challenge in court any of the Board's decisions related to the listed agenda items you may be limited to raising only those issues you or someone else raised at any public hearing described in this notice or in written correspondence to the Governing Board prior to the public hearing.

**MINUTES OF REGULAR MEETING
OF THE CACHUMA OPERATION AND MAINTENANCE BOARD**

held at

**3301 Laurel Canyon Road
Santa Barbara, CA 93105**

**Monday, February 24, 2025
1:00 PM**

MINUTES

1. CALL TO ORDER, ROLL CALL

The regular meeting of the Board of Directors was called to order by President Holcombe at 1:02 PM.

Directors Present:

Polly Holcombe, Carpinteria Valley Water District
Kristen Sneddon, City of Santa Barbara
Lauren Hanson, Goleta Water District
Cori Hayman, Montecito Water District

General Counsel Present:

William Carter - Musick, Peeler, Garrett, LLP

Staff Present:

Janet Gingras, General Manager
Edward Lyons, Administrative Manager / CFO
Tim Robinson, Fisheries Division Manager
Joel Degner, Engineer / Operations Manager

Shane King, Ops Supervisor/Chief Distribution Operator
Elijah Papen, Water Resources Analyst
Rosey Bishop, Administrative Assistant II
Dorothy Turner, Administrative Assistant II

Others Present:

Dakota Corey, City of Santa Barbara
Dana Hoffenberg, City of Santa Barbara
David Linville, Goleta Water District

Andrew Paulden, Brown & Armstrong, CPAs
Matthew Scrudato, County of SB Water Agency
Matt Young, County of SB Water Agency

2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

- a. Minutes of January 27, 2025 Regular Board Meeting
- b. Investment of Funds
 - Financial Reports
 - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda, drawing attention to the Minutes of the last meeting. Mr. Lyons reviewed the Financial and Paid Claims reports. He noted receipt of third quarter budget assessments and FEMA/CalOES reimbursement. Mr. Lyons provided further detail regarding various paid claims, including remittances to Capstone Fire and Safety, American Riviera Bank Card Services, Cushman Contracting, Fence Factory and Flowers & Associates.

Director Sneddon motioned to approve the Consent Agenda. Director Hanson seconded and the motion carried with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

4. VERBAL REPORTS FROM BOARD COMMITTEES

- Fisheries Committee Meeting – February 12, 2025
- Administrative Committee Meeting – February 18, 2025
- Operations Committee Meeting – February 19, 2025

Director Hanson summarized the Fisheries Committee meeting and advised that the two action items will be addressed under items 8 & 9 in this agenda.

Director Holcombe recapped the Administrative Committee meeting and noted that action items will be addressed as items 5 & 6 of this agenda.

Director Sneddon reported that the Operations Committee received updates on the Infrastructure Improvement Plan, the Risk and Resiliency Assessment and FY 2024-25 projects. She noted that the action item was forwarded to the board and is addressed as item 7 today.

5. INDEPENDENT FINANCIAL AUDITING SERVICES - PROFESSIONAL SERVICES AGREEMENT

Mr. Lyons presented an overview of the process undertaken to solicit Requests for Proposal for independent auditing services. He reviewed the quote evaluation process which resulted in a recommendation to continue with Bartlett, Pringle, Wolf, LLP (BPW) for auditor services. He noted that the CPA Partner and Audit Manager have been rotated in compliance with Government Code section 12410.3.(b).

Director Hayman motioned to authorize the General Manager to execute a three-year contract with BPW. Director Sneddon seconded the motion which carried with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

6. DIRECTOR COMPENSATION - REQUIRED PUBLIC NOTIFICATIONS

As a first step toward potential adoption of an ordinance to increase Director compensation, Ms. Gingras introduced the topic of the required public notifications. She noted that a vote to adopt such an ordinance would take place at the March Board meeting. At this time, she asked the Board only to consider whether to initiate the Ordinance process by publishing the required public notices.

Director Sneddon motioned to direct staff to publish the required notices followed by a second from Director Hayman. The motion passed with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe
Nays:
Absent:
Abstain:

7. SHEFFIELD TUNNEL PIPELINE ASSESSMENT AND ENGINEERING SUPPORT

Mr. Degner reviewed the plans for Flowers & Associates to assess the interior and exterior conditions of the Sheffield pipeline and provide engineering support for any potential repairs and shutdowns. The work was divided into two phases. He noted that Phase I inspection was initiated but completion was delayed pending a reliable communication system. Mr. Degner asked the Board to consider moving forward with approval of Phase II repairs and emergency bypass pipeline conceptual designs.

Director Hanson provided a motion to authorize the General Manager to execute a contract with Flowers & Associates for Phase II of the project. Director Sneddon seconded the motion which carried with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe
Nays:
Absent:
Abstain:

8. UPDATE ON PROPOSED FISH PASSAGE AND HABITAT IMPROVEMENT PROJECT

Mr. Robinson presented the update to proposed improvements to the Hilton Creek fishery. He reminded the Board of their past approval of funds for 60% designs for repairs and advised that new information had come to light modifying the original cost projection for that work. The Board discussed the request for additional funding and requested regular updates on the progress of the project.

Director Hanson motioned to approve the listed items in the staff memo, followed by a second from Director Hayman. The motion passed with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe
Nays:
Absent:
Abstain:

9. PRESENTATION ON THE WATER YEAR 2024 ANNUAL MONITORING SUMMARY

Mr. Robinson shared a presentation of the data contained in the Annual Monitoring Summary (AMS) and provided an in-depth report of the Fisheries division work detailed in the AMS. Mr. Robinson noted that Reclamation's review of the draft AMS was not yet complete. He fielded questions and comments from the Board.

10. GENERAL MANAGER REPORT

- Administration
- U.S. Bureau of Reclamation

Ms. Gingras briefly summarized the General Manager report, highlighting the forthcoming second period water rates invoices and related charges.. As well she reported that COMB will be providing the member agencies with preliminary budget projections. At Reclamation's request, staff continues to meet and collaborate with Reclamation during their coordination calls.

11. ENGINEER'S REPORT

- Climate Conditions
- Lake Elevation Projection
- Winter Storm Damage
- Risk and Resilience Assessment
- Infrastructure Improvement Projects

Mr. Degner provided an update on lake conditions and elevations. All of the 2023 storm damages have been funded by FEMA/CalOES. Administrative costs reimbursements are pending. Mr. Degner noted that three 2024 storm projects are completed but others are undergoing NEPA and cultural reviews. He provided an update of staff progress on the Risk & Resiliency Assessment.

12. OPERATIONS DIVISION REPORT

- Operation and Maintenance Activities

Mr. King presented the Operations report with an update on annual structure maintenance, as well as meter calibrations. With evaluation from a newly hired vendor, repairs at the North Portal hoist are under way. Staff performed storm checks and provided assistance to Reclamation at Lake Cachuma.. Mr. King reported that Reclamation is working to resolve the communication difficulties at Sheffield Tunnel. He fielded comments from the Board.

13. FISHERIES DIVISION REPORT

- LSYR Steelhead Monitoring Elements
- Surcharge Water Accounting
- Reporting/Outreach/Training

Mr. Robinson reported that target flows remain higher than the minimum required at the measuring sites. Various terms of the Water Orders are under review by Reclamation.

14. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson advised that tree inventory is about 33% complete.

15. MONTHLY CACHUMA PROJECT REPORTS

- a. Cachuma Water Reports
- b. Cachuma Reservoir Current Conditions
- c. Lake Cachuma Quagga Survey

Ms. Gingras noted that the Cachuma Project reports were very routine.

16. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

There were no requests from directors.

17. MEETING SCHEDULE

- **Regular Board Meeting – March 24, 2025 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

Directors discussed potential scheduling conflicts related to the March Board Meeting.

18. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 3:17 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

APPROVED:

Polly Holcombe, President of the Board

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Cachuma Operation & Maintenance Board
Statement of Net Position
As of February 28, 2025
UNAUDITED FINANCIALS

February 28, 2025

ASSETS

Current Assets

Checking/Savings

Trust Funds

1210 · Warren Act Trust Fund

\$ 68,207.28

1220 · Renewal Fund

61,417.14

Total Trust Funds

\$ 129,624.42

1050 · General Fund

364,863.70

1100 · Revolving Fund

218,114.46

Total Checking/Savings

712,602.58

Accounts Receivable

1301 · Accounts Receivable

1,570.00

Total Accounts Receivable

1,570.00

Other Current Assets

1200 · LAIF

1200-1 · LAIF Fund

1,645,597.99

1200-2 · Fair Market Value Adjustment

(5,145.64)

Total 1200 · LAIF

1,640,452.35

1010 · Petty Cash

500.00

1303 · Bradbury SOD Act Assessments Receivable

235,771.99

1304 · Lauro Dam SOD Assessments Receivable

35,784.41

1400 · Prepaid Insurance

14,501.72

Total Other Current Assets

1,927,010.47

Total Current Assets

2,641,183.05

Fixed Assets

1500 · Vehicles

805,354.46

1505 · Office Furniture & Equipment

242,066.08

1510 · Mobile Offices

424,910.38

1515 · Field Equipment

666,108.20

1520 · Building Improvements

62,263.00

1524 · Infrastructure

9,209,556.69

1550 · Accumulated Depreciation

(2,235,422.83)

Total Fixed Assets

9,174,835.98

Other Assets

1910 · Long Term Bradbury SOD Act Assessments Receivable

3,372,698.07

1920 · Long Term Lauro SOD Act Assessments Receivable

634,994.44

1922 · Deferred Outflow of Resources (GASB 68)

1,124,425.00

1923 · Deferred Outflow (GASB 75)

543,969.00

Total Other Assets

5,676,086.51

TOTAL ASSETS

\$ 17,492,105.54

Cachuma Operation & Maintenance Board
Statement of Net Position
As of February 28, 2025
UNAUDITED FINANCIALS

February 28, 2025

LIABILITIES & EQUITY

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable \$ 78,184.59

Total Accounts Payable 78,184.59

Other Current Liabilities

2505 · Accrued Wages 41,585.88

2550 · Vacation/Sick 313,673.30

2561 · Bradbury Dam SOD Act 235,771.99

2563 · Lauro Dam SOD Act 35,784.41

2565 · Accrued Interest SOD Act 28,125.00

2590 · Deferred Revenue 129,624.42

Total Other Current Liabilities 784,565.00

Total Current Liabilities 862,749.59

Long Term Liabilities

2602 · Lopng Term SOD Act Liability-Bradbury 3,372,688.07

2603 · Long Term SOD Act Liability - Lauro 634,994.44

2604 · OPEB Long Term Liability 3,185,182.00

2610 · Net Pension Liability (GASB 68) 2,705,584.00

2611 · Deferred Inflow of Resources (GASB 68) 67,850.00

2612 · Deferred Inflow of Resources (GASB 75) 1,104,764.00

Total Long Term Liabilities 11,071,062.51

Total Liabilities 11,933,812.10

Net Position

3000 · Opening Balance Net Position (5,296,580.05)

3901 · Retained Net Assets 9,618,771.58

Net Income 1,236,101.91

Total Net Position 5,558,293.44

TOTAL LIABILITIES & NET POSITION \$ **17,492,105.54**

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2024 - June 2025

	Fisheries				Operations				TOTAL			
	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget
Revenue												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	\$ 1,102,997.00	\$ 1,509,436.00	\$ (406,439.00)	73.07%	\$ 3,885,898.00	\$ 4,794,900.00	\$ (909,002.00)	81.04%	\$ 4,988,895.00	\$ 6,304,336.00	\$ (1,315,441.00)	79.13%
3006 · Warren Act	17,286.00	17,286.00	0.00	100.0%	0.00				17,286.00	17,286.00	0.00	100.0%
3007 · Renewal Fund	307,032.12	392,286.00	-85,253.88	78.3%	0.00				307,032.12	392,286.00	-85,253.88	78.3%
3010 · Interest Income	0.00				41,514.33	0.00	41,514.33	100.0%	41,514.33	0.00	41,514.33	100.0%
3014 · Non-Member Agency Revenue	5,020.00	0.00	5,020.00	100.0%	0.00				5,020.00	0.00	5,020.00	100.0%
3020 · Misc Income	0.00				19,610.17	20,000.00	-389.83	98.05%	19,610.17	20,000.00	-389.83	98.05%
3021 · Grant Income	0.00				560.00	0.00	560.00	100.0%	560.00	0.00	560.00	100.0%
3035 · Cachuma Project Betterment Fund	100,000.00	100,000.00	0.00	100.0%	0.00				100,000.00	100,000.00	0.00	100.0%
3047 · 2023 Winter Storms	0.00				272,915.10	800,000.00	-527,084.90	34.11%	272,915.10	800,000.00	-527,084.90	34.11%
Total 3000 REVENUE	\$ 1,532,335.12	\$ 2,019,008.00	\$ (486,672.88)	75.9%	\$ 4,220,497.60	\$ 5,614,900.00	\$ (1,394,402.40)	75.17%	\$ 5,752,832.72	\$ 7,633,908.00	\$ (1,881,075.28)	75.4%
Expense												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 812,828.91	\$ 1,296,613.00	\$ (483,784.09)	62.69%	\$ 812,828.91	\$ 1,296,613.00	\$ (483,784.09)	62.69%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				32,714.23	40,000.00	-7,285.77	81.79%	32,714.23	40,000.00	-7,285.77	81.79%
3202 · Fixed Capital	0.00				141,996.68	200,000.00	-58,003.32	71.0%	141,996.68	200,000.00	-58,003.32	71.0%
3203 · Equipment Rental	0.00				3,262.58	40,000.00	-36,737.42	8.16%	3,262.58	40,000.00	-36,737.42	8.16%
3204 · Miscellaneous	0.00				9,307.90	10,000.00	-692.10	93.08%	9,307.90	10,000.00	-692.10	93.08%
Total 3200 VEH & EQUIPMENT	0.00				187,281.39	290,000.00	-102,718.61	64.58%	187,281.39	290,000.00	-102,718.61	64.58%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				11,208.00	35,000.00	-23,792.00	32.02%	11,208.00	35,000.00	-23,792.00	32.02%
3302 · Buildings & Roads	0.00				2,153.82	25,000.00	-22,846.18	8.62%	2,153.82	25,000.00	-22,846.18	8.62%
3303 · Reservoirs	0.00				28,928.79	60,000.00	-31,071.21	48.22%	28,928.79	60,000.00	-31,071.21	48.22%
3304 · Engineering, Misc Services	0.00				1,782.25	40,000.00	-38,217.75	4.46%	1,782.25	40,000.00	-38,217.75	4.46%
Total 3300 · CONTRACT LABOR	0.00				44,072.86	160,000.00	-115,927.14	27.55%	44,072.86	160,000.00	-115,927.14	27.55%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				72,744.54	80,000.00	-7,255.46	90.93%	72,744.54	80,000.00	-7,255.46	90.93%
3402 · Buildings & Roads	0.00				14,974.81	20,000.00	-5,025.19	74.87%	14,974.81	20,000.00	-5,025.19	74.87%
3403 · Reservoirs	0.00				15,256.96	10,000.00	5,256.96	152.57%	15,256.96	10,000.00	5,256.96	152.57%
Total 3400 · MATERIALS & SUPPLIES	0.00				102,976.31	110,000.00	-7,023.69	93.62%	102,976.31	110,000.00	-7,023.69	93.62%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				5,007.73	7,000.00	-1,992.27	71.54%	5,007.73	7,000.00	-1,992.27	71.54%
3502 · Uniforms	0.00				869.56	7,500.00	-6,630.44	11.59%	869.56	7,500.00	-6,630.44	11.59%
3503 · Communications	0.00				7,970.30	16,000.00	-8,029.70	49.81%	7,970.30	16,000.00	-8,029.70	49.81%
3504 · USA & Other Services	0.00				3,376.52	8,000.00	-4,623.48	42.21%	3,376.52	8,000.00	-4,623.48	42.21%
3505 · Miscellaneous	0.00				9,692.59	12,000.00	-2,307.41	80.77%	9,692.59	12,000.00	-2,307.41	80.77%
3506 · Training	0.00				827.46	3,000.00	-2,172.54	27.58%	827.46	3,000.00	-2,172.54	27.58%
3507 · Permits	0.00				19,368.02	25,000.00	-5,631.98	77.47%	19,368.02	25,000.00	-5,631.98	77.47%
Total 3500 · OTHER EXPENSES	0.00				47,112.18	78,500.00	-31,387.82	60.02%	47,112.18	78,500.00	-31,387.82	60.02%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2024 - June 2025

	Fisheries				Operations				TOTAL			
	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget
4100 · LABOR - FISHERIES	566,001.31	870,930.00	-304,928.69	64.99%	0.00				566,001.31	870,930.00	-304,928.69	64.99%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	16,729.86	30,000.00	-13,270.14	55.77%	0.00				16,729.86	30,000.00	-13,270.14	55.77%
4280 · Fixed Capital	0.00	20,000.00	-20,000.00	0.0%	0.00				0.00	20,000.00	-20,000.00	0.0%
4290 · Miscellaneous	727.21	2,500.00	-1,772.79	29.09%	0.00				727.21	2,500.00	-1,772.79	29.09%
Total 4200 · VEHICLES & EQUIP - FISHERIES	17,457.07	52,500.00	-35,042.93	33.25%	0.00				17,457.07	52,500.00	-35,042.93	33.25%
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
4222 · Fish Projects Maintenance	6,473.01	11,000.00	-4,526.99	58.85%	0.00				6,473.01	11,000.00	-4,526.99	58.85%
Total 4220 · CONTRACT LABOR - FISHERIES	6,473.01	14,000.00	-7,526.99	46.24%	0.00				6,473.01	14,000.00	-7,526.99	46.24%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	6,526.99	8,000.00	-1,473.01	81.59%	0.00				6,526.99	8,000.00	-1,473.01	81.59%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	6,526.99	8,000.00	-1,473.01	81.59%	0.00				6,526.99	8,000.00	-1,473.01	81.59%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	1,783.59	5,000.00	-3,216.41	35.67%	0.00				1,783.59	5,000.00	-3,216.41	35.67%
4503 · Permits	6,597.25	8,000.00	-1,402.75	82.47%	0.00				6,597.25	8,000.00	-1,402.75	82.47%
Total 4500 · OTHER EXPENSES - FISHERIES	8,380.84	13,000.00	-4,619.16	64.47%	0.00				8,380.84	13,000.00	-4,619.16	64.47%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				5,988.37	12,400.00	-6,411.63	48.29%	5,988.37	12,400.00	-6,411.63	48.29%
5001 · Director Mileage	0.00				332.50	600.00	-267.50	55.42%	332.50	600.00	-267.50	55.42%
5100 · Legal	0.00				9,440.00	75,000.00	-65,560.00	12.59%	9,440.00	75,000.00	-65,560.00	12.59%
5101 · Audit	0.00				23,790.32	22,750.00	1,040.32	104.57%	23,790.32	22,750.00	1,040.32	104.57%
5150 · Unemployment Tax	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
5200 · Liability Insurance	0.00				54,711.17	47,900.00	6,811.17	114.22%	54,711.17	47,900.00	6,811.17	114.22%
5310 · Postage/Office Exp	0.00				3,710.98	6,000.00	-2,289.02	61.85%	3,710.98	6,000.00	-2,289.02	61.85%
5311 · Office Equip/Leases	0.00				5,014.66	13,440.00	-8,425.34	37.31%	5,014.66	13,440.00	-8,425.34	37.31%
5312 · Misc Admin Expenses	0.00				8,149.39	11,000.00	-2,850.61	74.09%	8,149.39	11,000.00	-2,850.61	74.09%
5313 · Communications	0.00				4,977.65	9,500.00	-4,522.35	52.4%	4,977.65	9,500.00	-4,522.35	52.4%
5314 · Utilities	0.00				9,102.01	9,739.00	-636.99	93.46%	9,102.01	9,739.00	-636.99	93.46%
5315 · Membership Dues	0.00				11,489.20	11,700.00	-210.80	98.2%	11,489.20	11,700.00	-210.80	98.2%
5316 · Admin Fixed Assets	0.00				129.84	12,000.00	-11,870.16	1.08%	129.84	12,000.00	-11,870.16	1.08%
5318 · Computer Consultant	0.00				13,601.51	35,000.00	-21,398.49	38.86%	13,601.51	35,000.00	-21,398.49	38.86%
5325 · Emp Training/Subscriptions	0.00				0.00	2,000.00	-2,000.00	0.0%	0.00	2,000.00	-2,000.00	0.0%
5330 · Admin Travel	0.00				646.03	3,500.00	-2,853.97	18.46%	646.03	3,500.00	-2,853.97	18.46%
5331 · Public Information	0.00				2,002.75	3,500.00	-1,497.25	57.22%	2,002.75	3,500.00	-1,497.25	57.22%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				153,086.38	281,029.00	-127,942.62	54.47%	153,086.38	281,029.00	-127,942.62	54.47%
5299 · ADMIN LABOR	0.00				501,703.24	718,758.00	-217,054.76	69.8%	501,703.24	718,758.00	-217,054.76	69.8%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	8,820.00	25,000.00	-16,180.00	35.28%	0.00				8,820.00	25,000.00	-16,180.00	35.28%
5410 · Postage / Office Supplies	2,025.67	4,000.00	-1,974.33	50.64%	0.00				2,025.67	4,000.00	-1,974.33	50.64%
5411 · Office Equipment / Leases	2,700.03	8,533.00	-5,832.97	31.64%	0.00				2,700.03	8,533.00	-5,832.97	31.64%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2024 - June 2025

	Fisheries				Operations				TOTAL			
	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget
5412 · Misc. Admin Expense	4,542.30	7,500.00	-2,957.70	60.56%	0.00				4,542.30	7,500.00	-2,957.70	60.56%
5413 · Communications	2,680.30	4,454.00	-1,773.70	60.18%	0.00				2,680.30	4,454.00	-1,773.70	60.18%
5414 · Utilities	4,901.09	5,243.00	-341.91	93.48%	0.00				4,901.09	5,243.00	-341.91	93.48%
5415 · Membership Dues	7,018.80	7,200.00	-181.20	97.48%	0.00				7,018.80	7,200.00	-181.20	97.48%
5416 · Admin Fixed Assets	69.92	5,000.00	-4,930.08	1.4%	0.00				69.92	5,000.00	-4,930.08	1.4%
5418 · Computer Consultant	7,323.89	20,000.00	-12,676.11	36.62%	0.00				7,323.89	20,000.00	-12,676.11	36.62%
5425 · Employee Education/Subscription	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
5426 · Director Fees	3,224.48	6,700.00	-3,475.52	48.13%	0.00				3,224.48	6,700.00	-3,475.52	48.13%
5427 · Director Mileage	178.91	300.00	-121.09	59.64%	0.00				178.91	300.00	-121.09	59.64%
5430 · Travel	928.66	4,000.00	-3,071.34	23.22%	0.00				928.66	4,000.00	-3,071.34	23.22%
5431 · Public Information	1,304.10	1,500.00	-195.90	86.94%	0.00				1,304.10	1,500.00	-195.90	86.94%
5441 · Audit	12,810.18	12,250.00	560.18	104.57%	0.00				12,810.18	12,250.00	560.18	104.57%
5443 · Liab & Property Ins	29,459.85	26,500.00	2,959.85	111.17%	0.00				29,459.85	26,500.00	2,959.85	111.17%
Total 5400 · GENERAL & ADMIN - FISHERIES	87,988.18	140,680.00	-52,691.82	62.55%	0.00				87,988.18	140,680.00	-52,691.82	62.55%
5499 · ADMIN LABOR-FISHERIES	220,942.39	322,898.00	-101,955.61	68.43%	0.00				220,942.39	322,898.00	-101,955.61	68.43%
5510 · Integrated Reg. Water Mgt Plan	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
6199 · SPECIAL PROJECTS												
6097 · GIS and Mapping	0.00				7,840.00	10,000.00	-2,160.00	78.4%	7,840.00	10,000.00	-2,160.00	78.4%
6105 · ROW Management Program	0.00				2,283.85	20,000.00	-17,716.15	11.42%	2,283.85	20,000.00	-17,716.15	11.42%
6110 · SCADA Improvements & Support	0.00				29,426.79	35,000.00	-5,573.21	84.08%	29,426.79	35,000.00	-5,573.21	84.08%
6115 · COMB Biding Improvemnts & Maint	0.00				9,375.50	80,000.00	-70,624.50	11.72%	9,375.50	80,000.00	-70,624.50	11.72%
6125 · 2023 Winter Storm Repairs	0.00				12,100.00			100.0%	12,100.00	0.00	12,100.00	100.0%
6126 · 2024 Winter Storm Repairs	0.00				291,683.25	150,000.00	141,683.25	194.46%	291,683.25	150,000.00	141,683.25	194.46%
6138 · Water Quality & Sediment Mgmt	0.00				15,581.05	40,000.00	-24,418.95	38.95%	15,581.05	40,000.00	-24,418.95	38.95%
Total 6199 · SPECIAL PROJECTS	0.00				368,290.44	335,000.00	33,290.44	109.94%	368,290.44	335,000.00	33,290.44	109.94%
6000 · INFRASTRUCTURE IMPROVEMENT PROJ												
6075 · Multi-Site Renwble Energy Resil	0.00				0.00	50,000.00	-50,000.00	0.0%	0.00	50,000.00	-50,000.00	0.0%
6074 · North Portal Log Boom Replcmnt	0.00				143,191.60	135,000.00	8,191.60	106.07%	143,191.60	135,000.00	8,191.60	106.07%
6045 · Critical Access Rd Maint & Rep	0.00				0.00	75,000.00	-75,000.00	0.0%	0.00	75,000.00	-75,000.00	0.0%
6043 · Lauro Res Intake Design& Repair	0.00				0.00	50,000.00	-50,000.00	0.0%	0.00	50,000.00	-50,000.00	0.0%
6096 · Lower Reach BlowOff AVAR Valve	0.00				0.00	30,000.00	-30,000.00	0.0%	0.00	30,000.00	-30,000.00	0.0%
6102 · Lauro Bypass Channel Road Imprv	0.00				30,634.50	1,320,000.00	-1,289,365.50	2.32%	30,634.50	1,320,000.00	-1,289,365.50	2.32%
6107 · North Portal Elevator Mod	0.00				0.00	100,000.00	-100,000.00	0.0%	0.00	100,000.00	-100,000.00	0.0%
6123 · Sheffield Tunnel Insp/Eval SCC	0.00				29,429.97	75,000.00	-45,570.03	39.24%	29,429.97	75,000.00	-45,570.03	39.24%
6128 · Lauro Outlet Wrks Tunnel Safety	0.00				4,393.50	100,000.00	-95,606.50	4.39%	4,393.50	100,000.00	-95,606.50	4.39%
6134 · N.P. IT/Control Bldg Seismic	0.00				0.00	100,000.00	-100,000.00	0.0%	0.00	100,000.00	-100,000.00	0.0%
6137 · Rehab SCC Lateral Structures												
6137-2 · Rehab SCC Laterals - Phase III	0.00				253,139.94	305,000.00	-51,860.06	83.0%	253,139.94	305,000.00	-51,860.06	83.0%
6137-1 · Rehab SCC Laterals -Phase II	0.00				488,567.22	0.00	488,567.22	100.0%	488,567.22	0.00	488,567.22	100.0%
Total 6137 · Rehab SCC Lateral Structures	0.00				741,707.16	305,000.00	436,707.16	243.18%	741,707.16	305,000.00	436,707.16	243.18%
Total 6000 · INFRASTRUCTURE IMPROVEMENT PROJ	0.00				949,356.73	2,340,000.00	-1,390,643.27	40.57%	949,356.73	2,340,000.00	-1,390,643.27	40.57%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2024 - June 2025

	Fisheries				Operations				TOTAL			
	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget	Jul '24 - Feb 25	Budget	\$ Over / (Under) Budget	% of Budget
6200 · PROGRAM SUPPORT SERVICES												
6201 · BO/FMP Implementation	21,428.83	42,000.00	-20,571.17	51.02%	0.00				21,428.83	42,000.00	-20,571.17	51.02%
6202 · GIS and Mapping	5,065.00	10,000.00	-4,935.00	50.65%	0.00				5,065.00	10,000.00	-4,935.00	50.65%
6205 · USGS Stream Gauge Program	51,047.50	110,000.00	-58,952.50	46.41%	0.00				51,047.50	110,000.00	-58,952.50	46.41%
Total 6200 · PROGRAM SUPPORT SERVICES	77,541.33	162,000.00	-84,458.67	47.87%	0.00				77,541.33	162,000.00	-84,458.67	47.87%
6300 · HABITAT IMPROVEMENT PROJECTS												
6320 · Hilton Creek Habitat Improvemen	0.00	110,000.00	-110,000.00	0.0%	0.00				0.00	110,000.00	-110,000.00	0.0%
6207 · Oak Tree Restoration Program	38.75	10,000.00	-9,961.25	0.39%	0.00				38.75	10,000.00	-9,961.25	0.39%
6303 · Tributary Projects Support	11,983.50	10,000.00	1,983.50	119.84%	0.00				11,983.50	10,000.00	1,983.50	119.84%
6304 · Tributary Projects Improvements	346,689.00	305,000.00	41,689.00	113.67%	0.00				346,689.00	305,000.00	41,689.00	113.67%
Total 6300 · HABITAT IMPROVEMENT PROJECTS	358,711.25	435,000.00	-76,288.75	82.5%	0.00				358,711.25	435,000.00	-76,288.75	82.5%
Total Expense	\$ 1,350,022.37	\$ 2,019,008.00	\$ (668,985.63)	66.9%	\$ 3,166,708.44	\$ 5,614,900.00	\$ (2,448,191.56)	56.4%	\$ 4,516,730.81	\$ 7,633,908.00	\$ (3,117,177.19)	59.2%
Net Surplus / Deficit	\$ 182,312.75	\$ -	\$ 182,312.75	100.0%	\$ 1,053,789.16	\$ -	\$ 1,053,789.16	100.0%	\$ 1,236,101.91	\$ -	\$ 1,236,101.91	100.0%

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 31, 2025
Submitted by:	Janet Gingras

SUBJECT: Investment Report – February 28, 2025

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of February 28, 2025.

DISCUSSION

Cash and investment programs are maintained in accordance with California Government Code Section 53600 et seq. and COMB's adopted investment policy. These policies ensure proper control and safeguards are maintained throughout the financial transaction process. Pursuant to State law, the COMB Board adopts a detailed investment policy through a Board resolution on an annual basis.

Reports on COMB's investment portfolio and cash position are developed and presented to the COMB Board on a monthly basis, in conformity with the California Government Code.

Unrestricted Cash

Unrestricted cash exceeding current operating needs is invested in LAIF to generate interest income. The average effective yield rate, as of February 2025, is reported at 4.33%.

See Table 1 below for a summary of balances held in unrestricted accounts.

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	1/31/2025	\$	1,645,597.99
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	2/28/2025	\$	1,645,597.99

Restricted Cash

The Cachuma Project Warren Act Trust Fund (Trust Fund) and Cachuma Project Master Contract Renewal Fund (Renewal Fund) are two separate funds that have been established through contracts with the U.S. Bureau of Reclamation (Reclamation). The Trust Fund and the Renewal Fund require annual and five-year plans which are used to inform the Funds Committee in making decisions on expenditures for betterment of the Cachuma Project.

See Table 2 below for a summary of balances held in restricted accounts.

Table 2			
Restricted Reserve Funds			
American Riviera Bank Renewal Account			
Previous Balance	1/31/2025	\$	61,417.14
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	2/28/2025	\$	61,417.14
American Riviera Bank Warren Act Trust Fund			
Previous Balance	1/31/2025	\$	68,207.28
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	2/28/2025	\$	68,207.28

STATEMENT

The above statement of investment activity, for the month of February 2025, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all American Riviera Bank and LAIF investments of this agency for the period indicated.



 Secretary

**Cachuma Operation &
Maintenance Board
Paid Claims
As of February 28, 2025**

Date	Num	Name	Memo	Amount
1050 · General Fund				
02/03/2025	31681	American Water Works Association	AWWA Membership Dues 4/1/25-3/31/26	-525.00
02/03/2025	31682	AT&T	Long Distance Service January 2025	-41.26
02/03/2025	31683	City of Santa-Barbara	Trash & Recycling January 2025	-390.09
02/03/2025	31684	Cori Hayman	Director Meeting Fees January 2025	-218.15
02/03/2025	31685	ECHO Communications	Message Service February 2025	-102.00
02/03/2025	31686	Emerson LLLP	Quarterly Calibration of Equipment	-2,398.00
02/03/2025	31687	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling	-1,125.00
02/03/2025	31688	Frontier Communications	Phone Service - Main Office Land Lines	-167.04
02/03/2025	31689	Frontier Communications	Phone Service - North Portal	-83.52
02/03/2025	31690	Kristen Sneddon	Director Meeting Fees January 2025	-210.30
02/03/2025	31691	Lauren W. Hanson	Director Meeting Fees January 2025	-211.75
02/03/2025	31692	Marborg Industries	Portable Facilities - Outlying Stations	-423.96
02/03/2025	31693	O'Reilly Automotive, Inc.	Supplies (Ops)	-48.23
02/03/2025	31694	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 1/3/2025, 1/17/2025 & 1/31/2025	-686.80
02/03/2025	31695	Polly Holcombe	Director Meeting Fees January 2025	-224.55
02/03/2025	31696	Powell Garage	2022 Ford - F-550 - Routine Service (Ops)	-404.11
02/03/2025	31697	Southern California Edison	Electricity - Main Office & Outlying Stations	-1,732.42
02/03/2025	31698	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-169.10
02/03/2025	31699	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci	-303.41
02/03/2025	31700	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance January 2025	-480.00
02/10/2025	31701	Agri-Turf Supplies, Inc.	Supplies - (Ops)	-326.24
02/10/2025	31702-31703	VOID	VOID	0.00
02/10/2025	31704	Carpinteria Valley Water District	Cooperative Agreement Phase 2 SCC Lower Reach Lateral Project	-358,496.00
02/10/2025	31705	VOID	VOID	0.00
02/10/2025	31706	Federal Express	Shipping (Ops)	-164.32
02/10/2025	31707-31714	VOID	VOID	0.00
02/18/2025	31715	Aspect Engineering Group	SCADA Improvements & Support (Ops)	-240.00
02/18/2025	31716	Coastal Chevrolet	2015 Chevy Silverado 1500 - Repairs (Ops)	-710.93
02/18/2025	31717	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-375.20
02/18/2025	31718	Dal Pozzo Tire Corp.	2015 Chevy Silverado 1500 - Tire Replacement (Ops)	-541.48
02/18/2025	31719	Farwest Corrosion Control Co.	Supplies (Ops)	-223.51
02/18/2025	31720	Impulse Advanced Communications	Phone Service - Main Office	-746.62
02/18/2025	31721	J&C Services	Office Cleaning Service	-960.00
02/18/2025	31722	LoopUp, LLC	Conference Calls January 2025	-26.62
02/18/2025	31723	O'Connor Pest Control	Exterminator Services	-575.00
02/18/2025	31724	Powell Garage	2007 Ford - F-350 - Routine Service (Ops)	-461.71
02/18/2025	31725	Verizon Wireless	Cellular Service - Wireless Modems (Ops)	-304.12
02/18/2025	31726	Verizon Wireless	Cellular Service - Cell Phones & iPads (Ops)	-389.46
02/24/2025	31727	American Riviera Bank - Card Service	ACWA Conf Registration, Website Hosting, Office & Field Supplies (Ops & Fisheries)	-3,002.67
02/24/2025	31728	Bartlett, Pringle & Wolf, LLP	Audit Services FY 2023-24	-33,820.50
02/24/2025	31729	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-224.72
02/24/2025	31730	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 130	-3,500.00
02/24/2025	31731	Employee Relations, Inc.	Pre-Employment Background Check (Fisheries)	-13.35
02/24/2025	31732	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling	-1,331.50
02/24/2025	31733	J&C Services	Office Cleaning Service	-960.00
02/24/2025	31734	Otis Elevator Company	Elevator Maintenance 10/1/2023-3/31/2024	-1,653.69
02/24/2025	31735	PG&E	Electricity - Tecolote Tunnel	-24.76
02/24/2025	31736	Powell Garage	2007 Ford - F-350 - Repairs (Ops)	-952.37
02/24/2025	31737	Santa Barbara Police Department	Annual Alarm Registration Fee	-50.00
02/24/2025	31738	Sparkletts	Operations Safety	-101.38
02/24/2025	31739	The Gas Company	Natural Gas - Main Office	-46.98
02/24/2025	31740	United States Geological Survey	USGS Quarterly Joint Funding Agreement 10/01/24-12/31/24	-26,297.50
02/24/2025	31741	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 3253ci	-123.98
Total 1050 · General Fund				<u>-446,589.30</u>
TOTAL				<u>-446,589.30</u>

APPROVALS

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CACHUMA OPERATION & MAINTENANCE BOARD

Operations Committee Meeting

held at

**3301 Laurel Canyon Road
Santa Barbara CA 93105**

Thursday, March 20, 2025

12:00 PM

AGENDA

Chair: Director Sneddon

Member: Director Holcombe

NOTICE: This Meeting shall be conducted in-person and through remote access as authorized and in accordance with Government Code section 54953, AB 361 and AB 2449.

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter on the agenda and within the Committee's jurisdiction*)
3. Proposed Draft FY 2026-2030 Infrastructure Improvement Plan (IIP) (*for information and possible recommendation*)
4. Overview on Updated AWIA Risk and Resiliency Assessment (*for information*)
5. Adjournment

NOTICE TO THE PUBLIC

Public Comment: The public is welcome to attend and observe the meeting. A public comment period will be included at the meeting where any member of the public may address the Committee on any subject within the Committee's jurisdiction. The total time for this item will be limited by the Chair.

Americans with Disabilities Act: In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Cachuma Operation & Maintenance Board (COMB) at 687-4011 at least 48 hours prior to the meeting to enable staff to make reasonable arrangements.

[This Agenda was posted at COMB offices, 3301 Laurel Canyon Road, Santa Barbara, CA and Noticed and Delivered in Accordance with Section 54954.1 and .2 of the Government Code.]

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 31, 2025
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: **Director Compensation**

RECOMMENDATION:

The Board of Directors review and discuss information related to Director Compensation and provide direction to staff including adopting Ordinance No. 6.

SUMMARY:

The Cachuma Operation and Maintenance Board (COMB) Directors are compensated for the service they provide in official capacities. Specifically, Ordinance No. 5 adopted in 2024 provides for Directors' fees and mileage allowance for attendance at COMB Board meetings and COMB Committee meetings. The current allowance for Directors' compensation is set at \$205 per meeting for each Director or their alternate. The current mileage allowance for a Director or their alternate is set at the adjusted Internal Revenue Service allowable travel expense reimbursement mileage rate as it may be set from time-to-time.

California Water Code (Water Code) Section 20202 provides for annual updates to Director Compensation, in an amount not to exceed 5% for each year that has elapsed since compensation was previously increased. The Water Code also limits compensation to ten (10) days per month. Accordingly, listed below are two options for consideration:

- **Option 1: No change to existing compensation.** Directors' compensation would remain at \$205 per meeting.
- **Option 2: Incremental increase up to 5%.** The maximum compensation increase is 5% for each year since the prior effective Ordinance was adopted. The prior effective Ordinance was adopted in February 2024 with applicable Director compensation effective in April 2024. If Ordinance No. 6 is adopted at the full 5% increase, the Director compensation would increase to \$215.00 per meeting.

No action is necessary to implement Option 1. Option 2 requires the Board to adopt an Ordinance (No. 6) (attached) amending the previously adopted Ordinance (No. 5). Prior to considering the amended Ordinance, advance notice of a public hearing at which the Ordinance will be considered must be published in a newspaper for two successive weeks. State law also requires a 14-day notice period from the date the public hearing is first noticed in the newspaper. In addition, a 60-day waiting period is required after the Ordinance is adopted by the Board for it to become effective.

Staff posted the notices according to legal requirements. Consequently, if the ordinance is adopted at the March 31, 2025 Board meeting, the increase to Director compensation would become effective May 31, 2025.

To assist with the discussion, staff reached out to various Cachuma Member Units and inquired as to their respective Director compensation rates. The following information was received.

Water Agency	Amount	Increment	Note
Goleta	\$278.00	Meeting/Day	(1),(2)
Montecito	\$185.00	Meeting/Day	(2)
Carpinteria	\$110.00	Meeting/Day	(2)
SYRWCD ID No. 1	\$200.00	Meeting/Day	(3)
Average	\$193.25		

Note;

(1) Effective Date: 4/12/2025

(2) Limit of ten meetings per month.

(3) Limit of six meetings per month.

Staff provides the following to the Board for consideration and possible recommendation:

1. No change to existing compensation.
2. Increase the allowance for Director compensation from \$205 to \$215 per meeting (5% increase) for each Director and their alternate.
3. The current mileage allowance, which is set at the adjusted Internal Revenue Service allowable travel expense reimbursement rate, to remain unchanged. The mileage would be calculated from District office to the required meeting location.

FISCAL IMPACTS:

COMB's annual operating budget provides \$20,000 for expenses related to Director compensation. The proposed change to Director Compensation will not affect the budgeted line item.

COMMITTEE STATUS:

The Administrative Committee has reviewed the proposed change (full 5%) to Director Compensation of \$215 and forwards to the Board with a recommendation to adopt Ordinance No. 6.

LEGAL CONCURRENCE:

Legal Counsel has reviewed the necessary documents and procedures to implement a change to Director compensation.

LIST OF EXHIBITS:

- 1) Ordinance No. 6
- 2) Proof of Publication

ORDINANCE NO. 6

**ORDINANCE OF THE GOVERNING BOARD OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD
AMENDING ORDINANCE NO. 5
SETTING THE COMPENSATION FOR DIRECTORS OF THE BOARD
PURSUANT TO SECTIONS 20200 THROUGH 20207 OF THE WATER CODE**

RECITALS

- A. Sections 20200 through 20207 of the Water Code of the State of California provides for a method by which members (Directors) of the Governing Board (or “Board of Directors”) may be compensated for their work and services in carrying out their duties as Directors and in carrying out the business of the Cachuma Operation and Maintenance Board (“COMB”).
- B. The Governing Board, by adoption of Ordinance No. 5 on February 26, 2024, elected to set the compensation of its Directors pursuant to Water Code Sections 20200 through 20207 (the “Ordinance”).
- C. The Governing Board has, by adoption of this Ordinance, elected to amend Ordinance No. 5.
- D. Notice of a Public Hearing as a part of the Governing Board's regular meeting held on March 31, 2025 was published pursuant to Section 6066 of the Government Code and Section 20207 of the Water Code (the “Notice”).
- E. Proof of Publication of said Notice in the Santa Barbara Independent on March 13, 2025 and March 20, 2025 has been filed with the records of the regular meeting held on March 31, 2025.
- F. The public hearing on the adoption of the Ordinance was held on March 31, 2025 prior to the adoption of the Ordinance, as required by Section 20203 of the Water Code.

BE IT ORDAINED by the Governing Board of the Cachuma Operation and Maintenance Board, Paragraph 1 of the Ordinance is amended to read as follows:

- 1. As provided in Water Code Section 20201, the compensation of each member of the Governing Board (or their alternate) shall be the sum of \$215 for each day of attendance at a regular or special meeting of the Board of Directors, or for each day's service rendered as a member of the Board by request of the Board.

The compensation set by this Ordinance shall be for no more than a total of ten (10) days in any calendar month.

- 2. As provided in Water Code Section 30507, each Director shall be reimbursed for any expenses incurred in the performance of any duty required or authorized by the Governing Board, in addition to the compensation provided for in Section 1 above.

3. This Ordinance repeals any prior action of this Board providing for any automatic increases in the compensation of the Board, as of the effective date of this Ordinance.
4. This Ordinance shall be effective sixty (60) days following its adoption.
5. This Ordinance shall be published one time within ten (10) days following its adoption.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board on this 31st day of March, 2025 by the following vote:

AYES:

NAYS:

ABSTAIN:

ABSENT:

APPROVED

President of the Board

ATTEST:

Secretary of the Board

THE SANTA BARBARA
Independent

PROOF OF PUBLICATION
(2015.5 C.C.P.)

This space is for the County Clerk's Filing Stamp

STATE OF CALIFORNIA.

County of Santa Barbara.

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of *The Santa Barbara Independent*, a newspaper of general circulation, printed and published weekly, in the City of Santa Barbara, County of Santa Barbara, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Santa Barbara, State of California.

Proof of Publication of

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that the Governing Board of the Cachuma Operation & Maintenance Board (COMB) will hold its regular meeting at 1:00 p.m. on March 31, 2025 via teleconference and in person. Information on how to attend can be found on the meeting agenda which will be posted on the COMB website.

As part of said meeting, the Board will hold a public hearing, prior to the adoption of an ordinance pursuant to Water Code Sections 20200 through 20207, to establish the compensation of Board members in accordance with the provisions of said Water Code Sections.

This Notice is given and published under the provisions of Water Code Section 20203 and Government Code Section 6066.

Dated: 3/13/2025

Cachuma Operation & Maintenance Board
By: Janet Gingras, Secretary and General Manager

Case Number ; that the notice, of which the annexed is a printed copy (set in type not smaller than nonpareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

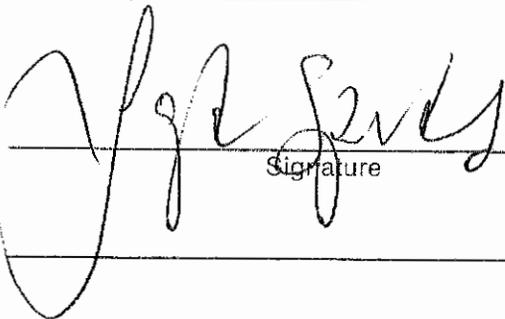
Mar 13, 20

all in the year 2025

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at Santa Barbara, California, this 20 day of

March, 2025



Signature

THE SANTA BARBARA
Independent

PROOF OF PUBLICATION

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 31, 2025
Submitted by:	Joel Degner
Approved by:	Janet Gingras

SUBJECT: **Resolution No. 811 - Proposed Fiscal Years (FY) 2026-2030 Infrastructure Improvement Plan**

RECOMMENDATION:

The Board of Directors review the proposed FY 2026-2030 Infrastructure Improvement Plan (IIP) and provide direction to staff including adopting Resolution No. 811 approving the plan.

SUMMARY:

Presented for Board review is the proposed FY 2026-2030 Infrastructure Improvement Plan. The original 5-year IIP was adopted by the Board in 2020 and contained projects measured at approximately \$8,000,000 over the 5-year planning horizon. This plan has been updated to reflect an ongoing 5-year future period of intended project implementation and affiliated budget planning schedule.

The IIP formalizes the strategy for implementation of capital projects and programs needed to carry out the goals and policy objectives of the Board. The IIP is organized and structured to identify and prioritize rehabilitation projects necessary to protect, improve, and sustain a reliable source of water conveyed from the Cachuma Project to the South Coast communities of Santa Barbara County. The plan will facilitate the decision-making process for allocation of resources to help ensure the delivery of quality, reliable water to our Member Agencies. The IIP spans a five-year planning horizon and will be updated and annually submitted to the Operations Committee for review and comment. Following Committee review and recommendations, the IIP and its annual amendments will be presented to the Board of Directors for final approval.

Projects outlined in the IIP have been identified based on U.S. Bureau of Reclamation (Reclamation) inspection recommendations, COMB asset inventory analysis, and additional staff observations and recommendations. The identification of a project within the five-year plan does not guarantee construction. The initiation of any project requires other evaluations and approvals that must be completed for a project to advance to design and ultimately construction. Additionally, the Board of Directors has the ongoing ability to review and revise projects based upon unforeseen conditions, priorities, and financial resources.

Staff presented the Draft 5-year (FY 2026-2030) IIP to the Member Agencies' technical staff and to the Operations Committee. This version incorporates comments and adjustments to the plan as suggested at those meetings.

FISCAL IMPACTS:

The Proposed FY 2026-2030 IIP estimates a gross sum of \$9,085,000 over the five-year planning horizon. Certain projects within the schedule are dependent upon receiving grant funding. The net projected costs for the five-year planning horizon total \$7,881,000.

LEGAL CONCURRENCE:

Legal Counsel has reviewed Resolution No. 811.

ENVIRONMENTAL COMPLIANCE:

All environmental compliance measures required for the projects contained within the IIP will be met prior to project implementation.

COMMITTEE STATUS:

The Operations Committee reviewed the proposed FY 2026-2030 Infrastructure Improvement Plan (IIP) and forwards the IIP to the Board of Directors with a recommendation to adopt Resolution No. 811 approving the plan.

LIST OF EXHIBITS:

- 1) COMB Proposed FY 2026-2030 Infrastructure Improvement Plan
- 2) Resolution No. 811



INFRASTRUCTURE IMPROVEMENT PLAN FY 2026-2030



ENGINEERING - OPERATIONS

CACHUMA OPERATION AND MAINTENANCE BOARD

Board of Directors

Polly Holcombe, President
Carpinteria Valley Water District

Kristen Sneddon, Vice President
City of Santa Barbara

Lauren Hanson, Director
Goleta Water District

Cori Hayman, Director
Montecito Water District

This Infrastructure Improvement Plan FY(s) 2026-2030 was prepared under the direction of Janet Gingras, General Manager.

Staff Contributors

Joel Degner, Engineer / Operations Manager

Edward Lyons, CFO / Administrative Manager

Elijah Papen, Water Resources Analyst

Shane King, Operations Supervisor

Dorothy Turner, Administrative Assistant

Rosey Bishop, Administrative Assistant

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EXECUTIVE SUMMARY

Protecting and Improving Water Conveyance Reliability

The Cachuma Project was constructed in the early 1950s by the United States Department of the Interior, Bureau of Reclamation (Reclamation) under contract with the Santa Barbara County Water Agency on behalf of the Cachuma Member Units. The Cachuma Member Units are the Goleta Water District (GWD), the City of Santa Barbara (City of SB), Montecito Water District (MWD), Carpinteria Valley Water District (CVWD), and the Santa Ynez River Water Conservation District - Improvement District No. 1 (ID#1).

Cachuma Operation and Maintenance Board (COMB) is a California Joint Powers Agency formed in 1956 by the Cachuma Member Units pursuant to an agreement with Reclamation. The COMB Member Agencies are GWD, City of SB, MWD, and CVWD. An agreement with Reclamation transferred to the COMB Member Agencies the responsibility to operate, repair, and maintain all Cachuma Project facilities exclusive of Bradbury Dam. COMB is the mechanism through which the Member Agencies carry out that responsibility.

The Cachuma Member Units entered into contracts in 1949 (ID#1 in 1954) with the Santa Barbara County Water Agency for the purpose of receiving water from the Cachuma Project for use and benefit of the Cachuma Member Units. Over the past seventy years, the Cachuma Project has been the principal water supply for the Santa Ynez Valley and South Coast Communities, delivering water to over 200,000 people.

Water from Lake Cachuma is conveyed to the COMB Member Agencies through the North Portal Intake Tower located at Lake Cachuma approximately mid-reservoir. The North Portal Intake Tower conveys water into the Tecolote Tunnel, which extends 6.4 miles southeast through the Santa Ynez Mountains to its southern terminus (South Portal) located in the foothills of Goleta. Conveyed water continues into the South Coast Conduit (SCC), which is primarily a concrete-lined, concrete encased, large diameter steel cylinder pipeline extending 26 miles from Goleta to Carpinteria. Overall, the conveyance system is comprised of these major infrastructure elements: the North Portal Intake Tower (inclusive of the Secured Pipeline), Tecolote Tunnel, South Coast Conduit, Sheffield Tunnel, four regulating reservoirs (Glen Anne, Lauro, Ortega, and Carpinteria), and appurtenant structures along the entire system (control stations, blowoffs, air vent air release (AVAR) valves, turnouts, flow control valves, meters, instrumentation, etc.).

This COMB Infrastructure Improvement Plan (IIP) outlines critical system components to be improved, repaired, or replaced to ensure reliability of service, and provides project prioritization, scheduling, and cost estimates for budgetary decisions. The guiding principle contained within this IIP is to protect the interests of the COMB Member Agencies by ensuring each asset maintains regulatory compliance, reliability, and safety. The intent of this IIP is to

set forth a reasoned decision-making methodology that will protect infrastructure, water conveyance abilities, and avoid exorbitant future cost.

COMB management and staff developed this IIP to provide a methodology for COMB Directors to make cost effective capital improvement decisions. The Board of Directors and staff are proud to serve as stewards of this public asset which provides the lifeline conveyance of water necessary for the economy and quality of life on the South Coast of Santa Barbara County.

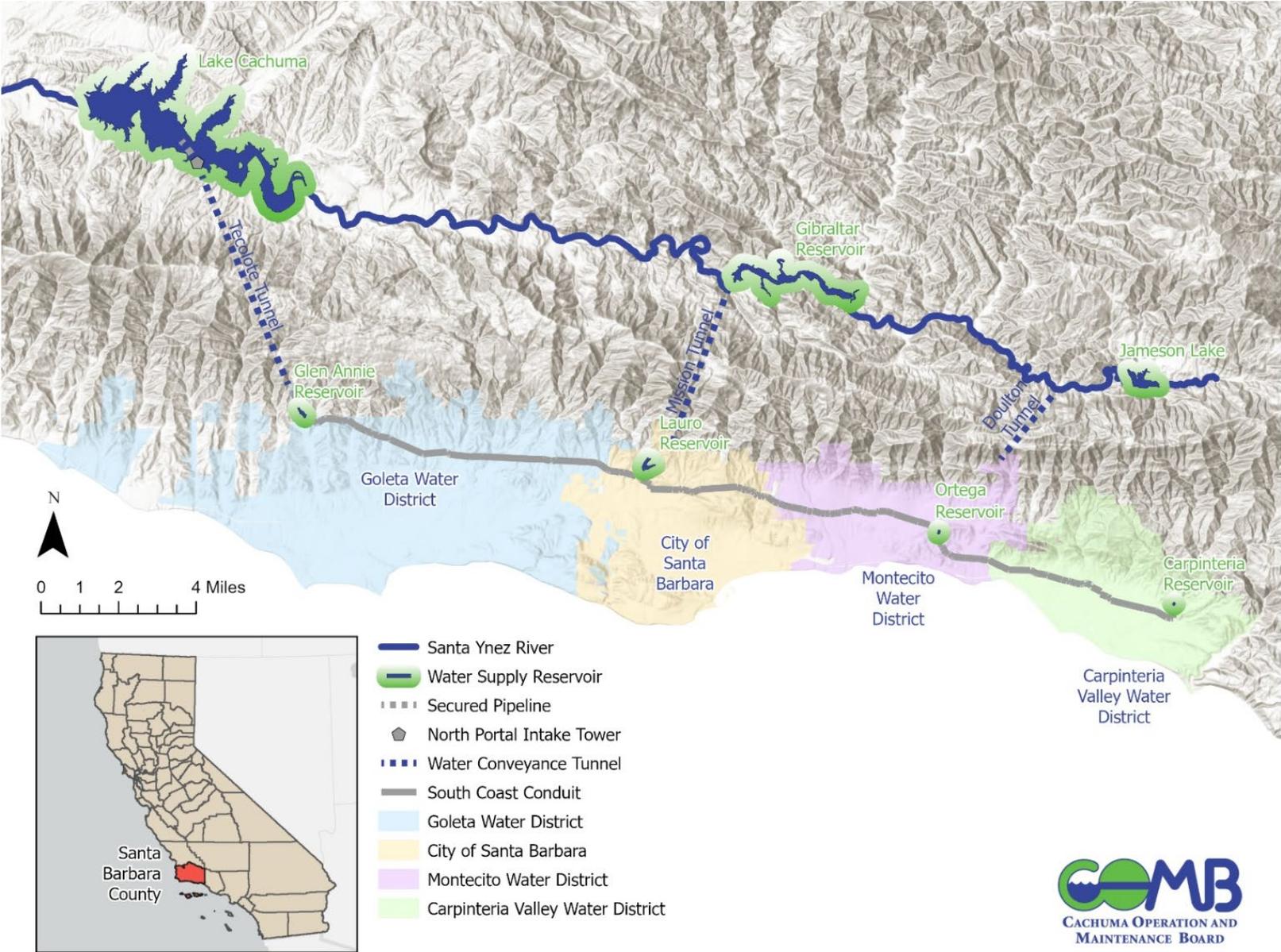


Figure 1. Cachuma Project Infrastructure and Location Overview Map

ACRONYMS AND ABBREVIATIONS

AMS - Asset Management Spreadsheet
ASI - Annual Site Inspection
BA - Biological Assessment
BO - Biological Opinion
CCRB - Cachuma Conservation Release Board
CCWA - Central Coast Water Agency
CD - Carpinteria Dam
CFR - Comprehensive Facility Review
City of SB - City of Santa Barbara
COMB - Cachuma Operation and Maintenance Board
CVWD - Carpinteria Valley Water District
EPA - United States Environmental Protection Agency
GAD - Glen Anne Dam
GWD - Goleta Water District
ID#1 - Santa Ynez River Water Conservation District, Improvement District No.1
IIP - Infrastructure Improvement Plan
IRWMP - Integrated Regional Water Management Plan
LD - Lauro Dam
MA - Member Agencies
MU - Member Units
MURRP - Modified Upper Reach Reliability Project
MWD - Montecito Water District
NEHRP - National Earthquake Hazards Reduction Program
OD - Ortega Dam
OSR - Other Staff Recommendations
PFR - Periodic Facility Review
RO&M - Review of Operation and Maintenance
SBCAPCD - Santa Barbara County Air Pollution Control District
SBCWA - Santa Barbara County Water Agency
SCC - South Coast Conduit
SIR - Special Inspection Report
SSCPO - Slope Stabilization and Channel Protection Observations
ST - Sheffield Tunnel

ACRONYMS AND ABBREVIATIONS (cont'd)

SWP - State Water Project

SWRCB - State Water Resources Control Board

SYR - Santa Ynez River

SYRWCD - Santa Ynez River Water Conservation District, or Parent District

TT - Tecolote Tunnel

USBR - United States Bureau of Reclamation, or Reclamation

COMB INFRASTRUCTURE IMPROVEMENT PLAN FISCAL YEAR 2026-2030



Figure 2. *Lake Cachuma North Portal Intake Tower Maintenance*

ENGINEERING - OPERATIONS

1. INFRASTRUCTURE IMPROVEMENT PLANNING

1.1. Introduction

The COMB IIP formalizes the capital projects implementation strategy needed to complete COMB Board objectives. The IIP identifies, prioritizes, schedules, and costs out capital projects necessary to protect, improve, and sustain a reliable source of water conveyed from the Cachuma Project to Santa Barbara County South Coast communities. The IIP provides decision-making workflows for allocating resources in a structured manner. The IIP spans a five-year planning horizon and will be updated and annually submitted to the Operations Committee for review and comment. Following Operations Committee review and recommendations, the IIP and its annual amendments will be presented to the Board of Directors for final approval and used as a planning document for budget creation.

1.2. Background

Capital projects have historically been a component of the COMB annual budgetary planning process. The comprehensive identification of near and long-term projects over a five-year planning horizon is subject to annual amendments as the identification and analysis of capital projects evolves and cost estimates are refined.

Prior to drafting this IIP, COMB conducted a critical needs assessment, which included an internal inventory of assets, condition assessments, estimates of replacement costs, and the date by which assets require immediate or near-term replacement for major infrastructure and appurtenances. This assessment and documentation have been supplemented with Reclamation site inspection recommendations (periodic and comprehensive reviews) of selected Cachuma Project facilities and components every 3rd and 6th year. This IIP incorporates elements of COMB internal analysis and Reclamation site inspections to produce a list of projects for further consideration. The projects included in this IIP represent a level of investment necessary to continue to meet regulatory requirements, critical needs, and sustain vital infrastructure, as well as projects which will proactively protect or improve the system to better serve the community.

1.3. Purpose

The IIP identifies capital project recommendations to maintain or improve the Cachuma Project System level of service and sets forth review criteria for prioritizing and scheduling during the five-year period. The IIP is intended to serve many purposes including:

➤ **Long Range Planning Document**

As a long-range planning document, the IIP describes the key infrastructure improvements required over the five-year horizon and identifies additional projects that should be evaluated on a regular basis for potential future inclusion. The goal of the five-year plan is to put into writing a path forward for project implementation, taking into consideration a complex set of constraints.

➤ **Cachuma Project Cost Analysis**

The IIP provides the best available cost estimates for each capital project and clearly communicates the assumptions underlying the cost estimates. When applicable, potential grant, loan, or alternative funding mechanisms will be provided as a note, modifying the project costs on an individual basis. Cost estimates prepare the Member Agencies for anticipated future costs and provide realistic inputs for their respective rate analysis efforts.

➤ **Budget Development**

The annual COMB operating budget outlines discrete projects and affiliated costs to communicate needed investment for the forthcoming fiscal cycle. The IIP will provide detailed guidance on priority projects to be included in the annual operating budget.

Note: the inclusion of a project in the plan does not authorize its implementation and construction. Funding is only authorized for projects in the upcoming fiscal year in accordance with the adoption of an annual budget. Before each project is allowed to move forward, it must be demonstrated that the capital funding is assured and that the ongoing maintenance and operating requirements can be sustained within forecasted operating resources.

➤ **Communication to Stakeholders**

The IIP communicates to COMB’s stakeholders the array of infrastructure improvements necessary to maintain a reliable supply of water. Communicating the condition of assets and the challenges associated with competing financial resources provides transparency and a basis for our Member Agencies to consider how COMB capital projects relate to their own priorities.

➤ **Established Goals**

The IIP was developed by balancing the following established goals: 1) carryout COMB Mission of providing a reliable source of water to our Member Agencies; 2) identify infrastructure vulnerabilities and operational deficiencies (Risk Management); 3) provide for a systematic selection of critical projects; 4) maintain current level of service while allocating infrastructure improvement costs over time; 5) seek out funding requirements for long term capital planning; 6) use as a basis for annual budget development; 7) create a framework for ensuring reliable and sustainable operations; and 8) deliver as a planning document for the Board of Directors.

2. SUMMARY OF MANAGED ASSETS

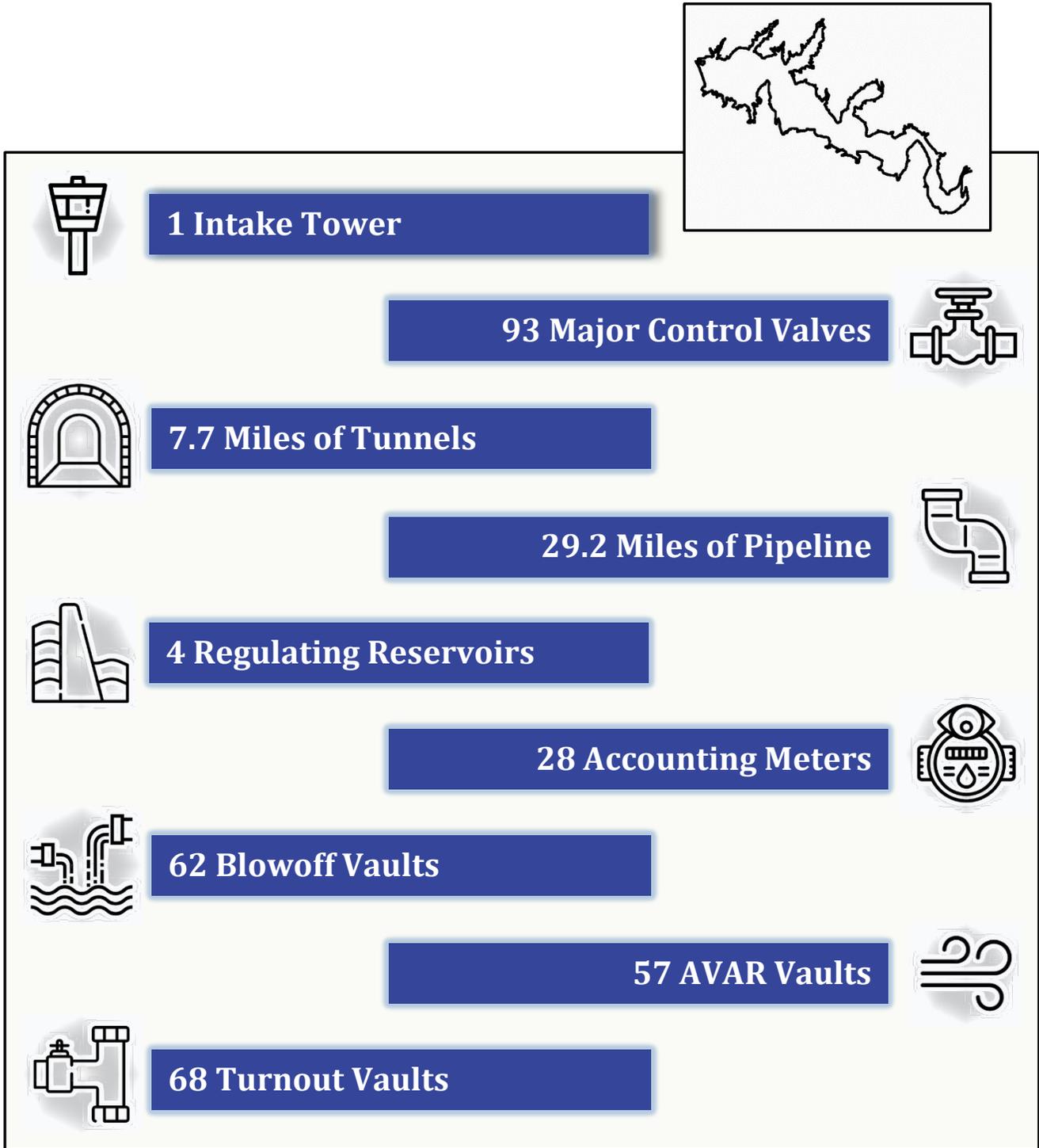


Figure 3. Summary of Managed Assets Figure

INTAKE TOWER

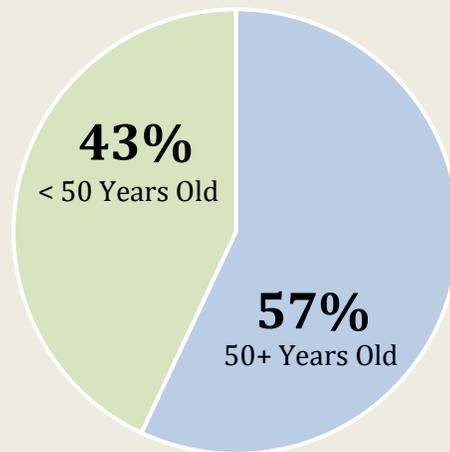
COMB operates and maintains the North Portal Intake Tower, which diverts water from Lake Cachuma into the Tecolote Tunnel and to the South Coast Conduit (SCC) for delivery to COMB Member Agencies. The vertical intake tower was built by the U. S. Bureau of Reclamation during construction of the Cachuma Project and stands 120 feet tall. The intake tower is located approximately mid-reservoir and contains five slide gates, each at varying levels on the pentagonal-shaped tower. The slide gates are used to manage the conveyance of water from the lake at various elevations depending on lake conditions. In February 2023, the Lake Cachuma Emergency Pumping Facility Secured Pipeline Project modified the system to increase drought resilience and access to better water quality. This was achieved by connecting 3,600 feet of bottom-anchored HDPE pipeline from the bottom slide gate (Gate 5) to deeper waters, with a new screened gravity intake at “Site 1.”

VALVES

COMB maintains 93 large control valves and slide gates located within gate chambers, control stations, dam inlet-outlet works, and key blowoff locations. Most of the large control valves measure 30 inches or more in diameter. The large control valves are located throughout the system and allow distribution or service area isolation when maintenance on the system is required. COMB performs annual maintenance to ensure their operability. 57% of the valves existing in the system are over 50 years old and are subject to increased risk of inoperability. The large blowoff valves near San Antonio Creek were rehabilitated in 2018 and the La Mirada Isolation Valve was added in 2022.



Figure 4. Lauro Control Station Gate Valve



Newer valves up 12%* since IIP FY 2021-2025

*Increase partially due to inclusion of major blowoff valves

TUNNELS

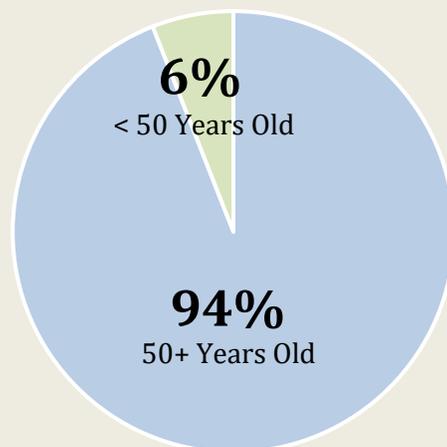
COMB maintains five separate tunnels covering over 7.7 miles throughout the Cachuma Project system. The tunnels vary in size, with the most significant being the 6.4-mile Tecolote Tunnel, which provides water conveyance from Lake Cachuma through the Santa Ynez Mountains to the South Coast Conduit where it is delivered to the water districts. The tunnels are 7 feet tall, horseshoe shaped, and concrete walled, built by Reclamation during the creation and installation of the Cachuma Project. The building of the tunnels required years of difficult work within confined spaces prone to extreme temperatures and flooding.

PIPELINE

COMB operates and maintains over 29.2 miles of concrete conveyance pipeline throughout the system. The primary pipeline is referred to as the South Coast Conduit (SCC) and is composed of over 9.5 miles of 48-inch diameter reinforced concrete cylinder pipe in the upper reach of the system, and 17.0 miles of 27 to 36-inch bar-wrapped concrete cylinder pipe within the lower reach. The SCC is original with the exception of 330 feet installed as part of a Highway 154 realignment in 1970, 2,900 feet of welded steel pipe installed in 1980, and approximately 2,000 feet of welded steel pipe installed in the upper reach as part of the Modified Upper Reach Reliability Project (MURRP) in 2012. In February 2023, 4,025 feet of 36-inch HDPE pipeline was added for the primary alignment plus the flexible connection for the Lake Cachuma Emergency Pumping Facility Secured Pipeline Project. 94% of the South Coast Conduit is over fifty years old.



Figure 5. Terminus of MURRP Second Barrel



Newer pipeline up 3% since IIP FY 2021-2025

RESERVOIRS

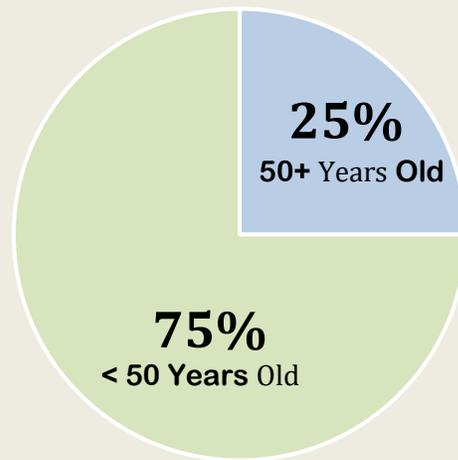
COMB operates and maintains four regulating reservoirs which balance conveyance operations within the South Coast area of the Cachuma Project system. Two of the reservoirs are zoned earth-filled embankment dams originally designed and installed by the Bureau of Reclamation. Lauro Dam has a structural height of 137 feet, a crest length of 540 feet, and a storage capacity of 518 acre-feet. Seismic safety modifications were completed in 2006, which brought the facility into seismic compliance. Glen Anne Dam located in the upper reach is currently non-operational. The two reservoirs located in the lower reach of the system are Ortega Reservoir and Carpinteria Reservoir. They are homogenous earth-filled structures and provide for over 100 acre-feet of storage capacity combined. Both Ortega and Carpinteria Reservoirs have two separate bays divided by a center wall and were covered with aluminum roofs in 2007 and 2005, respectively.

METERS

COMB reads and maintains 28 accounting meters throughout the system. Some of the meters are original venturi style meters installed in the early 1950s. Other meter styles found within the system include propeller, compound, and nine recently installed high accuracy mag-meters. Of the 28 meters, 11 are integrated with SCADA to allow remote tracking and historical logging of flow measurements. COMB also tracks pressure and water quality parameters such as turbidity, specific conductance, pH, and temperature using sensors located at the North Portal.



Figure 6. Montecito Pump Station Meter



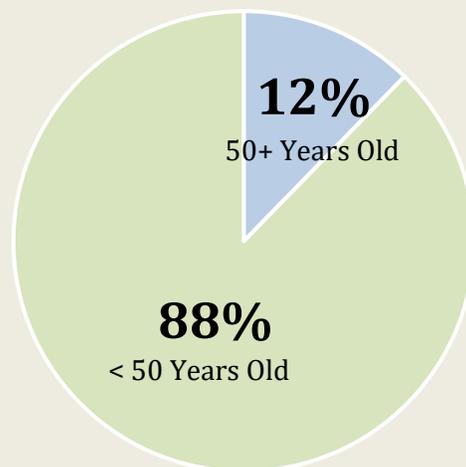
Newer meters up 14% since IIP FY 2021-2025

STRUCTURES

COMB operates and maintains approximately 200 SCC structures throughout the system. This includes 62 blowoff vaults, 57 air-vacuum air-release (AVAR) vaults, and 68 turnouts through the peaks and valleys of SCC system. Each structure is unique, but generally consists of a concrete vault structure, metal lid with lock box, ladder rungs, SCC access hole with lid, and either blowoff pipe plumbing, AVAR plumbing, or turnout plumbing with risers and valves. The purpose of these appurtenant structures is to allow staff access to system components, in order to release/admit air for pipeline protection, release water for maintenance purposes or emergencies, and to service internal assembly and/or valves. Over 20% of these components are over fifty years old. Significant progress has been made within the last five years, and now almost 90% of the structures have been rehabilitated as part of a structure rehabilitation program started in the early 2000s, with 16 turnouts in the Carpinteria Reach being rehabilitated in FY 2024-2025 alone.



Figure 7. Blowoff Structure at Station 99+22



Newer structures up 18% since IIP FY 2021-2025

3. PROJECT IDENTIFICATION

3.1. Introduction

Projects outlined in the IIP have been identified based on Reclamation inspection recommendations, COMB asset inventory analysis, and other staff observations and recommendations. The identification of a project within the five-year plan does not guarantee construction. The initiation of any project requires other evaluations and approvals that must be completed for a project to advance to design and ultimately construction. Additionally, the COMB Board has the ongoing ability to review and revise projects based upon unforeseen conditions, priorities, and financial resources.

3.2. Reclamation Identified Projects

Inspection Recommendations

Reclamation inspects selected Cachuma Project facilities and components operated and maintained by COMB as part of their Annual Site Inspections (ASI) every year, Periodic Facility Reviews (PFR) every three years, Comprehensive Facility Reviews (CFR) every six years, Review of Operation and Maintenance (RO&M) when needed, and Special Inspection Reports (SIR) when needed. After the inspections are completed, Reclamation provides a report to COMB summarizing the corrective actions recommended for implementation. The recommendations fall under three categories:

- **Category 1** recommendations involve the correction of severe deficiencies where immediate and responsive action is required to ensure structural safety, operational integrity of a facility, or operating personnel/public safety.

Note: completion of the SCC AVAR Valve Replacement / Relocation Project Schedule F work in the Carpinteria area allowed COMB to close all current Category 1 recommendations with Reclamation during the previous IIP cycle FY 2021-2025.

- **Category 2** recommendations cover a wide range of important matters where action is needed to prevent or reduce further damage, preclude possible operational failure of a facility, or reduce safety risks to operating personnel/public.
- **Category 3** recommendations cover less important matters but are believed to be sound and beneficial suggestions to improve or enhance the O&M of the project or facility.

3.3. COMB Identified Projects

Asset Inventory Analysis

The first step in identifying projects internally is to evaluate and record the current state of existing assets. Asset management plans assist agencies in maintaining a desired level of service at the most appropriate cost for rehabilitating, repairing or replacing an asset. The development of an asset management plan requires a comprehensive inventory and characterization of major assets, including valves, meters, blowoffs, air vents, and other important structures. COMB operates and maintains the Cachuma Project critical infrastructure assets which include the North Portal, Tecolote Tunnel, South Coast Conduit, Sheffield Tunnel, and Glen Anne, Lauro, Ortega, and Carpinteria Reservoir locations. A comprehensive inventory was assembled for COMB assets using the Gutteridge, Haskins & Davey (GHD) asset management spreadsheet available through the EPA website.¹ The GHD spreadsheet allows for organizing a hierarchy of assets, which can be characterized by asset class, original cost, replacement cost, effective life, probability of failure, and renewal strategy (abandon, maintain, repair, replace), among other inputs. It is useful for viewing assets and their current conditions in a single location, while identifying assets or categories of assets that will need near or long-term work. The consequences of failure were rated from 1 to 10, with 10 being the most consequential, according to the expected impact to the system according to Table 1. The condition of each asset was assessed utilizing a rating from 1 to 10 based on the conditions in Table 2. The assets were then sorted by the consequence of failure rating and then by the condition rating to determine project criticality.

Table 1. *Consequence of Failure (COF) Rating*

CoF Rating	Description	Percent Affected	Level
1	Minor Component Failure	0-25%	Asset
2	Major Component Failure	25-50%	Asset
3	Major Asset Failure	0-25%	Asset
4	Multiple Asset Failure	25-50%	Facility / Sub-System
5	Major Facility Failure	50-100%	Facility
6	Minor System Failure	20-40%	Total System
7	Medium System Failure	40-60%	Total System
8	Intermediate System Failure	60-80%	Total System
9	Significant System Failure	80-90%	Total System
10	Total System Failure	90-100%	Total System

¹ EPA. 2016. https://www.epa.gov/sites/production/files/2016-01/epa_smsm.xls

Table 2. *Condition Assessment Rating*

Condition Rating	Description	Maintenance Level
1	New or Excellent Condition	Normal periodic maintenance (PM)
2 to 3	Minor Defects Only	Normal PM, Minor corrective measures (CM)
4 to 5	Moderate Deterioration	Normal PM, Major CM
6 to 7	Significant Deterioration	Major repair, rehabilitate
8 to 9	Virtually Unserviceable	Rehabilitation unlikely
10	Unserviceable	Replace

Slope Stabilization and Channel Protection Observations

The SCC is a 26-mile water conveyance pipeline that delivers Cachuma Project water to over 200,000 residents along the South Coast of Santa Barbara County. Strategically located along the foothills, the pipeline crosses drainages, culverts, creeks, and other vulnerable areas where downcutting and/or aggradation occurs. COMB staff monitor these areas frequently, looking for signs of SCC exposure to protect exposed pipeline as soon as possible and to avoid subsequent damage and weathering. Key slope stabilization and channel protection projects have been included as an important mode of project identification and characterization. Historically, field observations by COMB staff have been instrumental for protecting the system. In addition to field observations, COMB staff keeps an inventory of all creek crossings and uses engineering drawings and the latest lidar or Digital Elevation Model (DEM) data to perform depth of cover vulnerability assessments as a desktop exercise. Desktop GIS exercises allow COMB staff to quickly screen areas of concern for focused field observations alongside general observations.

Other Staff Recommendations

COMB staff may identify projects that are not included in the Asset Management Spreadsheet or the Slope Stabilization and Channel Protection Observations. These projects typically represent improvements to the system that could increase system capacity, efficiency, flexibility, or reliability. These projects could include the installation of new line valves, new meters, or other new elements or upgrades. COMB staff are constantly brainstorming ideas to improve operations and/or decrease costs by making the system more efficient. This category also includes directives from the COMB Board. For example, projects under this category would include those contributing towards meeting sustainability goals, conservation of water, cooperation between agencies, etc.

4. PROJECT SORTING

4.1. Introduction

To evaluate projects systematically, COMB staff created project priorities and ranked the projects in order of criticality. The purpose of utilizing this methodology was to accurately separate the projects into categories from high to low priority category. The ranking informs the COMB Board when reviewing, approving, and budgeting for implementation of important capital projects. COMB staff prioritized a comprehensive list of proposed projects using six priority categories described below.

4.2. Priorities

Priority 1: Regulatory, Legal, or Safety Requirement

These projects are subject to the requirements of federal, state, or local regulatory agencies and laws, with noncompliance resulting in fines or other adverse actions. This priority ranking also includes projects that reduce or eliminate unsafe working conditions for staff.

Priority 2: Required to Maintain Level of Service

These projects maintain the current level of service to COMB's Member Agencies. These projects reduce potential disruptions, water loss, and property damage that could occur without replacement. In general, these projects replace valves and infrastructure that are currently inoperable and whose failure would result in an unplanned shutdown of deliveries or disruption in the transmission of critical operations data.

Priority 3: Addresses Critical Deficiency

A critical deficiency has the potential to significantly jeopardize COMB's ability to serve its Member Agencies. These deficiencies have been identified by Reclamation, COMB staff, or outside experts. Projects under Priority 3 address known critical deficiencies that could result in major infrastructure failure, deteriorated water quality, or limited water production.

Priority 4: Evaluates Significant Deficiency

A potential significant deficiency which requires further engineering investigation and design. These projects would evaluate the significance of the deficiency and potential solutions to mitigate the deficiency.

Priority 5: Proactive Aging Infrastructure Replacement

These projects provide funding for the proactive replacement, upgrade, or improvement of a facility that is at the end of its useful service life. Although an asset may be at its assumed

end of useful life, it may remain functional for many years; therefore, the replacement is considered proactive until the asset becomes inoperable.

Priority 6: System Reliability and Improvements

These projects consist of improvements to the system reliability, providing backup systems to better maintain levels of service during and after emergency events (i.e., wildfires, earthquakes, floods). Additionally, projects under this category may contribute to broader goals in providing improvements to the overall system.

The project priorities are summarized in Table 3 below, which also provides the project identifier and project name. For additional information on these projects, please see Appendix A: IIP Project Descriptions and Appendix B: Projects for Future Consideration. For ease of use, the order in which the projects are listed in Table 3 is mirrored in Appendix A, Appendix B, and later in this report within the 5-year budget matrix.

Table 3. Project Priority Characterization

Priority	Project ID*	
Priority 1: Regulatory, Legal, or Safety Requirement	2025-C-10	Lauro Outlet Works Tunnel Safety Improvements
	2025-C-3	North Portal Elevator Modification Study / Implementation
Priority 2: Required to Maintain Level of Service	2013-2-L	Lower Reach South Coast Conduit Blowoff / AVAR Valve Replacement
Priority 3: Addresses Critical Deficiency	2018-C-4	Lauro Reservoir Bypass Channel Road Improvements
	2007-2-B	Sheffield Tunnel Evaluation and Repair
	2016-C-1	North Portal Intake Tower and Gate Chamber Seismic Assessment / Engineering
	2025-C-5	Critical Access Road Maintenance and Improvements
	2018-2-A	Lauro Reservoir Intake Assessment and Repair
	2025-C-4	Upper Reach Blowoff Riser Nozzle Rehabilitation
	2013-C-1	Meter Replacement Program
Priority 4: Evaluates Significant Deficiency	2019-C-4	Critical Control Valve Replacement
	2019-C-10	South Coast Conduit Interior Pipeline Inspection
	2005-2-B	Tecolote Tunnel Weep Hole Restoration
Priority 5: Proactive Aging Infrastructure Replacement	1999-2-A	Tecolote Tunnel Concrete Deterioration Investigation
	2013-C-1	North Portal Jet Flow Control Valve Replacement
Priority 6: System Reliability and Improvements	2025-C-2	Multi-Site Renewable Energy and Resiliency Planning / Installation

*Project ID: Year – Source [USBR Category 1,2, or 3 or C for COMB] – Tracking Code [USBR letter or COMB number]

5. FUNDING

5.1. Introduction

Funding of projects identified in the IIP will be determined annually by the COMB Board as a component of the development and approval of the annual budget. Fund sources for IIP implementation will be derived from either long-term or short-term financing, grants, or ongoing assessments from each of the participating Member Agencies. The cost estimates included for each IIP project are derived from internal estimates or developed by professional engineering consultants. Estimates may change as more precise information becomes available.

The allocation of IIP funds is a separate component of the annual COMB Budget. Amendments to the IIP during the fiscal year will be reviewed by the COMB Operations Committee and require approval by the Board of Directors for any expenditure modification exceeding 10% of the project amount, per the COMB procurement policy. Expenditure authority for individual projects, unless otherwise directed, is available for the current fiscal year following the date of approval.

5.2. Five-Year Budget Matrix

The five-year budget matrix presents important projects to be completed within the five-year planning horizon outlined in this document. Accordingly, COMB has prepared a proposed Five-Year Budget Matrix for Infrastructure Improvement Projects (Table 4). For planning purposes, the projects were sorted into priority categories by the condition rating followed by the consequence of failure rating. Projects that are proposed to occur earlier have been scheduled as such due to high criticality or personnel safety issues. Projects have been scheduled in a manner that reduces risk and spreads costs across fiscal years, taking advantage of grant opportunities when available.

Unknown conditions and timing of future project implementation could affect the five-year budget planning matrix. For example, the Lake Cachuma Emergency Pumping Facility Pump Station is a significant capital expenditure (~\$2.2m) that is required to maintain service during drought conditions but would only be implemented if drought conditions occur. This five-year budget matrix will be updated as emergencies and/or environmental conditions require the implementation of extraordinary capital improvement projects.

Table 4. Five-Year Budget Matrix for All Projects

		Project ID	Project Name	2025-26	2026-27	2027-28	2028-29	2029-30	5-yr Total	
Priority	1	2025-C-10	Lauro Outlet Works Tunnel Safety Improvements	\$125,000					\$125,000	
		2025-C-3	North Portal Elevator Modification Study / Implementation	\$100,000	\$400,000	\$600,000			\$1,100,000	
	2	2013-2-L	Lower Reach South Coast Conduit Blowoff / AVAR Valve Replacement	\$90,000	\$80,000	\$140,000			\$310,000	
		2018-C-4	Lauro Reservoir Bypass Channel Road Improvements ⁽¹⁾	\$1,245,000					\$1,245,000	
	3	2007-2-B	Sheffield Tunnel Evaluation and Repair ⁽²⁾	\$130,000	\$400,000				\$530,000	
		2016-C-1	North Portal Intake Tower and Gate Chamber Seismic Assessment / Engineering	\$150,000	\$150,000				\$300,000	
		2025-C-5	Critical Access Road Maintenance and Improvements	\$50,000		\$450,000	\$250,000	\$150,000	\$900,000	
		2018-2-A	Lauro Reservoir Intake Assessment and Repair ⁽³⁾	\$75,000	\$250,000				\$325,000	
		2025-C-4	Upper Reach Blowoff Riser Nozzle Rehabilitation			\$200,000	\$200,000	\$250,000	\$650,000	
		2013-C-1	Meter Replacement Program	\$100,000		\$150,000	\$100,000	\$100,000	\$450,000	
		2019-C-4	Critical Control Valve Replacement	\$75,000	\$425,000		\$450,000		\$950,000	
		2019-C-10	South Coast Conduit Interior Pipeline Inspection		\$75,000		\$300,000	\$300,000	\$675,000	
	4	2005-2-B	Tecolote Tunnel Weep Hole Restoration	\$100,000		\$100,000			\$200,000	
		1999-2-A	Tecolote Tunnel Concrete Deterioration Investigation	\$150,000					\$150,000	
	5	2013-C-1	North Portal Jet Flow Control Valve Replacement					\$600,000	\$600,000	
	6	2025-C-2	Multi-Site Renewable Energy and Resiliency Planning / Installation ⁽⁴⁾	\$125,000	\$150,000		\$200,000	\$100,000	\$575,000	
	Subtotal				\$2,515,000	\$1,930,000	\$1,640,000	\$1,500,000	\$1,500,000	\$9,085,000
	Grant Funding / Member Agency Offsets				(\$954,000) ⁽⁵⁾	(\$250,000) ⁽⁶⁾				(\$1,204,000)
Total				\$1,561,000	\$1,680,000	\$1,640,000	\$1,500,000	\$1,500,000	\$7,881,000	

(1) Schedule depends upon grant funding opportunities, currently assumes \$800,000 in 404 funding FY 2025-26

(2) Sheffield Tunnel pipeline permanent repair or replacement to be determined after evaluation is completed

(3) Lauro Reservoir intake maintenance is required to be compensated by 1980 Agreement No. 0-07-20-L1582 by the City via the Cater JPA

(4) A grant offer has been accepted in the amount of \$79,000 from SBCAPCD FY 2025-26

(5) \$954,000 in Grant Funding / Member Agency Offsets for FY 2025-26 assumes \$800,000 in 404 funding for 2018-C-4, \$75,000 from the Cater JPA for 2018-2-A, and \$79,000 from SBCAPCD for 2025-C-2

(6) \$250,000 in Grant Funding / Member Agency Offsets for FY 2026-27 assumes \$250,000 from the Cater JPA for 2018-2-A

APPENDIX A: IIP PROJECT DESCRIPTIONS

Background

Operations staff conducts the Ongoing Visual Inspection Checklist (OVIC) for the outlet works tunnel housing the outlet works conduit as required by Reclamation’s Standing Operating Procedure (SOP) for Lauro Dam and Reservoir on at least a monthly basis. This requires entry through an above-ground conduit access structure, ladder descension into the confined space, and walking an 869-foot long, 7-foot high tunnel underneath the dam and reservoir to its terminus. A new railing system, ladders, and entrance hatch modifications were added to the conduit access structure in November 2004.

Need

The need for this project is due to ongoing safety concerns for personnel entering the outlet works tunnel. Due to the slope of the tunnel floor, water accumulating within the tunnel would drain and accumulate near the conduit access structure. Small volumes of water will escape through the existing drain structure, but in the event of a sudden break in the outlet works conduit (due to aging infrastructure, earthquake, or other causes), any entrants would quickly become engulfed as the exit floods. The current design is not acceptable in terms of routing large volumes of water away from the single exit and maximizing personnel safety in the event of an emergency scenario. Reclamation has recommended several projects be conducted within the tunnel, however, COMB currently minimizes the time spent in the tunnel to reduce risks.

Description

The project includes modifying the existing conduit access structure to improve draining and safety elements. A combination ground level access door and drain way would be added to facilitate faster personnel egress and to evacuate large volumes of water, preventing floodwaters from backing up in the tunnel. In addition, a communication system will be installed as an improvement to existing handheld radio communication. Other safety features will be considered as recommended during the design and engineering phase. To date, 75% draft designs have been completed.



Figure A.1 Lauro Outlet Works Tunnel Access House

PRIORITY CATEGORY

1. Regulatory, Legal, or Safety Requirement

ESTIMATED COST

\$125,000

Fiscal Year	Phase	Cost
2025-26	Final Design/Cons	\$125,000

Environmental / Permitting Considerations:
Reclamation Technical Center would need to review and approve any changes to the dam infrastructure to ensure that no changes are made which could impact dam safety.

Background

This study will improve safety and functionality in one of COMB’s critical facilities. The North Portal Elevator is the only access point to the jet flow control valve and bypass controlling flow into the Tecolote Tunnel. Routine staff entry into the gate chamber is required to calibrate instrumentation, access valves, and to inspect or make other adjustments as needed. The existing elevator shaft is 8 feet in diameter and 156 feet deep, containing an enclosed elevator car for descension into the gate chamber. In an emergency, entrants need to utilize a small emergency door on the ceiling of the elevator car and ascend 140 feet of ladder rungs up to the surface doors using a full body harness and fall arrest extraction system. Staff cannot be below the elevator at any time due to risks of being stuck below the elevator with no exit available.

Need

The existing elevator has been a longstanding concern due to its limited escape options and narrow shaft design. The study will result in a safer escape design and detailed evaluation of a modified elevator design with improved escape features, a secondary escape shaft, installation of modernized extraction systems, or other safety improvements as recommended. The overarching need is to modernize the extraction capabilities in the North Portal, ensuring that in case of an emergency, personnel can swiftly and safely evacuate the gate chamber. The current elevator system presents a significant challenge in terms of escape during emergencies.

Description

The study encompasses a comprehensive assessment and redesign of the existing elevator system in the North Portal facility. This project will include a detailed analysis of the elevator’s limitations and its escape features. A suite of potential solutions will be explored, and the best solution will be recommended. The study will include a thorough evaluation of safety protocols, engineering requirements, and modernization possibilities to determine the most viable solution for COMB’s needs. Smaller common sense safety modifications have begun and will continue to occur.



Figure A.2 North Portal Elevator Shaft

PRIORITY CATEGORY

1. Regulatory, Legal, or Safety Requirement

ESTIMATED COST

\$1,100,000*

Fiscal Year	Phase	Cost
2025-26	Study	\$100,000
2026-27	Implementation	\$400,000
2027-28	Implementation	\$600,000

**Construction costs are highly variable and dependent upon the outcome of the study.*

Environmental / Permitting Considerations: *There will be OSHA requirements to consider in the development of this study to modify this facility; other environmental, permitting, historic building considerations, and collaboration with Reclamation will be required.*

Background

Blowoff structures exist on all low points of a water distribution system. Blowoffs allow the conduit to be dewatered to conduct necessary maintenance and to perform emergency work. Combination air vacuum air release valves (AVARs) are located at high points along the pipeline and act to automatically expel air and relieve vacuum accumulation in pipes. If air is not adequately expelled, air pockets can constrict flows. If the vacuum is not relieved, serious damage or collapse of the pipeline can occur. Of the sixty-two blowoffs on the SCC – five need to have their valve replaced and/or be rehabilitated and four of fifty-seven AVARs need their valve replaced. Four shutdowns are needed to complete these replacements (F2, F3, F4, and F5).

Need

The remaining original and partially rehabilitated blowoffs need full rehabilitation due to extensive corrosion. The dependability of these components is necessary to allow the system to be dewatered for maintenance and response to an emergency break. Three blowoff structures are original (STA 698+55, 732+72, and 880+05) plus two additional blowoffs requiring replacement of the first valve (STA 804+24 and 902+96). Although all the AVARs are now above grade and coated, there are two (2) AVAR structures which require a shutdown to replace the first valve off the SCC at STA 703+00 and STA 755+84. Not completing this project could result in a major facility failure in multiple locations, uncontrolled loss of water, and inability to respond to an emergency.

Description

The project would require coordination with impacted Member Agencies during the required shutdowns of the SCC. The project consists of replacing manhole covers, blowoff nozzles, gate valves, upper spools, and discharge piping for original blowoffs and replacing first valves for partially rehabilitated structures. The work would be phased throughout four shutdowns (F2, F3, F4, and F5).



Figure A.4 Inside of Blowoff Structure

PRIORITY CATEGORY

2. Required to Maintain Level of Service

ESTIMATED COST

\$310,000

Fiscal Year	Phase	Cost
2025-26	F3, F4	\$90,000
2026-27	F2	\$80,000
2027-28	F5	\$140,000

Environmental / Permitting Considerations: *This project has been identified by the USBR as a Category 2 recommendation.*

Background

Lauro Reservoir is the Cachuma Project’s primary balancing reservoir on the South Coast and forebay for Cater Water Treatment Plant. Natural watershed flows upstream of Lauro Reservoir are required by the Division of Drinking Water to be routed around the reservoir for public safety. Watershed flows are captured by Lauro Debris Basin and diverted into a 24" HDPE storm drain, or onto the Lauro Reservoir Bypass Channel during more extreme storm events. In addition to routing emergency overflow, the bypass channel also collects runoff from the surrounding slopes, prevents shallow landslides, and provides vehicle access around the reservoir. Portions of the bypass channel were improved with a concrete road and retaining walls in 2007 and in 2023 after a significant washout.

Need

The need for this project is illustrated through repeated damages and public safety concerns since the 1960s. Damages have occurred in the following years: 1962, 1964, 1965, 1967, 1969, 1973-74, 1977-78, 1980, 1983-85, 1991-92, 1993-94, 1995, 1998, 2000, 2005, and 2023. Damages from excessive storm inputs included slides, washouts, erosion, high turbidity levels, water quality concerns, and the need to take Lauro Reservoir offline for varying periods. These storm events caused disruptions to water supply and quality and necessitated repairs. There remains 800ft of unimproved bypass channel with asphalt and gravel vulnerable to damage.

Description

Includes removal of the current asphalt and gravel sections and installation of a significantly more robust concrete bypass channel with curbs and retaining walls to match previously improved sections. The total length of the improved bypass channel would be approximately 800ft and would include retaining walls to hold back the slope and prevent shallow landslides onto the bypass channel and washouts of the road. The project would complete the bypass channel around Lauro Reservoir and prevent repetitive damages.



Figure A.5 Lauro Reservoir Bypass Channel Washout January 2023 Winter Storms

PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$1,245,000*

Fiscal Year	Phase	Cost
2025-26	Construction	\$1,245,000

*The Lauro Reservoir Bypass Channel Road Improvements (2018-C-4) project schedule depends upon grant funding opportunities. COMB goal of receiving \$800,000 in 404 funding for the project in FY 2025-26.

Environmental / Permitting Considerations:
Environmental and permitting will follow the same procedure as previous installations, and will include updated requirements and/or grant requirements

Background

The Sheffield Tunnel is a concrete tunnel housing the 30" Centrifugal Concrete Pipe (CCP) South Coast Conduit (SCC) that extends 6,100 feet in 12-ft segments between the Sheffield Control Station east of Mission Creek to Parma Park. Within the tunnel, sections of concrete pipe are connected and joined with steel bands, double gaskets, and mortar to maintain the integrity of the pipe collar connections. Water collected within Sheffield Tunnel accumulates and is routed into a creek drop inlet culvert downstream of the west portal of the tunnel.

Need

The USBR inspection report of the Sheffield Tunnel identified and recommended evaluating the deteriorating mortar joints and determined they are needed to ensure the structural integrity and proper function of the pipeline. Heavy seepage appears to be a contributing factor to deterioration. Deterioration potentially compromises the integrity of the tunnel and poses an operational risk. The 6,100-foot tunnel does not have redundancy and any damage to the SCC in this area would cause potential water supply disruptions, significant access challenges for repair work, and environmental damage in the uncontrolled release of water from the pipeline.

Description

An engineering firm has been selected to accompany COMB and Reclamation staff in their regularly schedule tunnel inspection, and to take notes on the condition of each joint. The engineering firm will provide their recommendations on phased repairs and plans for bypassing the Sheffield Tunnel in an emergency. Following the inspection, a qualified contractor will be selected to repair the cracks in the mortared joints without a shutdown. An internal pipeline inspection will then be conducted, and internal joint seals would be installed on the most severely deteriorated joints via manholes accessible along the pipeline. Sheffield Control Valves will need to be replaced prior to the internal pipeline work.



Figure A.6 Sheffield Tunnel and Pipeline

PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$530,000

Fiscal Year	Phase	Cost
2025-26	External+	\$130,000
2026-27	Internal+	\$400,000

Environmental / Permitting Considerations: *This project has been identified by the USBR as a Category 2 recommendation.*

Background

Water diversions from Lake Cachuma occur from the North Portal Intake Tower facility into the Tecolote Tunnel and the South Coast Conduit for water delivery to the Cachuma Project Member Agencies. The vertical intake tower free-stands 120 feet, is located approximately mid-reservoir, and contains 5 slide gates, each at varying levels on the pentagonal shaped tower. The slide gates are covered with mesh fish screens to prevent fish and debris from entering the tunnel. Water diversions are controlled 800 feet away through a 140-foot shaft to the gate chamber.

Need

The North Portal Intake Tower and Gate Chamber was constructed by the Bureau of Reclamation in the 1950's, at which time the standards for structural design requirements were not as stringent as today's compliance requirements. Structural elements of the intake structure and gate chamber would be examined to determine the general reliability of the tower, and recommendations for upgrades and refurbishments would be provided if needed. The consequence of not completing this project would be uncertainty in structure reliability during a seismic event, which could result in losing ability to deliver water to the South Coast while emergency repairs are made.

Description

This initial phase consists of acquiring consulting services of a qualified structural engineering firm to perform a Seismic Reliability Analysis and Physical Condition Assessment of the North Portal Intake Tower and Gate Chamber. It shall include a report of all findings and propose recommendations for structural rehabilitation to increase and/or ensure continued reliability of the structure in the occurrence of a large seismic event. It should also include recommendations for a temporary pump system from the lake to the gate chamber in the event of earthquake damage. An assessment of the intake tower is easier to perform during low lake levels, however this project is high priority and will likely occur starting in 2025.



Figure A.7 North Portal Intake Tower

PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$300,000*

Fiscal Year	Phase	Cost
2025-26	Assessment	\$150,000
2026-27	Engineering	\$150,000

*A condition assessment of the North Portal Intake Tower is ideally completed when the lake level is low exposing for examination. COMB goal of receiving \$300,000 in seismic funding for the project over fiscal years 2025-26 and 2026-27.

Environmental / Permitting Considerations: *No regulatory compliance measures are expected for this project as it is an assessment.*

Background

COMB maintains a network of critical access roads, often in remote locations, which allow passage to vital water conveyance facilities. Maintaining these access roads is a challenge due to the rugged terrain, steep surrounding hillslopes, periodic natural hazards, and natural weathering. Recent events, such as the damages inflicted by California Severe Winter Storms, Flooding, Landslides, and Mudslides (DR-4683-CA) in early January 2023, underscore the urgent need for elevated maintenance and improvements in these areas.

Need

The purpose of this project is to prevent interrupted access to essential water conveyance infrastructure. These access roads serve as the lifelines for maintenance crews, emergency responders, and equipment transportation, especially in cases of unforeseen events such as severe weather and natural disasters. The continuous weathering of these roads puts the safety of both personnel and the reliability of the water conveyance infrastructure at risk. This project is not only about road repair but also about fortifying the critical transportation arteries that connect essential facilities.

Description

COMB staff will prioritize fixing or improving roads in clear disrepair, those that provide non-redundant access to key facilities, and low-cost improvements. Solutions are site-specific, but will include erosion control measures, landslide mitigation, regrading, road resurfacing, and improvements to drainage systems at target locations including the North Portal Road, Glen Annie Road, Lauro Reservoir Bypass Channel, Sheffield Control Station Road, Ortega Reservoir Road, Greenwell Canyon, and Carpinteria Reservoir Road. Additionally, the improvements will incorporate measures to enhance the roads' resilience to extreme weather events and natural disasters, thereby reducing the risk of future damage.



Figure A.8 Glen Annie Road Damage following January 2023 Winter Storms

PRIORITY CATEGORY

3. Address Critical Deficiency

ESTIMATED COST

\$900,000

Fiscal Year	Phase	Cost
2025-26	Lauro	\$50,000
2027-28	North Portal/Sheffield	\$450,000
2028-29	Glen Annie	\$250,000
2029-30	Lauro/Greenwell	\$150,000

Environmental / Permitting Considerations: *This project has been identified by the USBR as a Category 2 recommendation.*

Background

The Lauro Reservoir intake structure was modified in 1981 by adding a stainless steel circular intake screen connected to a steel pipe which was inserted in the original concrete intake structure. A ½-inch thick steel circular bearing plate was installed on top of the existing concrete intake structure to cover the opening between the intake structure and vertical pipe and provide structural support. The 2018 dive report prepared by Reclamation states the intake structure is in satisfactory condition with the exception of the bearing plate. The bearing plate was observed to be fully covered with corrosion and rust nodules.

Need

The steel bearing plate on the intake structure has deteriorated because of corrosion and poses an operational risk for both the protection against outside intrusion of elements penetrating through the opening or structural support of the intake pipe and screen.

Description

Engineering services will be retained to determine the expected level of performance from the steel bearing plate (protection from outside element intrusion or structural). Engineering will need to be conducted by a structural engineer to determine if the steel bearing plate is necessary for support, and if required, a method to design a repair that will allow for continued structural support of the intake structure. The reservoir may need to be lowered to accommodate inspections and repairs.



Figure A.9 Corroded Steel Bearing Plate on Lauro Reservoir Intake Structure

PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$325,000*

Fiscal Year	Phase	Cost
2025-26	Engineering	\$75,000
2026-27	Construction	\$250,000

**The cost estimates assumes structural support may be added to the structure. However, it may be that the entire structure may need to be replaced which would increase costs significantly. This structure was added as part of the Reclamation agreement with the City of Santa Barbara No. 0-07-20-L1582. Based on the agreement, the costs of maintenance are to be compensated by the City of Santa Barbara through the Cater JPA.*

Environmental / Permitting Considerations: *This project has been identified by the USBR as a Category 2 recommendation.*

Background

Blowoff structures exist on all low points of a water distribution system and are important features of the South Coast Conduit (SCC) for draining the pipe during maintenance and emergency activities. There are 34 blowoff structures in the SCC Upper Reach. Most of the blowoff structures were rehabilitated from 2003 to 2007, however in many cases the blowoff riser nozzles were left in their existing condition. On October 20, 2022, a leak caused by several pinholes and cracks in the SCC Upper Reach blowoff riser nozzle at STA 639+50 was discovered and repaired. This event led to the broader discovery of several riser nozzles severely corroded and in need of repair.

Need

Several of the existing blowoff riser nozzles in the Upper Reach are in need or rehabilitation due to extensive corrosion. The dependability of these components is necessary to allow for pipeline dewatering for maintenance and emergency pipeline breaks. The consequence of not completing this project could result in periodic emergency leaks causing unplanned outages, facility failures in multiple locations, and potential risk of water contamination.

Description

There are 34 blowoffs in the upper reach, of which 17 could be recoated and anode installed without a shutdown. Fifteen blowoff risers appear to be corroded where an internal sleeve would need to be welded on the inside similar to the emergency work completed at STA 639+50. Two blowoff risers were fully rehabilitated following a leak in 2022. The internal sleeve rehabilitation would require a shutdown of sections of the SCC to facilitate repair, which would be coordinated with Goleta Water District and other affected Member Agencies. A contractor would then weld a smaller diameter pipe sleeved inside the corroded blowoff riser nozzle from the inside of the SCC, and clean, coat, and protect with a sacrificial anode prior to recharge.



Figure A.10 Corroded Blowoff Riser Nozzle at SCC Upper Reach Station 639+50 Before Repairs

PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$650,000

Fiscal Year	Phase	Cost
2027-28	Rehabilitation	\$200,000
2028-29	Shutdown/Rehab	\$200,000
2029-30	Shutdown/Rehab	\$250,000

Environmental / Permitting Considerations: *Water quality monitoring of the discharged water will need to be recorded in compliance with COMB NPDES Permit.*

Background

COMB is responsible for accurate water accounting on behalf of the Cachuma Project Member Agencies to the U.S. Bureau of Reclamation monthly. In addition, the State Water Resources Control Board is requiring meter audits at the water district level and may require water audits for wholesale agencies in the future. The process of water accounting entails recording data from twenty-nine meters located along the conveyance system from the North Portal of Lake Cachuma to the Carpinteria Reservoir. COMB monthly performs a mass balance and analysis of water accounting losses as part of its normal accounting procedures.

Need

COMB's water meters are critical to the water accounting and system operations. Several meters in the system have reached limited-life cycle phase and are likely in need of replacement in the next five years. Not completing the project could impact operations, system water accounting accuracy, and jeopardize compliance with Section 64561 of Titles 17 and 22 California Code of Regulations, which states "each water system shall: (b) meter the quantity of water flow from each source and record the total monthly production each month."

Description

COMB operates several electronic magmeters that are critical to system operations and water accounting that have reached limited-life cycle phase and are likely in need of replacement in the next five years. COMB operates electronic magmeters at Glen Anne Turnout, Goleta West, Ortega Inflow, Ortega Southflow, and Boundary which are utilized to manage system operations on a day-to-day basis and for monthly accounting of water use. Replacements would be purchased and installed for the Ortega Inflow, Ortega Southflow, and Boundary meters as the most critical, with additional meter replacement locations chosen based on priority.



Figure A.11 Montecito Pump Station Meter

PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$450,000

Fiscal Year	Phase	Cost
2025-26	Buy/Install	\$100,000
2027-28	Buy/Install	\$150,000
2028-29	Buy/Install	\$100,000
2029-30	Buy/Install	\$100,000

Environmental / Permitting Considerations:
Annual water audit reporting may be required for wholesale water agencies in the future as follow-up to SB 606

Background

A majority of the valves located at control stations along the South Coast Conduit are original and were installed in the 1950s. There are at least 93 large diameter valves in the system, ranging in size from 16 inches to 48 inches. Several of these valves are critical for operations, but many of the valves are obsolete and are not utilized for operations. During previous maintenance work and shutdowns, key valves in the system have been characterized as exhibiting excessive leak-by. This program would replace critical valves in the system at key control station locations.

Need

In-line isolation and control valves are needed to properly operate and maintain the system. Valves with excessive leak-by or poor operability impact system operations. The system is operated differently than originally designed after the installation of the William B. Cater Water Treatment Plant. Many system valves are no longer needed for operations. Obsolete valves and piping are potential points of failure and increase maintenance needs. The consequences of not completing this project include loss of control within control stations and excessive leak-by, which will impact operations during repair work requiring pipeline shutdown.

Description

This project would involve the systematic replacement of key control valves in the system with known operational deficiencies. Control station piping would be streamlined to reflect current operations, and obsolete valving would be removed from the control stations. Lauro and Sheffield Control Stations will be prioritized as they have not been recently evaluated and have not had any original valves replaced.



Figure A.12 Lauro Control Station Gate Valve

PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$950,000

Fiscal Year	Phase	Cost
2025-26	Sheffield	\$75,000
2026-27	Lauro	\$425,000
2028-29	Carpinteria	\$450,000

Environmental / Permitting Considerations:
Changes to the South Coast Conduit system to remove obsolete valves and piping would require Bureau of Reclamation review and approval.

Background

The South Coast Conduit (SCC) was installed in the late 1950's under a Reclamation design, using concrete pipe manufactured by American Pipe and Construction Company. During its service life, the archives show that aside from normal wear and tear, the conduit has been subjected to a number of slides and strike damage from debris. In October through December of 2007, Flowers & Associates, Inc. conducted a South Coast Conduit Examination and Repair Project (Phase 1) for the SCC Upper Reach STA 99+22 to 428+28 (15,557 feet inspected). In March of 2009, Phase 2 was completed for SCC Upper Reach STA 428+28 to 543+34 (11,629 feet inspected). Both inspections produced a number of useful observations, photos, and recommendations, including the location and degree of joint separation, cracks, grout spalling, and other signs of damage.

Need

Examination of the SCC would allow COMB to obtain condition status and preemptively repair sections of the pipeline before leaks occur. About 40% of the SCC Upper Reach (19,000 feet) and 100% of the SCC Lower Reach (85,000 feet) remains to be inspected.

Description

Contracted services would be procured for confined space inspection and related deliverables. The project will generally consist of an internal examination of sections of the South Coast Conduit. The inspection would require a shutdown of the SCC, which will be coordinated with Member Agencies. After inspection is complete, a full report including detailed inspection notes, photos, and recommendations would be provided to COMB. In the Upper Reach, manned inspections would be performed in a similar fashion as was completed in 2007 and 2009. However, due to the smaller pipe diameter and potable water transmission, the Lower Reach would need to be inspected via a remotely operated vehicle. The inspection of the Lower Reach is also challenging due to the limited available windows for a shutdown.



Figure A.13 Previous Inspection of SCC Interior

PRIORITY CATEGORY

4. Evaluates Significant Deficiency

ESTIMATED COST

\$675,000

Fiscal Year	Phase	Cost
2026-27	Inspection	\$75,000
2028-29	Inspection	\$300,000
2029-30	Inspection	\$300,000

Environmental / Permitting Considerations: *There will be OSHA, confined space, lockout/tagout requirements to consider in the development of this project.*

Background

Included in the construction of the Tecolote Tunnel were a series of “weep holes” that allow ground water to flow into the tunnel. The weep holes serve two purposes: 1) to relieve the ground water pressure on the outside of the tunnel structure and 2) provide for the importation of usable ground water into the tunnel.

Need

There were 576 2-inch diameter weep holes installed in the Tecolote Tunnel during construction. Many of the weep holes have been subjected to mineral accumulation creating deposits which clog the flow into the tunnel. Hydrogen sulfide has contributed to corrosion of the concrete structure adjacent to the weep holes. The mineral accumulation and corrosion have eliminated or reduced the ability of the weep holes to function, potentially affecting the stability of the structure. The weep holes need to be cleaned to allow proper water drainage into the tunnel to protect the tunnel structure. Clearing out the weep holes will likely increase water production from the Tecolote Tunnel at a very low cost compared to other sources of water in the region.

Description

The project will require a shutdown of the tunnel and all safety precautions necessary for tunnel access due to increased temperatures and geothermal activity, hydrogen sulfide exposure, and confined space issues. Entry would require coordination with Reclamation and specialized safety personnel. An electric tunnel utility vehicle could be used to power specialized hand-held drills and vacuums to clear the hardened mineral deposits and dislodge debris. A pilot program would be conducted in the winter 2025-26 and if flow increases were measured additional effort would be undertaken to drill out the weep holes in subsequent years. Work would be limited to a 2-3 day shutdown during the winter months.



Figure A.14 Clogged Weep hole in Tecolote Tunnel

PRIORITY CATEGORY

**4. Evaluates Significant
Deficiency**

ESTIMATED COST

\$200,000

Fiscal Year	Phase	Cost
2025-26	Pilot	\$100,000
2027-28	Construction	\$100,000

Environmental / Permitting Considerations: *This project has been identified by the USBR as a Category 2 recommendation.*

Background

The Tecolote Tunnel was completed in 1956 to divert water from Lake Cachuma to the South Coast Conduit. The tunnel provides water delivery through the mountain to the South Portal. The tunnel structure consists of a modified circular horseshoe shaped cross section constructed of steel encased in 12-24 inches of concrete and operates in open channel flow that is approximately 7 feet inside and is 6.4 miles long with a gradual shallow slope to enable gravity feed. The only ingress and egress are at the North Portal and South Portal. During periodic inspections by the USBR, deteriorations have been observed in the tunnel lining due to long-term exposure to hydrogen sulfide gas.

Need

Hydrogen sulfide gas in the tunnel is believed to have caused the deterioration of the concrete lining of the tunnel. The deterioration occurs from Station 158+00 to 335+40. In areas, the interior concrete surface has peeled in sheets approximately $\frac{3}{8}$ of an inch thick and fallen into the invert, creating sediment and the concrete lining is softening into a mushy brown paste. A tunnel collapse could interrupt deliveries for an extended period and would be very technically difficult to repair.

Description

The project requires engineer evaluation of concrete deterioration. These would include accurate internal diameter measurements to estimate concrete losses, concrete core samples with compression tests and petrographic samples to determine the extent and cause of deterioration. 2012-2-Q, which recommends COMB “prepare and implement a repair plan to perform all necessary repairs to address all damaged concrete and remediate the widespread concrete deterioration in the Tecolote Tunnel to restore safe and reliable service of the facility.” The work will likely require a drone to scan the inside of the tunnel and an electric tunnel vehicle with the ability to power concrete coring tools. The work would occur during the next scheduled inspection in winter 2025-2026.



Figure A.15 Concrete Lining Deterioration within the Tecolote Tunnel

PRIORITY CATEGORY

4. Evaluates Significant Deficiency

ESTIMATED COST

\$150,000

Fiscal Year	Phase	Cost
2025-26	Engineering	\$150,000

Environmental / Permitting Considerations: *This project has been identified by the USBR as a Category 2 recommendation.*

Background

Located at the base of the Tecolote Tunnel, the Jet Flow Control Valve is the primary control for flow from Lake Cachuma into the South Coast Conduit. The valve is located within the red piping component as pictured to the right. The adjacent gate valve (black) is utilized to shutdown flows from Lake Cachuma. The Jet Flow Control Valve was replaced in 1990 and has a useful life of approximately thirty years. As part of this project, COMB would purchase new parts and utilize previously acquired internal components to build a new valve to be installed during a planned shutdown. The current valve, after being removed, would be rebuilt using new components and would be kept on site and used as a redundant valve in case of failure.

Need

The consequence of not completing the project includes using a valve beyond the expected useful life, coupled with a lack of redundancy for one of the most critical flow control valves within the system. Because the North Portal Jet Flow Control Valve controls the flow into the Tecolote Tunnel, failure could prevent or impact water deliveries to the cities of Goleta, Santa Barbara, Montecito, Summerland, and Carpinteria. This is a proactive replacement based upon the expected service life at purchase, as the valve in its current state is functioning adequately. Because of the important function of the valve, it is critical that it not be used beyond the manufacturer's recommended service life, and that redundancy exists on site.

Description

This project consists of producing designs and specifications to manufacture a new valve body and to rebuild using new and previously purchased internal components. Once the jet flow valve is ready for installation, a coordinated shutdown would occur using the gate valve. The current jet flow valve would be removed from service and the new valve would be lowered by crane into the lower gallery of the North Portal through the elevator shaft for installation.



Figure A.17 North Portal Jet Flow Control Valve

PRIORITY CATEGORY

5. Proactive Aging Infrastructure Replacement

ESTIMATED COST

\$600,000

Fiscal Year	Phase	Cost
2029-30	Buy/Install	\$600,000

Environmental / Permitting Considerations: *This project requires approval from Reclamation.*

Background

On June 27, 2022, the COMB Board of Directors adopted the 2022 Sustainability Plan, which included an initiative to explore alternate sources of renewable energy. Specifically, staff was instructed to explore opportunities for alternate sources of renewable energy (solar, hydroelectric, etc.) to be installed at the COMB office and/or outlying facilities. The design of the Cachuma Project water conveyance system is already remarkably low-energy relying on gravity feed to deliver water throughout the system as opposed to pumps with electrical demand. The primary locations requiring electricity are at the COMB office headquarters (including EV chargers), the outlying North Portal building near Lake Cachuma, and smaller dispersed locations requiring power for meter boxes and appurtenances.

Need

The envisioned benefit is to incorporate clean energy components into COMB’s energy system, while participating in regional and global efforts towards cleaner air, lower carbon emissions, and conservation of natural resources. Also of interest is the long-term cost savings associated with reduced conventional energy consumption, and increased energy resilience through on-site battery storage. Currently there are generators at the COMB office and North Portal building locations. On-site storage could replace or augment existing back-up systems and provide flexibility in avoiding increased electricity prices during peak hours.

Description

A system-wide assessment of renewable energy generation opportunities would be conducted, including potential solar and hydro installations. In CY 2025, a 40kW solar and battery storage project at the COMB Headquarters is planned, offsetting office and new EV charging infrastructure usage. Similar installations could offset usage at the North Portal. The system would be expanded in the future as more electrical vehicles are added to COMB’s fleet, or when micro-hydropower projects are decided to be advantageous.



Figure A.18 COMB 2022 Sustainability Plan Image

PRIORITY CATEGORY

6. System Reliability and Improvements

Project Notes: COMB utilizes ~70,000 kwh of electricity and ~7,000 gallons of fuel in vehicles to delivery ~20,000 AF/yr. Using 33.7kwh/gallon of fuel this equates to 15 kwh/AF. For reference, SWP utilizes 2,800 kwh/AF to deliver raw water from the Delta to the Coastal Branch.

ESTIMATED COST

\$275,000*

Fiscal Year	Phase	Cost
2025-26	Lauro Solar	\$125,000**
2026-27	Lauro/NP Solar	\$150,000**
2028-29	Hydro	\$200,000**
2029-30	Hydro	\$100,000**

*The Multi-Site Renewable Energy and Resiliency (2025-C-2) project schedule depends upon grant funding opportunities.

**Installation costs offset by reduced electrical and fuel costs.

Environmental / Permitting Considerations: MP-620 would be required from Reclamation, and coordination with SB County Fire Department for meeting building setbacks and defensible space standards.

CACHUMA OPERATION AND MAINTENANCE BOARD

3301 Laurel Canyon Road

Santa Barbara, California 93105

<http://www.cachuma-board.org>

RESOLUTION NO. 811

**RESOLUTION OF THE GOVERNING BOARD OF THE
CACHUMA OPERATION & MAINTENANCE BOARD ADOPTING
THE COMB FISCAL YEAR 2026-2030 INFRASTRUCTURE IMPROVEMENT PLAN**

WHEREAS, the Cachuma Operation & Maintenance Board (“COMB”) is a joint powers authority and public entity, organized and existing in the County of Santa Barbara in accordance with Government Code Section 6500 et seq., and operating pursuant to the 1996 Amended and Restated Agreement for the Establishment of a Board of Control to Operate and Maintain the Cachuma Project - Cachuma Operation And Maintenance Board, dated May 23, 1996 (“Amended and Restated Agreement”), as amended by an Amendment to the Amended and Restated Agreement made effective September 16, 2003, and a Second Amendment to the Amended and Restated Agreement made effective November 20, 2018 (collectively the “Joint Powers Agreement”); and

WHEREAS, the Member Agencies of COMB are the Goleta Water District, the City of Santa Barbara, the Montecito Water District, and the Carpinteria Valley Water District; and

WHEREAS, COMB operates and maintains Cachuma Project facilities pursuant to a Transfer of Operation and Maintenance Contract (“O & M Agreement”) with the United States Bureau of Reclamation (“Reclamation”), including the North Portal Intake Tower, the Tecolote Tunnel, the South Coast Conduit, the Sheffield Tunnel, four regulating reservoirs, flow control valves, meters, instrumentation at control stations, turnouts and appurtenant structures along the entire system; and

WHEREAS, COMB staff proposes certain projects in the Fiscal Year (FY) 2026-2030 Infrastructure Improvement Plan (“IIP”) based on Reclamation’s inspection recommendations, COMB’s asset inventory analysis, and additional staff observations and recommendations; and

WHEREAS, it is in COMB’s best interest to adopt the proposed IIP, as set forth in Exhibit 1 to the accompanying staff memorandum, which will formalize the strategy for the implementation of capital projects and programs needed to carry out the goals and policy objectives of the COMB Board; and

WHEREAS, the proposed IIP was presented and reviewed by technical staff of COMB’s Member Agencies on March 5, 2025, with their respective comments incorporated into the version presented to COMB’s Operations Committee; and

WHEREAS, on March 20, 2025, COMB’s Operations Committee reviewed the proposed IIP and subsequently, forwarded it to the COMB Board, with a recommendation to approve and adopt the FY 2026-2030 IIP; and

WHEREAS, the FY 2026-2030 IIP will facilitate the decision-making process for allocation of resources to ensure the delivery of quality, reliable water to COMB’s Member Agencies and the communities they serve.

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF COMB AS FOLLOWS:

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.
2. The Governing Board approves the adoption of the FY 2026-2030 Infrastructure Improvement Plan, as set forth in Exhibit 1 to the accompanying staff memorandum.
3. This Resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 31st day of March 2025, by the following roll call vote:

Ayes:

Nayes:

Absent/Abstain:

APPROVED:

President of the Governing Board

ATTEST:

Secretary of the Governing Board

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 31, 2025
Prepared by:	Elijah Papen
Approved by:	Janet Gingras

SUBJECT: Overview on Updated AWIA Risk and Resilience Assessment

RECOMMENDATION:

The Board of Directors receive an overview on the certification requirements for the America's Water Infrastructure Act and receive and file.

SUMMARY:

On October 23, 2018, America's Water Infrastructure Act (AWIA) was signed into law. AWIA section 2013, which amended section 1433 of the Safe Drinking Water Act (SDWA), requires community (drinking) water systems (CWSs) serving more than 3,300 people to develop or update (every 5 years) risk and resilience assessments (RRAs) and emergency response plans (ERPs). The law specifies the components that the RRAs and ERPs must address and establishes deadlines by which water systems must certify to EPA completion of the RRA and ERP.

Previous and 5-year Submission Cycle Certification Deadlines

Population Served	Previous RRA Deadline	Next 5-Year Submission Cycle RRA Deadline
100,000+	March 31, 2020	March 31, 2025
50,000 - 99,999	December 31, 2020	December 31, 2025
3,301 - 49,999	June 30, 2021	June 30, 2026
Population Served	Previous ERP Deadline*	Next 5-Year Submission Cycle ERP Deadline*
100,000+	September 30, 2020	September 30, 2025
50,000 - 99,999	June 30, 2021	June 30, 2026
3,301 - 49,999	December 31, 2021	December 31, 2026

*Emergency response plan certifications are due six months from the date of the risk assessment certification. The dates shown above are certification dates based on a utility submitting a risk assessment on the final due date.

Risk and Resilience Assessment Requirements

Each community water system serving a population of greater than 3,300 persons shall assess the risks to, and resilience of, its system. Such an assessment shall include:

- The risk to the system from malevolent acts and natural hazards.
- The resilience of the pipes and constructed conveyances, physical barriers, source water, water collection and intake, pretreatment, treatment, storage and distribution facilities, electronic, computer, or other automated systems (including the security of such systems) which are utilized by the system.
- The monitoring practices of the system.
- The financial infrastructure of the system.
- The use, storage, or handling of various chemicals by the system.
- The operation and maintenance of the system.

The assessment may include an evaluation of capital and operational needs for risk and resilience management for the system.

Emergency Response Plan Requirements

No later than six months after certifying completion of its risk and resilience assessment, each system must prepare or revise, where necessary, an emergency response plan that incorporates the findings of the assessment. The plan shall include:

1. Strategies and resources to improve the resilience of the system, including the physical security and cybersecurity of the system;
2. Plans and procedures that can be implemented, and identification of equipment that can be utilized, in the event of a malevolent act or natural hazard that threatens the ability of the community water system to deliver safe drinking water;
3. Actions, procedures and equipment which can obviate or significantly lessen the impact of a malevolent act or natural hazard on the public health and the safety and supply of drinking water provided to communities and individuals, including the development of alternative source water options, relocation of water intakes and construction of flood protection barriers; and
4. Strategies that can be used to aid in the detection of malevolent acts or natural hazards that threaten the security or resilience of the system.

Community water systems shall, to the extent possible, coordinate with local emergency planning committees established under the Emergency Planning and Community Right-To-Know Act of 1986 when preparing or revising an assessment or emergency response plan under AWIA. Further, systems must maintain a copy of the assessment and emergency response plan for five years after certifying the plan to the EPA.

Certification Process

Each community water system must certify completion of its Risk and Resilience Assessments and Emergency Response Plan. Three options are available for risk assessment and emergency response plan certification submittals:

- 1) regular mail
- 2) email
- 3) user-friendly, secure online portal.

Third-Party Standards

The EPA does not require water systems to use any designated standards, methods or tools to conduct the risk and resilience assessments or to prepare the emergency response plans required under SDWA section 1433. Rather, community water systems must conduct risk and resilience assessments and prepare emergency response plans that meet the specific requirements outlined under SDWA section 1433.

Five-year Review, Revision and Certification Requirements

Each community water system serving more than 3,300 persons must review its risk and resilience assessment at least once every five years to determine if it should be revised. Upon completion of such a review, the system must submit to the EPA a certification that it has reviewed its assessment and revised it, if applicable.

Further, each community water system serving more than 3,300 persons must review and, if necessary, revise its emergency response plan at least once every five years after the system completes the required review of its risk and resilience assessment. The emergency response plan must incorporate any revisions to the risk and resilience assessment. Upon completion of such a review, but not later than six months after certifying the review of its risk and resilience assessment, the system must submit to the EPA a certification that it has reviewed its emergency response plan and revised it, if applicable.

Staff utilized the Vulnerability Self-Assessment Tool (VSAT) to develop the RRA which met the requirements of SDWA section 1433. The draft Risk and Resilience Assessment was reviewed by the Member Agencies technical staff who provided input accordingly. COMB certified the RRA prior to the March 31, 2025 deadline.

COMB staff are in the process of updating the affiliated Emergency Response Plan and will certify it prior to the required deadline of September 30, 2025.

COMMITTEE STATUS:

The Operations Committee received an overview on the certification requirements for the America's Water Infrastructure Act and forwards to the Board to receive and file.

LIST OF EXHIBITS:

N/A

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Mission Statement:

“To provide a reliable source of water to our member agencies in an efficient and cost effective manner for the betterment of life in our communities.”

March 31, 2025

General Manager Report

The following summary provides the Board with information and an overview of progress on current COMB activities.

Administration

- **Fiscal Year 2024-25 4th Quarter Budget Assessments**

Each fiscal year during the budgeting process, administrative staff estimates assessments needed for each quarter based on the budgeted financial requirements of COMB, including projects to be constructed and completed. For Fiscal Year 2024-25, the 4th quarter assessments will be reduced from initial budget projections due to the delay in certain infrastructure improvement projects.

- **ACWA/JPIA Annual Risk Control Grant Program**

During the fall each year, ACWA/JPIA makes available their Risk Control Grant Program. The purpose of the Grant Program is to promote the implementation of best practices that will prevent or mitigate losses in the JPIA's Workers' Compensation, General Liability, and Property Programs. The historical loss areas for these programs serve as the foundation for the best practices in the JPIA's Commitment to Excellence Program. The Grant Program incentivizes members to renew their Commitment to Excellence and review best practices applicable to their operations.

JPIA members are eligible for a grant of up to \$10,000 to fund their risk management and safety program projects or equipment. This is accomplished by funding specific one-time, non-routine risk management or loss control programs or activities that are intended to address those risks.

COMB applied for and received grant funding in the amount of ~\$8,300 for the purchase of equipment which will enhance the safety and efficiency of confined-space entry operations of COMB's approximately 200 structures. The acquisition of the adjustable 5-Piece hoist frame system and hoist system lower mast extension addresses the challenges posed by the unique Reclamation-built above-ground structures and uneven ground conditions prevalent in the system.

- **ACWA Region 5 Nominating Committee Appointment**

The ACWA Region 5 Board has appointed COMB's Administrative Manager / CFO to the nominating committee for the 2025-2026 Region 5 Elections. The Nominating Committee's role is to pursue qualified member candidates within the region to run for the Region Board. The Nominating Committee is appointed by the region chair in concurrence with the Region Board during odd-numbered years. The Nominating Committee's will select a recommended slate for each respective region.

Respectfully submitted,

Janet Gingras

General Manager

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CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: March 31, 2025

TO: Janet Gingras, General Manager

FROM: Joel Degner, Engineer/Operations Division Manager

RE: MONTHLY ENGINEERING REPORT

The following summary provides the Board with information and an overview of progress by engineering staff related to on-going studies and infrastructure improvement projects.

CLIMATE CONDITIONS

Rainfall totals are 54% of normal to date for the County of Santa Barbara (as of 3/21/25). Antecedent moisture conditions are moderate (antecedent moisture index of 7.4) at Gibraltar Dam. The cumulative computed inflow to date (3/21/25) is 4,771 AF. The California Drought monitor classified southern Santa Barbara County area as a severe drought (D2) in early February 2025. According to the National Weather Service Climate Prediction Center - ENSO-neutral is favored to develop in the next month and persist through the Northern Hemisphere summer (62% chance in June-August 2025).

LAKE ELEVATION

The lake elevation projection is provided in Figure 1 assuming dry hydrologic conditions for the remainder of Water Year 2025. The water elevation is projected to remain above 730' through the fall of 2025 if a dry winter occurs this year. The lake is projected to drop below 720' by the end of Water Year 2025-2026 if dry conditions continue.

Parameter	Optimistic	Realistic	Conservative
SCC Exports	80% Forecast	Forecast	120% of Forecast
CCWA Inflow	120% Forecast	Forecast	80% of Forecast
WR 89-18 Release (2025)	0 AF	0 AF	0 AF
WR 89-18 Release (2026)	13,500 AF	16,000 AF	17,000 AF
Fish Releases	120% of Rec Tables	100% of Rec Tables	140% of Rec Tables

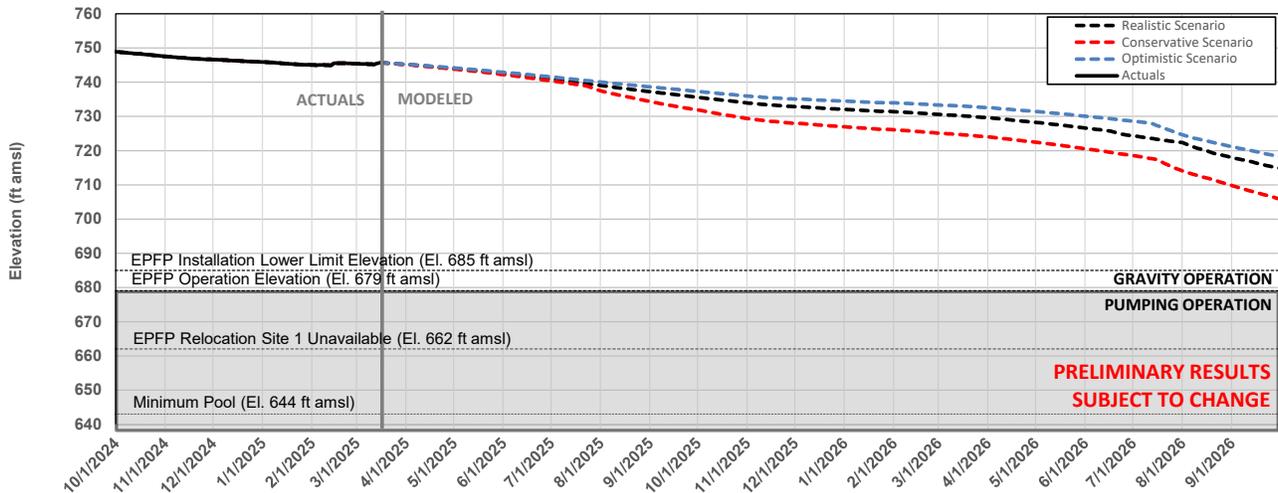


Figure 1. Lake Cachuma Elevation assuming dry conditions in Water Year 2025 and 2026 (as of 3/17/2025)

WINTER STORM 2024 DAMAGE REPAIRS AND REIMBURSEMENT

A federal disaster was declared in California for the January 31 to February 9, 2024 storms (DR-4769). COMB repaired some damages immediately following the storms and removed sediment from Lauro Debris Basin with a contractor in October 10, 2024. The two remaining slide repairs require Reclamation environmental review. COMB has provided project descriptions to Reclamation to conduct the environmental reviews, however, Reclamation staff is currently limited to perform the reviews which may result in project delays. COMB has contracted with a cultural resources consultant to assist with the required environmental reviews. COMB installed temporary protection measures on the slides in October 2024 to protect the slopes through the rainy season.

Table 2. 2024 Winter Storm Damage Summary Table

Site	Cat	Location	Work Type	Estimated Cost	% Complete	Estimated Reimbursible	Received as 2/18/25	FEMA Status
<i>Fiscal Year 2023-24</i>								
COMB Access Road Debris Removal	A	South Portal/Glen Anne Turnout/Sheffield/Lauro	Force Account	\$ 32,636	100%	\$32,636	\$0	Pending EHP Review
Boy Scout Debris Basin Erosion Repairs	D	Lauro Reservoir	Force Account	\$ 7,823	100%	\$7,334	\$0	Obligated
<i>Fiscal Year 2024-25</i>								
Lauro Debris Basin Sediment Removal	D	Lauro Reservoir	Contract	\$ 188,885	100%	\$167,705	\$0	Pending EHP Review
Lauro Reservoir Inflow Structure Slide Repairs	D	Lauro Reservoir	Contract&Force Account	\$ 264,643	0%	\$248,103	\$0	Pending EHP Review
Glen Anne Turnout Road Slump	C	Glen Anne Turnout	Contract	\$ 317,000	0%	\$247,500	\$0	Pending EHP Review
Total				\$ 810,987	75%	\$ 703,278	\$0	

RISK AND RESILIENCE ASSESSMENT

COMB staff prepared an update to the Risk and Resilience Assessment for 2025 and has certified the Risk and Resilience Assessment as required by the 2018 American Water and Infrastructure Act by March 31, 2025. The updated assessment includes revised cost estimates, revised risk factors based on the 2021 Comprehensive Reviews completed by Reclamation, and additional information related to risks for pandemics and wildfire. The Emergency Response Plan will be completed and certified by the required deadline of September 2025.

INFRASTRUCTURE IMPROVEMENT PROJECTS

Table 3 provides the status of Fiscal Year 2024-25 infrastructure improvement and special projects.

Table 3. Fiscal Year 2024-25 Infrastructure Improvement Projects

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
Infrastructure Improvement Projects			
Lauro Outlet Works Tunnel Safety Improvements	Plans and specifications are currently out for bid with bids due in mid-April	Safety improvements	July 2025
North Portal Elevator Modification	North Portal Elevator car and counterweight guides require replacement and the car and counterweight rails require cleaning. Elevator repairs scheduled last week in March. RFP to evaluate the elevator and propose modifications will be sent once repairs are made.	High lake levels cause increased seepage in the elevator shaft which can affect electrical sensors and increase corrosion making the elevator less reliable.	Elevator rail/guide repairs scheduled for March 2025
SCC Structure Rehabilitation : Lower Reach Laterals	Project construction was completed in early November 2024. Overall 25 laterals were rehabilitated and 18 subgrade AVAR valves raised above grade.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB collaborated with CVWD on this project.	Completed.
SCC Structure Rehabilitation	Several remaining blowoffs need preventative rehabilitation to prevent unplanned outages. All AVARs on the SCC have been raised above grade.	Shutdowns of the SCC are normally planned in low demand months outside of fire season. Given the lack of rainfall shutdowns were not planned for FY 2024-25.	Postponed.
Lauro Reservoir Bypass Channel Road Repair	The bypass channel/road has been re-surveyed and the repair is under final design and Reclamation environmental review. COMB is awaiting on FEMA for the potential 404 funding award for the work.	COMB has requested 404 HGMP mitigation funding for the improvement to the bypass channel. The existing bypass needs to function during the winter period and construction is limited to the summer months.	Project would likely be initiated in May or June 2025. The size and scope of the repair will depend on grant awards.
Sheffield Tunnel Evaluation and Repair	The tunnel inspection was attempted in December 2024 but not completed due to communication issues. Inspection is planned for mid-April.	COMB needs to coordinate with the City of Santa Barbara Parks to install a temporary ventilation system in Parma Park for the tunnel inspection.	Project depends in part on completion of the tunnel inspection which is delayed until mid- April.
Critical Access Road Maintenance and Repair	COMB plans to crack fill and seal coat and perform minor asphalt repairs at Carpinteria Reservoir and Ortega Reservoir access road and has requested quotes.	Pavement repairs are general scheduled in the spring or early summer to prevent conflicts with upcoming winter storms.	COMB plans to perform work expected in the April to June period.
Lauro Reservoir Intake Assessment/Repair	COMB has prepared a draft RFP for engineering services to issue.	Engineering analysis will likely need to perform a dive or remote underwater vehicle inspection of the tower which general needs to occur in the winter period.	COMB plans to issue the RFP in February 2025 with the goal of completing the engineering in FY 2025 and construction in FY2026.
North Portal Intake Tower Seismic Assessment	COMB submitted the project for a grant from the National Earthquake Hazards Reduction Program. COMB has prepared a draft RFP for engineering services to issue in the event of a grant award.	The intake tower at Lake Cachuma is likely the most vulnerable structure in seismic event in the system. This study would determine how vulnerable it is and how to mitigate the risks.	COMB plans to issue the RFP once the grant award results have been released.
North Portal Log Boom Replacement	New logboom was installed around the intake tower in November 2024.	Existing log boom broke ~10 times in FY 2023-2024 and it helps protect the tower from floating debris as well as boaters. New log boom design is much stronger and should reduce/eliminate the need to fix the broken logboom.	Completed.
Multi Site Renewable Energy and Resiliency	COMB was awarded a grant from SBAPCD for the installation of car charger, solar system, and batteries. COMB staff entered in the grant agreement with SBAPCD. Environmental review needs to be completed before project construction can begin.	The Cachuma Project is primarily a gravity-driven system with the only energy costs associated with electricity usage related to cathodic protection, lighting and ventilation, office equipment, vehicle usage.	COMB contracted with a solar firm to design the solar and construct the battery, solar, and charger system in FY 2025 . Construction will likely continue into FY 2026.
Special Projects			
2024 Winter Storm Repairs	Completed three of the five damage locations utilizing force account labor and equipment (COMB staff&equipment) and contract labor. Two remaining damages are slide repairs which require Reclamation environmental review. COMB contracted with a Cultural Resources consultant to assist with the environmental review.	The two slides will likely require Reclamation environmental review due to ground disturbing activities and it is unlikely the review and engineering can be completed before this upcoming winter and temporary measures will likely be needed to stabilize the slides.	Three of the five damage locations will be repaired before this upcoming winter but two locations will likely require temporary protective measures before more permanent repairs can be completed.
COMB Bldg./Ground Repair	COMB plans to install additional electrical vehicle chargers in FY 2025 to assist with the fleet electrification.	The additional car chargers were included in the grant application to SBAPCD as part of the renewal energy project.	The electrical car chargers need to be integrated into the solar/battery design before they can be installed.
Water Quality and Sediment Management	COMB staff is preparing a CE-QUAL model for Lake Cachuma. Replacement sensors and parts have been installed in the WQ buoy at the lake.	Water quality has improved substantially as a result of the 2023 and 2024 winters with much lower TOC and reduced algal blooms. Future fires will jeopardize the existing water quality in the lake.	No major projects are planned but model development will continue along with existing data collection activities.

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CACHUMA OPERATION AND MAINTENANCE BOARD

DATE: March 31, 2025
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor
RE: MONTHLY REPORT OF OPERATIONS – February 2025

The total flow from Lake Cachuma into the Tecolote Tunnel for February was 1,009.76 acre-feet, for an average daily flow of 36.06 acre-feet. Lake elevation was 745.05 feet at the beginning of February and 745.41 feet at the end of February. Lake storage increased by 1,004.17 acre-feet. There was 27.69 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 82.89 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 369.54 acre-feet of water to Hilton Creek for the month of February.

The Operations Division of the Cachuma Operation and Maintenance Board has the responsibility to operate, repair and maintain all Cachuma Project facilities from the Intake Tower at Lake Cachuma to the Carpinteria Reservoir. The Annual Work Plan sets forth all activities necessary to ensure system reliability. Consistent with the Plan, Operation and Maintenance staff performs routine maintenance on the distribution and storage system. Staff continues to improve the system, address deficiencies, and identify items to be included in the Infrastructure Improvement Program of work. Operations Division is responsible for:

- Adequately regulating and maintaining the diversion of water from Lake Cachuma to the South Coast via the Tecolote Tunnel as the primary water source for 5 communities.
- Operation and maintenance of the South Coast Conduit pipeline, which consists of 26.5 miles of pipeline with a combined 124 blow off and air vent structures, 43 turnout structures and 20 meters.
- Operation and maintenance of four regulating reservoirs.

South Coast Conduit - Structure Inventory

Reach	Endpoints	Linear Length (ft)	Pipe Diameter	Regulating Storage Reservoirs	Meters	Air Vents	Blow-Offs	Turnouts	Open Air Vents	Valves	Valve Size	Slide Gates	Capacity / Volume (gal)
Upper	Glen Annie Turnout (S. Portal) - Cater Water Treatment Plant	64,050	48"	2	5	32	35	18	2	115	4" - 48"	7	6,017,421
Lower	Cater Water Treatment Plant - Carpinteria Reservoir	90,910	27" - 36"	2	15	26	31	42	4	144	4" - 36"	-	3,190,171

Routine operation and maintenance completed during the month of February were as follows:

- Staff has been on site monitoring several ongoing projects throughout the area, working closely with the construction and engineering contractors to ensure that:
 - Pipeline easements and the right-of-way remain accessible to Operations staff for possible emergencies and ongoing facility maintenance.
 - All projects are following the COMB and USBR approved plans.
 - No damage occurs to the SCC during the construction process.

Ongoing Monthly Operations Items:

- Conducted several flow changes at the North Portal during the month
- Reviewed several projects for conflicts within the SCC right of way
- Received and responded to 82 USA Dig alerts
- Performed weekly inspections of major facilities, safety meetings, rodent bait (all reservoirs), toe drain, and piezometer reads at Ortega (L23)
- Performed dam inspection and instrumentation reports (all reservoirs)
- Performed equipment and yard maintenance
- Performed monthly North Portal elevator maintenance with Otis
- Performed monthly water quality sampling
- Read and document anodes and rectifier data

In addition to regular activities described above, Operations staff performed the following:

- Staff performed annual weed management and brush clearing at Ortega reservoir. This maintenance item is performed to maintain COMB's right-of-way easements and to maintain defensible space around buildings and roads.
- Operations staff performed annual weed management and brush clearing at the North Portal control station and surrounding areas. This maintenance item is performed to maintain COMB's right-of-way easements and to maintain defensible space around buildings and roads.
- Staff performed annual weed management and brush clearing around Lauro reservoir dam and surrounding areas. This maintenance item is part of COMB's SOP in cooperation with the Bureau of Reclamations guidelines on Dam safety and management.
- COMB and Reclamation staff conducted another radio test through Sheffield tunnel with a microwave radio system. The communication systems test was successful, therefore COMB and Reclamation plan on using this radio system during the upcoming inspection of Sheffield tunnel.
- Staff prepped and coated the Lauro reservoir inflow outfall piping. This work was recommended to be completed by the Bureau of Reclamation during one of their Dam/Reservoir operation and maintenance annual site visits. Staff cleaned off all rust from the piping, coated the pipe with a layer of Belzona, (an industrial grade metal filler compound) to fill in pitted areas and prevent corrosion. Staff also added a topcoat of a two-part epoxy compound to further the prevention of rusting and corrosion. (see photos)
- Staff repaired a section of fencing and barbed wire that was damaged around the Lauro reservoir inflow waterfall area. Approximately 25 feet of fencing and barbed wire had been damaged and in need of repair. (see photos)
- Operation staff installed a new dewatering pump in the Lauro reservoir debris basin. This pump was damaged during dewatering operations following the 2023/2024 rain season. The old pump was removed, a small section of plumbing needed to be repaired, and a new pump was installed.
- COMB hired a contractor to perform a dive inspection in the Ortega reservoir. This inspection was done to obtain more information on the locations of leaking floor joints. The diver spent the majority of a day scanning the floor joints of the reservoir and injecting a food grade dye into potential cracks/leaks. COMB is waiting to receive a final report.
- COMB contracted Otis Elevator Company to perform maintenance and rehab. work on the North Portal elevator at Cachuma lake. Otis contractors are grinding, cleaning, and lubricating the rails and guides for the counter weights and elevator car. Also, they will be installing new oilers and guide rails for the counter weights and elevator car along with other maintenance items.

Lauro reservoir outfall pipe coating



Lauro reservoir fence repair



CACHUMA OPERATION AND MAINTENANCE BOARD
BOARD MEMORANDUM

DATE: March 31, 2025
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- 2000 Biological Opinion target flows have been met by USBR through Lake Cachuma releases:
 - Hilton Creek (minimum of 2 cfs): Hilton Creek Watering System (HCWS) gravity flow to the Upper Release Point (URP) and Lower Release Point (LRP) (approximately 6.6 cfs) plus upper basin flows (approximately 0.3 cfs since February and throughout March) have been providing flows greater than target flows, which have been sustaining the *O. mykiss* population in the creek.
 - Highway 154 Bridge and Alisal Bridge (minimum 5 cfs and 1.5 cfs, respectively) due to being on Table 1 flows as of 2/16/25 since required releases are now off of Table 2 flows from the large spill during WY2024. Dam releases continue to sustain flows higher than required target flows at both compliance points.
 - USBR continues to consider refurbishing the 30-inch valves and the 10-inch valve of the Outlet Works. No date has been set for that needed maintenance.
- Spawning (Redd) surveys are being conducted LSYR basin.

In compliance with the 2000 Cachuma Project Biological Opinion (BiOp) (NMFS, 2000) and WR Order 2019-0148, and as described in the 2000 Lower Santa Ynez River Fish Management Plan (SYRTAC, 2000) and the Monitoring Program in the 2000 Revised Biological Assessment (BA), the COMB-FD staff conducts routine monitoring of the steelhead/rainbow trout population and their habitat on the Lower Santa Ynez River (LSYR) and tributaries below Bradbury Dam. The following is a list of activities carried out by COMB-FD staff since the last COMB Board Fisheries Division Report and has been broken out into categories.

LSYR Steelhead Monitoring Elements:

Lake Profiles: Lake Cachuma water quality measurements (temperature, dissolved oxygen concentration, pH, and turbidity) at one-meter intervals from the surface to the bottom of the lake (Lake Profile) are taken once a month at the Hilton Creek Watering System (HCWS) Intake Barge. This is near the deepest point in the lake and allows for monitoring of lake stratification, water quality conditions at the intake level for the HCWS, and lake-turnover. Due to the previous drought and the need to carefully monitor Lake Cachuma, lake profiles are being taken monthly throughout the year and are reported in the Annual Monitoring Summary/Report.

Redd Surveys: Redd surveys are conducted approximately every two weeks from mid-December through May (depending on streamflow conditions). Surveys are conducted within the LSYR mainstem in the Highway 154, Refugio, and Alisal reaches where access is permitted, and certain sections of Hilton, Quiota, and Salsipuedes/El Jaro creeks. The number of redds is reported in the Annual Monitoring Report/Summary.

Monitoring Target Flows: Monitoring for the required 2000 BiOp and WR 2019-0148 target flows are conducted by USGS and USBR for Hilton Creek and for the LSYR at the Highway 154 Bridge and Alisal Bridge. COMB-FD conducts spot flow measurements when requested.

The minimum target flow of 2 cfs to Hilton Creek was met throughout February and March with HCWS gravity flow to the URP and a small amount to the LRP (approximately 6.6 cfs) and upper basin flows (approximately 0.3 cfs since the beginning of February) for a total of approximately 6.3 cfs throughout February and March as recorded by the USGS at the LRP that includes upper basin flows (often the USGS and USBR discharge readings do not match).

Bradbury Dam releases have been keeping river flows at the Highway 154 Bridge and the Alisal Bridge well above Table 1 compliance flows (5 cfs and 1.5 cfs, respectively, as of 2/16/25). Target flows at the Highway 154 Bridge and Alisal Bridge were being met as recorded by the USGS at each site. The USGS recorded flows of approximately 14.2 cfs and 21.2 cfs throughout February and March at the Highway 154 Bridge and Alisal Bridge, respectively. The USGS stream gage at the Highway 154 Bridge is operating as designed and contracted. This is a low flow gage that continually records stage but only records river discharges up to 65 cfs. USBR continues to work with the State Board to modify Term 18 and Term 25 to officially move the target flow compliance point to the new USGS gage site.

Tributary Project Updates:

Staff continue to work on designs and a grant application for a fish passage and habitat enhancement project within the watered section of Hilton Creek.

State Water Board Order WR 2019-0148:

The following tasks were completed as requested by Reclamation for their required compliance with the Order WR (WRO) 2019-0148.

Terms 18 and 25 (improved discharge monitoring at the Highway 154 compliance point): In 2022, COMB worked with and then contracted the USGS to install a new stream gaging station just upstream of the Highway 154 Bridge on the Lower Santa Ynez River. The site was completed and activated on 10/1/22 and has been performing as designed and contracted since. Reclamation is in the process of obtaining State Board approval for transferring that compliance point. On 3/7/25, Reclamation responded to the State Board letter of 5/9/24. A technical advisory team will be meeting soon to discuss options on measuring the difference in flow rate between the new USGS Highway 154 gage site and the Highway 154 Bridge (approximately 1,200 ft).

Term 19 (monitoring effectiveness of Table 2 flows): In 2023, Reclamation asked COMB staff to facilitate and work with CCRB and the downstream interests to draft the initial Term 19 Study Plan to evaluate the benefits to the downstream fishery from Table 2 flows. Field observations and gained knowledge during the 2023 dry season led to a revised Term 19 Study Plan that is in final revisions with USBR. The technical advisory team will be meeting on 3/27/25 to discuss final Plan revisions.

Term 20 (plan to complete all required plans within the WRO): Reclamation submitted the initial Term 20 Plan on 3/17/20 and an addendum on 9/16/24 to the State Board. CDFW submitted comments. Once USBR receives all comments then the Term 20 Plan will be revised.

Term 24(a) (fish passage around Bradbury Dam): Reclamation organized a weeklong Value Planning Study (VPS) session from 9/16/24 to 9/20/24 to discuss the feasibility for fish passage around Bradbury Dam. COMB staff were requested by Reclamation to participate given our knowledge of the fishery and the Santa Ynez River watershed, plus our participation in previous investigations of similar objectives. The final report from the VPS effort is under review by the group of participants.

Term 27 (annual reporting): The WY2024 Annual Monitoring Report was completed and submitted to Reclamation on 2/10/25. This report documents the results of the annual monitoring effort and serves as the required compliance reporting for the 2000 Cachuma Project Biological Opinion and supports Reclamation's required Annual Report for Term 27 of the WRO 2019-0148. The State Board extended the deadline for these annual reports until the end of March. The WY2023 Report was submitted by Reclamation on 3/12/25.

Hilton Creek Watering System (HCWS) and Emergency Backup System (HCEBS) Operation and Repairs:

HCWS and HCEBS: The HCWS and HCEBS are owned, operated, and maintained by USBR. USBR technical staff continues to consider improvement options for the HCWS and HCEBS. The HCWS was initially constructed in 1999 then modified to its current configuration in 2004. Recent and notable changes or repairs to these two Hilton Creek delivery systems are as follows:

- The 1/9/23 storm damaged the HCWS pumping that has been non-operable since. COMB is unaware of any scheduled repairs.
- The HCEBS floating pipeline across the Stilling Basin was disconnected on 2/7/23 and reconnected on 11/19-20/24.

Bradbury Dam Operations and Repairs:

Bradbury Dam and Outlet Works: Bradbury Dam and the Outlet Works are owned, operated and maintained by Reclamation.

- On 4/11/23 and 4/12/23, Reclamation closed the Slide Gate on the Bradbury Dam Penstock to the Outlet Works and successfully replaced the stuck 30-inch valve with a blind flange then reopened the Slide Gate.
- During the week of 8/21/23, Reclamation replaced and tested on 11/10/23 all the Bradbury Dam radial gate lifting motors to return them to full operational condition.
- On 11/10/23, Reclamation reinstalling the refurbished 30-inch Outlet Works. There was no impact to the downstream fishery during the operation.
- On 2/12/25, Reclamation met at the Outlet Works to discuss options for valve repairs. A discussion with their technical staff is needed.
- No further actions or repairs have been scheduled.

Surcharge Water Accounting:

The following table summarizes the amount of surcharge water (defined as the amount of storage added to the lake by installing the flashboards to the top of the four radial gates to take the maximum lake elevation from 750 ft to 753 ft) used to date from each of the three accounts (Fish Passage Supplementation, Adaptive Management, and Fish Rearing) plus Unallocated Project Water at the end of last month (Table 1). All numbers are from the USBR’s Daily Operations Report. The start time for the use of the Surcharge Water Accounts and Project Yield is the day following the last day of full surcharge and the end of the last spill event (the official end date for the WY2024 spill has been declared on 6/21/24 by USBR). With the magnitude of the WY2024 spill, all Surcharge Water Accounts were once again full, and debiting started on 6/22/24 as reflected in Table 1 using the 2021 bathymetric survey values.

Table 1: Summary of the surcharge water accounting and use of Project Yield as of 2/28/25, using the 2021 bathymetric survey data.

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage Supplementation			
WY2023	3,200	0	3,200
Adaptive Management	500	0	500
Fish Rearing***	5,527	5,527	0
Unallocated Project Water		5,853	-5,853
Total:	9,227	11,380	-2,153
* Originally was 9,200 af, 8,942 af in 2008, 9,184 af in 2013, and 9,227 af in 2021.			
** Values as of 2/28/25.			
*** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts.			

Reporting / Outreach / Training:

Reporting: Staff has been assisting USBR upon request in reviewing draft sections and conducting data analyses for their preparation of the new draft Biological Assessment and WR 2019-0148 required Plans. Staff has completed the WY2024 Annual Monitoring Summary and WY2024 Annual Monitoring Report.

Outreach and Training: Outreach continues with Lower Santa Ynez River landowners (specifically in the Quiota Creek and Salsipuedes Creek watersheds), interested parties within the Santa Ynez Valley, and the County on a variety of fisheries related issues.

Consultant Activity Summary:

HDR Fisheries Design Center (Mike Garello and Shaun Bevan) – HDR has been working on the designs and technical memo for the pending Hilton Creek Fish Passage and Habitat Enhancement Project.

Kenneth A. Knight Consulting (Ken Knight) – No work was performed during this period on the established SOW tasks.

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	March 31, 2025
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

SUBJECT: **Progress Report on the Lake Cachuma Oak Tree Restoration Program**

RECOMMENDATION:

The Board of Directors receive information on the status of the Lake Cachuma Oak Tree Restoration Program (Program) and provide direction to staff as appropriate.

SUMMARY:

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since February 2024 to the present (3/1/24 – 3/31/25, Table 1). Labor and expenses as well as water usage for the entire fiscal year (July 2024 - June 2025) are tracked separately and reported as necessary as recommended by the Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division (FD) seasonal employees whenever possible to conduct most of the oak tree work in the field. The 2015 Lakeshore Inventory was completed and reviewed by the Lake Cachuma Oak Tree Committee on 2/25/16, which set the mitigation numbers for the Program. The 2023 Annual Report with the annual inventory and Fiscal Year 2023-24 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 7/25/24 and approved by the COMB Board on 8/26/24 that recommended going forward with only maintaining the currently planted oak trees.

Table 1: Cachuma Oak Tree Program completed maintenance tasks since March 2024.

	Mar 2024 ¹	April 2024 ¹	May 2024 ¹	June 2024	July 2024	Aug 2024	Sept 2024	Oct 2024	Nov 2024	Dec 2024	Jan 2025 ¹	Feb 2025 ¹	Mar 2024 ¹
Year 13 Oaks (2021-2022)	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded	Weeded		
							Repair						
Year 12 Oaks (2020-2021)				Weeded	Weeded	Weeded	Weeded	Weeded	Weeded				
Year 11 Oaks (2019-2020)							Irrigated	Irrigated					
Year 10 Oaks (2018-2019)								Weeded					
Year 9 Oaks (2016-2017)													
Year 8 Oaks (2015-2016)													
Year 7 Oaks (2014-2015)													

¹Oak tree inventory.

Summaries of specific tasks outside of routine maintenance are presented below.

SPECIFIC TASKS

Tree Irrigating/Weeding

No tree watering was conducted since the previous Board meeting. Bradbury Dam has received 3.5 inches of rainfall in March so no irrigation was conducted for the month.

Tree Planting

There is no planting of new trees being considered for this year.

Annual Inventory

The 2024 Annual Inventory of all year classes has begun and continues to be the current Oak Tree Program focus. Inventory work is being conducted both by independent teams and between trap checks now that the migration season trapping program has commenced.

End of Program Plan

A Lake Cachuma Oak Tree End of Program Plan was presented to the Lake Cachuma Oak Tree Committee on 5/17/23 and presented to the COMB Board on 5/22/23 when it was then finalized. The Plan is being followed as presented.

COMMITTEE STATUS:

Lake Cachuma Oak Tree Committee met on 7/25/24 to review the draft 2023 Annual Inventory with Fiscal Year 2023-24 financials. The Committee made the recommendation to continue maintenance on the most recent trees only.

LIST OF EXHIBITS:

n/a

WATER YEAR 24-25 CACHUMA PROJECT ALLOCATION
CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF FEBRUARY 2025 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾

(All in rounded Acre Feet)

CACHUMA PROJECT	MONTH	WYTD
WATER PRODUCTION:		
Cachuma Lake (Tec. Diversion)	1,009.8	6,881.3
Tecolote Tunnel Infiltration	64.8	379.2
Cachuma Lake (County Park)	1.1	7.3
Subtotal - Water Production	1,075.6	7,267.8
WATER DELIVERIES:		
State Water Diversion	31.6	212.0
Cachuma Diversion	1,105.8	6,933.5
Storage gain/(loss) ⁽²⁾	(76.4)	(58.0)
Subtotal - Water Deliveries	1,060.9	7,087.4
Total Water Production	1,075.6	7,267.8
Total Water Deliveries	1,060.9	7,087.4
Difference = Apparent Water Loss	14.7	180.4
% Apparent Water Loss	1.36%	2.48%

SCC APPARENT WATER LOSS ALLOCATION (AWL) ⁽³⁾

	GWD	SB CITY	MWD	CVWD	TOTAL
CURRENT MONTH CHARGE / (ADJUSTMENT)					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total Current Month	0.0	0.0	0.0	0.0	0.0
WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total AWL Charged (WYTD)	0.0	0.0	0.0	0.0	0.0
Total AWL Not Charged (WYTD)					180.4
Total AWL Incurred (WYTD)					180.4

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
CURRENT MONTH						
Water Usage						
M&I	520.7	340.8	0.0	95.7	1.1	958.3
Agricultural	85.0	0.0	0.0	62.6	N/A	147.5
Subtotal Project Water Use	605.6	340.8	0.0	158.2	1.1	1,105.8
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	7.5	25.2	6.8	5.0	4.9	49.3
Total Project Water Charge	613.1	366.0	6.8	163.2	6.0	1,155.1
WATER YEAR-TO-DATE						
Water Usage						
M&I	3,252.4	1,494.5	161.2	542.0	7.3	5,457.4
Agricultural	933.0	0.0	14.9	528.2	N/A	1,476.1
Subtotal Project Water Use	4,185.4	1,494.5	176.1	1,070.2	7.3	6,933.5
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	76.0	149.4	38.3	36.2	26.6	326.4
Total Project Water Charge (*)	4,261.3	1,643.8	214.3	1,106.4	33.9	7,259.8

(*) Project Water Charge is applied first to Carryover Water balance and then to Current Year Water Allocation

WATER YEAR 24-25 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF FEBRUARY 2025 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT WATER BALANCE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
Project Water Carryover - 10/1/2024	6,143.3	8,674.4	2,169.9	2,447.2	1,445.9	20,880.6
(-) Project Water Charge (WYTD)	4,261.3	1,643.8	214.3	1,106.4	33.9	7,259.8
Carryover Available Before Adjustments	1,882.0	7,030.6	1,955.5	1,340.8	1,412.0	13,620.8
Adjustments to Carryover (WYTD)						
State Water Exchange ⁽⁵⁾	0.0	0.0	0.0	0.0	0.0	0.0
Surplus	0.0	0.0	0.0	0.0	0.0	0.0
Carryover Spilled	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/La Cumbre	(50.0)	0.0	0.0	0.0	0.0	(50.0)
Balance Project Water Carryover	1,832.0	7,030.6	1,955.5	1,340.8	1,412.0	13,570.8
Current Year Allocation ⁽⁶⁾	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
(-) Balance of Project Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Allocation Available Before Adjustments	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
Adjustments to Allocation (WYTD)						
State Water Exchange ⁽⁵⁾	0.0	0.0	0.0	0.0	0.0	0.0
Surplus	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Bishop Ranch	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Juncal Transfer	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap	0.0	0.0	0.0	0.0	0.0	0.0
Balance Current Year Allocation	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
Total Cachuma Project Water Available	11,154.0	15,307.6	4,606.5	4,153.8	4,063.0	39,284.8

ACCUMULATED DROUGHT WATER CREDIT (ADWC) BALANCE ⁽⁷⁾

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
ADWC Balance - 10/1/2024	0.0	0.0	0.0	0.0	0.0	0.0
(-) ADWC Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Adjustments to ADWC (WYTD)						
ADWC Spilled	0.0	0.0	0.0	0.0	0.0	0.0
Balance ADWC	0.0	0.0	0.0	0.0	0.0	0.0
Total Cachuma Project + ADWC Available	11,154.0	15,307.6	4,606.5	4,153.8	4,063.0	39,284.8

Footnotes

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017
- (5) Per SWP Exchange Agrmt GWD received 0 AF; City of SB received 0 AF; MWD received 0 AF; and CVWD received 0 AF from ID#1 in February 2025
- (6) Per USBR, 100% allocation to Member Units, effective 10/1/24
- (7) ADWC accrual for WY 2023, WY 2024, and WY 2025 is pending Reclamation determination
- (8) Memo only - State Water Deliveries to Lake Cachuma for February 2025 was 27 AF
- (9) Memo only - MWD has received 910.19 AF under the City of SB / MWD WSA ("Desal") for this Contract Year (July 1 - June 30)

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **FEBRUARY 2025**

GLEN ANNIE RESERVOIR ⁽¹⁾

Capacity at 385' elevation:	335	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	353.2	Feet
Water in Storage	133.84	AF

LAURO RESERVOIR

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	540.2	Feet
Water in Storage	345.54	AF

ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	448.2	Feet
Water in Storage	23.35	AF

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	376.3	Feet
Water in Storage	26.37	AF

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

Change in Storage	-74.88	AF
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CACHUMA RESERVOIR ⁽²⁾

Capacity at 750' elevation: ⁽³⁾	183,751	AF
Capacity at sill of tunnel 660' elevation:	23,642	AF

Stage of Reservoir Elevation	745.41	Feet
Water in Storage	170,238	AF
Surface Area	2,866	Acres
Evaporation	509.1	AF
Inflow	2,366.7	AF
Downstream Release WR8918	0.0	AF
Fish Release (Hilton Creek)	369.5	AF
Outlet	429.0	AF
Spill/Seismic Release	0	AF
State Water Project Water	27.7	AF
Change in Storage	1,004	AF
Tecolote Diversion	1,009.8	AF

Rainfall: Month: 3.89 Year: 5.24 Inches

(1) Glen Annie Reservoir is currently offline and excluded from Total Storage in Reservoirs amount.
 (2) Lake Cachuma reservoir storage volume based on 2021 bathymetric survey (NGVD29)
 (3) In 2004, flashboard installation raised Cachuma Reservoir max elevation to 753' (192,978 AF); surcharge

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #175R-1802

Contract Year: 10/1/24 to: 9/30/25

Contract Entity: **Goleta Water District**
 Update by COMB 2/28/2025

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	6,143.3	9,322.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	6,143.3	9,322.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
793.7	250.1	1,043.8	36.0	1,043.8	1,079.8	817.3	262.5	-	-	-
698.2	216.9	915.0	14.9	915.0	929.9	707.5	222.4	-	-	-
589.2	145.2	734.4	8.5	734.4	743.0	594.3	148.6	-	-	-
650.6	235.9	886.5	9.1	886.5	895.6	655.6	239.9	-	-	-
520.7	85.0	605.6	7.5	605.6	613.1	524.3	88.8	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,252.4	933.0	4,185.4	76.0	4,185.4	4,261.3	3,299.1	962.2	-	-	-

Month	CONVERSIONS (M&I AND AG SPLIT)			
	CARRYOVER WATER		CURR YR ALLOCATION	
	M & I	Agr	M & I	Agr
Oct	-	-	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	-	-	-	-
Jun	-	-	-	-
Jul	-	-	-	-
Aug	-	-	-	-
Sep	-	-	-	-

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	6,143.3	4,021.8	2,121.5	6,644.0	2,678.0	9,322.0
Oct	(50.0)	(50.0)	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	5,013.5	3,154.5	1,859.0	6,644.0	2,678.0	9,322.0
Nov	4,083.6	2,447.0	1,636.6	6,644.0	2,678.0	9,322.0
Dec	3,340.6	1,852.6	1,488.0	6,644.0	2,678.0	9,322.0
Jan	2,445.1	1,197.0	1,248.0	6,644.0	2,678.0	9,322.0
Feb	1,832.0	672.7	1,159.3	6,644.0	2,678.0	9,322.0
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **11,154.0**

Footnotes

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #175R-1802

Contract Year: 10/1/24 to: 9/30/25

Contract Entity: **Montecito Water District**
 Update by COMB 2/28/2025

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,169.9	2,651.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,169.9	2,651.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
61.5	5.2	66.7	13.7	66.7	80.4	71.6	8.8	-
27.6	2.1	29.8	6.8	29.8	36.6	32.6	4.0	-
7.3	0.7	8.0	4.7	8.0	12.7	10.8	1.9	-
64.7	6.9	71.6	6.3	71.6	77.9	69.3	8.6	-
-	-	-	6.8	-	6.8	6.6	0.2	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
161.2	14.9	176.1	38.3	176.1	214.3	190.8	23.5	-

Month	CONVERSIONS (M&I AND AG SPLIT)			
	CARRYOVER WATER		CURR YR ALLOCATION	
	M & I	Agr	M & I	Agr
Oct	-	-	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	-	-	-	-
Jun	-	-	-	-
Jul	-	-	-	-
Aug	-	-	-	-
Sep	-	-	-	-

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,169.9	1,603.0	566.9	2,244.0	407.0	2,651.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	2,089.5	1,531.4	558.1	2,244.0	407.0	2,651.0
Nov	2,052.9	1,498.7	554.2	2,244.0	407.0	2,651.0
Dec	2,040.2	1,488.0	552.2	2,244.0	407.0	2,651.0
Jan	1,962.3	1,418.7	543.6	2,244.0	407.0	2,651.0
Feb	1,955.5	1,412.1	543.4	2,244.0	407.0	2,651.0
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **4,606.5**

Footnotes

SUMMARY OF WATER USED

CACHUMA PROJECT - CONTRACT #175R-1802

Contract Year: 10/1/24 to: 9/30/25

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**
Update by COMB 2/28/2025

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	1,445.9	2,651.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	1,445.9	2,651.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
1.8	-	1.8	9.3	1.8	11.0	4.2	6.8	-	-	-
1.8	-	1.8	4.7	1.8	6.4	3.0	3.5	-	-	-
1.3	-	1.3	3.3	1.3	4.6	2.2	2.4	-	-	-
1.4	-	1.4	4.5	1.4	5.8	2.5	3.3	-	-	-
1.1	-	1.1	4.9	1.1	6.0	2.4	3.7	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
7.3	-	7.3	26.6	7.3	33.9	14.2	19.7	-	-	-

Month	CONVERSIONS (M&I AND AG SPLIT)			
	CARRYOVER WATER		CURR YR ALLOCATION	
	M & I	Agr	M & I	Agr
Oct	-	-	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	-	-	-	-
Jun	-	-	-	-
Jul	-	-	-	-
Aug	-	-	-	-
Sep	-	-	-	-

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	1,445.9	378.8	1,067.1	935.0	1,716.0	2,651.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Total	Allocation		Allocation		Total
			M & I	Agr	M & I	Agr	
Oct	1.8	1,434.9	374.6	1,060.3	935.0	1,716.0	2,651.0
Nov	1.8	1,428.4	371.6	1,056.8	935.0	1,716.0	2,651.0
Dec	1.3	1,423.8	369.4	1,054.4	935.0	1,716.0	2,651.0
Jan	1.4	1,418.0	366.9	1,051.1	935.0	1,716.0	2,651.0
Feb	1.1	1,412.0	364.6	1,047.4	935.0	1,716.0	2,651.0
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **4,063.0**

Footnotes

SUMMARY OF WATER USED

CACHUMA PROJECT - CONTRACT #175R-1802

Contract Year: 10/1/24 to: 9/30/25

Contract Entity: **Santa Barbara Co. Water Agency**
Update by COMB 2/28/2025

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				CARRYOVER WATER					CURRENT YEAR ALLOCATION		
			Acre-feet				WATER USE CHARGED					WATER USE CHARGED		
			Use %	M & I	Agr	Total	Evap	Div	Total	Allocation		Allocation		Total
Oct	20,880.6	25,714.0	0.0	1,204.2	369.4	1,573.7	128.6	1,573.7	1,702.3	1,302.8	399.5	-	-	-
Nov	-	-	0.0	1,024.3	338.6	1,362.9	60.3	1,362.9	1,423.2	1,070.5	352.7	-	-	-
Dec	-	-	0.0	1,033.3	223.3	1,256.6	39.2	1,256.6	1,295.8	1,063.3	232.5	-	-	-
Jan	-	-	0.0	1,237.3	397.2	1,634.5	48.9	1,634.5	1,683.4	1,274.6	408.8	-	-	-
Feb	-	-	0.0	958.3	147.5	1,105.8	49.3	1,105.8	1,155.1	997.6	157.5	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	20,880.6	25,714.0	0.2	5,457.4	1,476.1	6,933.5	326.4	6,933.5	7,259.8	5,708.8	1,551.0	-	-	-

Month	CONVERSIONS (M&I AND AG SPLIT)			
	CARRYOVER WATER		CURR YR ALLOCATION	
	M & I	Agr	M & I	Agr
Oct	-	-	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	-	-	-	-
Jun	-	-	-	-
Jul	-	-	-	-
Aug	-	-	-	-
Sep	-	-	-	-

Month	SCHEDULE AND REVISIONS				SCHEDULE AND REVISIONS		
	Begin Bal	Total	Allocation		Allocation		Total
			M & I	Agr	M & I	Agr	
Oct	20,880.6	20,880.6	15,939.5	4,941.1	19,506.5	6,207.5	25,714.0
Nov	(50.0)	(50.0)	(50.0)	-	-	-	-
Dec	-	-	-	-	-	-	-
Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Total	Allocation		Allocation		Total
			M & I	Agr	M & I	Agr	
Oct	1.8	19,128.3	14,586.7	4,541.6	19,506.5	6,207.5	25,714.0
Nov	1.8	17,705.1	13,516.2	4,188.9	19,506.5	6,207.5	25,714.0
Dec	1.3	16,409.3	12,452.9	3,956.4	19,506.5	6,207.5	25,714.0
Jan	1.4	14,725.9	11,178.3	3,547.6	19,506.5	6,207.5	25,714.0
Feb	1.1	13,570.8	10,180.7	3,390.1	19,506.5	6,207.5	25,714.0
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **39,284.8**

Footnotes



March 2025

Day ¹	Lake Cachuma				Rainfall		Evaporation ³		CCWA Inflow	Release					Computed Inflow ⁵	
	Elevation	Storage ²	Change in Storage	Surface Area						Park Use	Tunnel	Hilton Creek	WR 89-18	Outlet ⁴		Spillway
SHEF Tag→	HL	LS	LC		PP	PPAF	EV	EVAF	QICWA		QUTEC	QUHIL	QUWATR	QU	QS	QI
	ft	acre-feet	acre-feet	acres	inches	acre-feet	inches	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
28	745.41	170,238														
1	745.39	170,181	(57.4)	2,865.3	-	-	0.140	25.41	-	-	55.12	13.26	-	16.00	-	52.40
2	745.37	170,124	(57.4)	2,864.6	0.01	2.4	0.130	23.59	-	-	56.18	13.24	-	15.00	-	48.24
3	745.34	170,038	(86.1)	2,863.6	0.17	40.6	0.060	10.88	-	-	37.82	13.24	-	15.00	-	(49.70)
4	745.33	170,009	(28.7)	2,863.2	-	-	0.150	27.20	-	-	36.00	13.24	-	16.00	-	63.75
5	745.32	169,980	(28.7)	2,862.9	0.02	4.8	0.120	21.76	-	-	36.29	13.25	-	15.00	-	52.83
6	745.35	170,066	86.1	2,863.9	0.54	128.9	(0.010)	(1.81)	-	-	36.14	13.26	-	15.00	-	19.78
7	745.33	170,009	(57.4)	2,863.2	-	-	0.070	12.69	-	-	39.79	13.25	-	16.00	-	24.35
8	745.31	169,951	(57.4)	2,862.5	-	-	0.140	25.38	-	-	43.81	13.26	-	15.00	-	40.07
9	745.28	169,865	(86.1)	2,861.5	-	-	0.150	27.18	-	-	43.24	12.71	-	15.00	-	12.06
10	745.26	169,808	(57.4)	2,860.8	-	-	0.160	28.99	-	-	41.08	13.25	-	15.00	-	40.94
11	745.24	169,751	(57.4)	2,860.1	0.03	7.2	0.200	36.23	-	-	47.36	13.25	-	16.00	-	48.31
12	745.23	169,722	(28.7)	2,859.8	0.05	11.9	0.110	19.92	-	-	38.87	13.32	-	15.00	-	46.51
13	745.44	170,324	602.5	2,867.0	2.05	489.8	0.130	23.60	-	-	38.92	13.29	-	15.00	-	203.54
14	745.59	170,755	430.4	2,872.1	0.39	93.3	(0.020)	(3.64)	-	-	39.88	13.37	-	16.00	-	402.62
15	745.66	170,956	200.8	2,874.5	0.24	57.5	-	-	-	-	38.44	13.32	-	15.00	-	210.10
16	745.67	170,984	28.7	2,874.9	-	-	0.050	9.10	-	-	40.36	13.34	-	15.00	-	106.50
17	745.68	171,013	28.7	2,875.2	-	-	0.120	21.85	-	-	39.35	13.35	-	16.00	-	119.24
18	745.67	170,984	(28.7)	2,874.9	0.10	24.0	0.040	7.28	-	-	41.17	13.36	-	15.00	-	24.17
19	745.69	171,042	57.4	2,875.6	-	-	0.190	34.60	-	-	38.78	13.36	-	15.00	-	159.12
20	745.69	171,042	-	2,875.6	-	-	0.130	23.68	-	-	39.55	13.36	-	16.00	-	92.58
21	745.68	171,013	(28.7)	2,875.2	-	-	0.180	32.78	-	-	36.00	13.39	-	15.00	-	68.47
22	745.68	171,013	-	2,875.2	-	-	0.160	29.14	-	-	34.85	13.36	-	15.00	-	92.34
23	745.68	171,013	-	2,875.2	-	-	0.160	29.14	-	-	35.66	13.34	-	15.00	-	93.14
24	745.67	170,984	(28.7)	2,874.9	-	-	0.160	29.13	-	-	34.41	13.34	-	15.00	-	63.20
25	745.65	170,927	(57.4)	2,874.2	-	-	0.230	41.87	-	-	34.61	13.37	-	15.00	-	47.47
26	745.65	170,927	-	2,874.2	0.01	2.4	0.190	34.59	8.52	-	35.80	13.37	-	15.00	-	87.84
27	745.64	170,898	(28.7)	2,873.8	-	-	0.150	27.30	10.87	-	33.41	13.33	-	15.00	-	49.48
Total			659.88		3.61	862.63	3.290	597.84	19.39	-	1,072.88	358.78	-	412.00	-	2,219.35
Minimum	745.23	169,722	(86.07)	2,859.79	-	-	(0.020)	(3.64)	-	-	33.41	12.71	-	15.00	-	(49.70)
Average	745.50	170,496	24.44	2,869.03	0.13	31.95	0.122	22.14	0.72	-	39.74	13.29	-	15.26	-	82.20
Maximum	745.69	171,042	602.50	2,875.56	2.05	489.78	0.230	41.87	10.87	-	56.18	13.39	-	16.00	-	402.62

Comments

1. Data based on 24-hour period ending 0800
2. Storage volume based on 2021 bathymetric survey.
3. Evaporation in inches is the measured pan evaporation. Calculated evaporation in acre feet uses the March pan factor: 76%
4. Indicated outlet release includes any leakage around gates.
5. Computed inflow is the sum of change in storage, releases, and evaporation minus precip on the reservoir surface and CCWA inflow.



**Santa Barbara County Parks Division,
Cachuma Lake Recreation Area
Summary of Aquatic Invasive Species Vessel Inspection Program
and Early Detection Monitoring Program: February 2025**



Cachuma Lake Recreation Area Launch Data – February 2025		
Inspection Data		
Total Vessels Entering Park	521	
Total Vessels Launched	508	
Total Vessels Quarantined	13	
Returning (Tagged) Boats Launched	449	88%
Kayak/Canoe: Inspected, launched	59	12%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	13	
Quarantined 14 days	*	
Quarantined 30 days	13	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	4	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	13	
Demographic Data		
Quarantined from infected county	4	
Quarantined from SB County	8	
Quarantined from uninfected co	1	

Boat Launch Tags: Boats with Cachuma Lake Boat Launch Tags attach boat to trailer.

No mussel species have been located on any vessel entering Cachuma Lake as of the last day of this month.

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

Summary: No Dreissenid Mussels were detected, nor Aquatic Invasive Species of any kind.

Inspection Site: Cachuma Lake Reservoir, Santa Barbara County, California.

Plankton Tow Inspection Dates: 2025.02.27

Artificial Substrate & Surface Survey Date: 2025.02.27, 2025.02.27

Method: 5 Artificial Substrate Stations; 24 meters /78.74 linear feet of line as well as ramp, dock, anchor, etc.

Surveyors: COSB, Parks Division – Sekulich, Camarillo

Lake elevation: Max feet: 753.00, current 745.39; Max acre-feet: 192,978, current: 170,239;

Capacity: 88% At of the end of the survey month.