



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

**Monday, February 26, 2024  
1:00 P.M.**

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**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 Teleconference:**

<https://us02web.zoom.us/j/82449905959?pwd=dmF3S0I1bk1pWUNYZFQ0cG5WMkRGQT09>

Passcode: 949087

**Join via Teleconference:**

US +1 669 900 6833    Webinar ID: 824 4990 5959    Passcode: 949087

**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 keypad 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**

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**Monday, February 26, 2024**

**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 January 22, 2024 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:
  - Administrative Committee Meeting – February 6, 2024
  - Operations Committee Meeting – February 15, 2024
- 5. RESOLUTION NO. 795 – DECLARATION OF LOCAL EMERGENCY – FEBRUARY 2024 WINTER STORMS**  
Action: Recommend adoption by motion and roll call vote of the Board
- 6. FINANCIAL REVIEW – 2<sup>ND</sup> QUARTER FISCAL YEAR 2023-24**  
Action: Receive and file information on the 2<sup>nd</sup> Quarter Fiscal Year 2023-24 Financial Review
- 7. PROFESSIONAL SERVICES AGREEMENT EXTENSION – BARTLETT, PRINGLE & WOLF, LLP**  
Action: Recommend approval by motion and roll call vote of the Board
- 8. DIRECTOR COMPENSATION**  
Action: Receive information on Director Compensation and if approved, adopt Ordinance No. 5

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9. **RESOLUTION NO. 796 – PROPOSED FISCAL YEAR(S) 2025-2029 INFRASTRUCTURE IMPROVEMENT PLAN**  
Action: Recommend adoption by motion and roll call vote of the Board
10. **GENERAL MANAGER REPORT**  
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
  - Administration
11. **ENGINEER’S REPORT**  
Receive information from the COMB Engineer, including but not limited to the following:
  - Climate Conditions
  - Lake Elevation Projection
  - Winter Storm Damage
  - Infrastructure Improvement Projects
12. **OPERATIONS DIVISION REPORT**  
Receive information regarding the Operations Division, including but not limited to the following:
  - Lake Cachuma Operations
  - Operation and Maintenance Activities
13. **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
14. **PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**  
Action: Receive information, including but not limited to the following:
  - Maintenance and Monitoring
15. **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
16. **DIRECTORS’ REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**
17. **MEETING SCHEDULE**
  - Regular Board Meeting – March 25, 2024 at 1:00 PM
  - Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)
18. **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, January 22, 2024  
1:00 PM**

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**MINUTES**

**1. CALL TO ORDER, ROLL CALL**

The regular meeting of the Board of Directors was called to order by President Holcombe at 1:20 PM.

**Directors Present:**

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

**General Counsel Present:**

William Carter - Musick, Peeler, Garrett, LLP

**Staff Present:**

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

Shane King, Ops Supervisor/Chief Distribution Operator

Dorothy Turner, Administrative Assistant II

Rosey Bishop, Administrative Assistant II

**Others Present:**

Alex Pappas, SYRWCD (Parent District)  
Dakota Corey, City of Santa Barbara

Matthew Scudato, COSB Water Agency

Dana Hoffenberg, City of Santa Barbara

**2. PUBLIC COMMENT**

There was no public comment.

**3. CONSENT AGENDA**

- a. Minutes of November 13, 2023, Regular Board Meeting
- b. Minutes of December 18, 2023, Regular Board Meeting
- c. Investment of Funds
  - Financial Reports
  - Investment Reports
- d. Review of Paid Claims

Ms. Gingras presented the Consent Agenda items and noted that the November and December Regular Board Meeting minutes would be voted on separately because Director Sneddon was not present at the November meeting and Director Hayman was absent at the December meeting. Mr. Lyons reviewed the Financial Statements and Paid Claims reports. He mentioned notable funds collected from the State of California OES and SYRWD ID#1. Several Paid Claims of note included remittances to Earth Systems, ACWA JPIA, State Water Resource Control Board, Tierra Contracting, Flowers & Associates and Geosyntec Consultants. He then fielded questions from the Board.

Director Hansen motioned to approve Consent Agenda item a. and Director Hayman seconded the motion which carried with a vote of four in favor and one abstention.

**Ayes:** Hanson, Hayman, Holcombe

**Nays:**

**Absent:**

**Abstain:** Sneddon

Director Hansen motioned to approve Consent Agenda item b. and Director Sneddon seconded the motion which carried with a vote of five in favor and one abstention.

**Ayes:** Hanson, Sneddon, Holcombe

**Nays:**

**Absent:**

**Abstain:** Hayman

Director Hansen motioned to approve Consent Agenda items c. and d. and Director Hayman seconded the motion which was carried with a vote of six in favor.

**Ayes:** Hanson, Hayman, Sneddon, Holcombe

**Nays:**

**Absent:**

**Abstain:**

#### **4. VERBAL REPORTS FROM BOARD COMMITTEES**

Director Hanson reported that she and Director Hayman attended a Fisheries Committee meeting and received preliminary information on the status of a grant application with the Wildlife Conservation Board (WCB).

#### **5. LICENSURE AGREEMENT – U.S. BUREAU OF RECLAMATION**

Ms. Gingras presented for the Board's approval a license agreement from the Bureau of Reclamation regarding the Modified Upper Reach Reliability Project. The section of pipeline was installed for better water conveyance and is to be considered as a COMB capital asset and restated in the financial statements during the next audit.

Director Hayman motioned to approve the execution of the license agreement and Director Hansen seconded the motion which passed with a vote of six in favor.

**Ayes:** Hanson, Hayman, Sneddon, Holcombe

**Nays:**

**Absent:**

**Abstain:**



## 6. GENERAL MANAGER REPORT

- Administration

Ms. Gingras presented the General Manager report which highlighted contracts for the second quarter of this fiscal year; O'Connor Pest Control, Earth Systems Pacific and Rain for Rent. Ms. Gingras reported on the ACWA JPIA Labor Law webinar attended by Mr. Lyons. Mr. Lyons discussed effective and upcoming laws, noting three that pertain to COMB. Ms. Gingras continued by noting upcoming updates to work plans in both the Operation and Fisheries Divisions and a scheduled virtual meeting to review updates to the Infrastructure Improvement Plan (IIP) with Water District General Managers and technical staff. She also reported that checks to Member Agencies from the Unexpended Funds had been issued. She finished by discussing organizational changes within the Bureau of Reclamation and then fielded questions from the Board.

## 7. ENGINEER'S REPORT

- Climate Conditions
- Lake Elevation Projections
- Winter Storm Preparation
- Infrastructure Improvement Projects

Mr. Degner updated on the past month's climate conditions, noting slightly below average percent-to-date rainfall. He discussed a substantial rain event that occurred in December, putting repairs and conditions of various systems to test, noting no damage. Mr. Degner also provided an update on 2023 winter storm damage, mentioning weekly meetings with FEMA, repair work relating to the 4683 Disaster has been completed, and one outstanding mitigation request for Toro Canyon. Mr. Degner discussed repairs to Lauro Reservoir Road, which held up in recent rain. He reviewed upcoming projects and finished his report by mentioning the lake water quality study and fielding questions from the Board.

## 8. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. King provided the Board with an update on Operations activities, including construction, underground service alerts, and North Portal maintenance work. Mr. King discussed the pulling, cleaning, and recalibration of the water quality monitoring device in Cachuma Lake. He mentioned Confined Space and Rescue Training attended by staff. Mr. King noted December storm activity, highlighting the success of recent system repairs, mentioning some flooding issues in the operations building, which were remedied. Mr. King finished by reviewing the Structure Maintenance Program and fielded questions from the Board.

## 9. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division report noting that target flows continue to remain above minimums. He stated that the Fisheries Division has been performing all the required monitoring tasks,

specifically with lake profile. He also discussed stranding surveys noting two flow cuts made by Reclamation. Mr. Robinson also mentioned ongoing beaver dam surveys and explained that recent tributary project work held up well during December rain. He ended his report by noting that Fisheries staff is working on the 2023 Annual Monitoring Report. He then fielded questions from the Board.

**10. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**

- Maintenance and Monitoring

Mr. Robinson reported that due to recent rain, inventory on planted trees has been ongoing, and no watering or weeding has been needed. Additional forecasted rain will continue to allow for no watering over the next month, allowing inventory to finish. Mr. Robinson fielded questions from the Board.

**11. MONTHLY CACHUMA PROJECT REPORTS**

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

Ms. Gingras reported that there was nothing out of the ordinary to report.

**12. DIRECTORS' REQUEST FOR AGENDA ITEMS FOR FUTURE MEETING**

There were no requests from Board members. Ms. Gingras mentioned the WCB grant application will be taken to the Fisheries Committee, and that if needed, a Special Board Meeting may be required.

**13. MEETING SCHEDULE**

- **Regular Board Meeting – February 26, 2024, at 1:00 PM**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**14. COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 2:12 PM.

Respectfully submitted,

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Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

**APPROVED:**

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Polly Holcombe, President of the Board

# Cachuma Operation & Maintenance Board Statement of Net Position

As of January 31, 2024  
UNAUDITED FINANCIALS

January 31, 2024

**ASSETS**

**Current Assets**

**Checking/Savings**

**Trust Funds**

1210 · Warren Act Trust Fund

\$ 113,837.54

1220 · Renewal Fund

126,162.26

**Total Trust Funds**

\$ 239,999.80

1050 · General Fund

525,063.82

1100 · Revolving Fund

213,042.51

**Total Checking/Savings**

978,106.13

**Accounts Receivable**

1301 · Accounts Receivable

11,248.57

1320 · Quarterly Assessments Receivable

612,516.00

**Total Accounts Receivable**

623,764.57

**Other Current Assets**

1200 · LAIF

637,752.62

1010 · Petty Cash

500.00

1303 · Bradbury SOD Act Assessments Receivable

228,082.99

1304 · Lauro Dam SOD Assessmnts Receivable

34,757.91

1310 · Misc Receivable

77,706.44

1400 · Prepaid Insurance

12,155.72

**Total Other Current Assets**

990,955.68

**Total Current Assets**

2,592,826.38

**Fixed Assets**

1500 · Vehicles

726,893.50

1505 · Office Furniture & Equipment

248,483.73

1510 · Mobile Offices

424,910.38

1515 · Field Equipment

552,543.06

1520 · Building Improvements

62,263.00

1524 · Infrastructure

4,751,941.69

1550 · Accumulated Depreciation

(1,143,966.94)

**Total Fixed Assets**

5,623,068.42

**Other Assets**

1910 · Long Term Bradbury SOD Act Assessments Receivable

3,608,470.07

1920 · Long Term Lauro SOD Act Assessments Receivable

670,778.85

1922 · Deferred Outflow of Resources (GASB 68)

1,136,753.00

1923 · Deferred Outflow (GASB 75)

652,844.00

**Total Other Assets**

6,068,845.92

**TOTAL ASSETS**

**\$ 14,284,740.72**

**Cachuma Operation & Maintenance Board  
Statement of Net Position**

As of January 31, 2024  
UNAUDITED FINANCIALS

January 31, 2024

**LIABILITIES & NET POSITION**

**Liabilities**

**Current Liabilities**

**Accounts Payable**

2200 · Accounts Payable \$ 11,334.01

**Total Accounts Payable** 11,334.01

**Other Current Liabilities**

2505 · Accrued Wages 35,286.11

2550 · Vacation/Sick 254,076.70

2561 · Bradbury Dam SOD Act 228,082.99

2563 · Lauro Dam SOD Act 34,757.91

2565 · Accrued Interest SOD Act 34,659.00

2590 · Deferred Revenue 239,999.80

**Total Other Current Liabilities** 826,862.51

**Total Current Liabilities** 838,196.52

**Long Term Liabilities**

2602 · Long Term SOD Act Liability-Bradbury 3,608,460.07

2603 · Long Term SOD Act Liability - Lauro 670,778.85

2604 · OPEB Long Term Liability 3,378,115.00

2610 · Net Pension Liability (GASB 68) 2,500,359.00

2611 · Deferred Inflow of Resources (GASB 68) 129,899.00

2612 · Deferred Inflow of Resources (GASB 75) 1,035,632.00

**Total Long Term Liabilities** 11,323,243.92

**Total Liabilities** 12,161,440.44

**Net Position**

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

3901 · Retained Net Assets 6,247,122.43

**Net Surplus / Deficit** 1,172,757.90

**Total Net Position** \$ 2,123,300.28

**TOTAL LIABILITIES & NET POSITION** \$ **14,284,740.72**

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul '23 - Jan 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul '23 - Jan 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul '23 - Jan 24	Budget	\$ Over / (Under) Budget	% of Budget
<b>Revenue</b>												
<b>3000 REVENUE</b>												
3001 - O&M Budget (Qtrly Assessments)	\$ 767,156.00	\$ 1,146,671.00	\$ (379,515.00)	66.9%	\$ 2,973,943.00	\$ 3,782,312.00	\$ (808,369.00)	78.63%	\$ 3,741,099.00	\$ 4,928,983.00	\$ (1,187,884.00)	75.9%
3006 - Warren Act	186,003.05	210,786.00	-24,782.95	88.24%	0.00				186,003.05	210,786.00	-24,782.95	88.24%
3007 - Renewal Fund	132,179.00	76,456.00	55,723.00	172.88%	0.00				132,179.00	76,456.00	55,723.00	172.88%
3010 - Interest Income	0.00				14,437.65				14,437.65	0.00	14,437.65	100.0%
3014 - Non-Member Agency Revenue	22,117.00				0.00				22,117.00	0.00	22,117.00	100.0%
3020 - Misc Income	0.00				16,817.80	20,000.00	-3,182.20	84.09%	16,817.80	20,000.00	-3,182.20	84.09%
3021 - Grant Income	0.00				480.00				480.00	0.00	480.00	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%
3046 - CVWD Cooperative Agrmnt Funding	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
3047 - 2023 Winter Storms	0.00				44,250.94	1,101,563.00	-1,057,312.06	4.02%	44,250.94	1,101,563.00	-1,057,312.06	4.02%
<b>Total 3000 REVENUE</b>	<b>\$ 1,207,455.05</b>	<b>\$ 1,533,913.00</b>	<b>\$ (326,457.95)</b>	<b>78.72%</b>	<b>\$ 3,049,929.39</b>	<b>\$ 5,453,875.00</b>	<b>\$ (2,403,945.61)</b>	<b>55.92%</b>	<b>\$ 4,257,384.44</b>	<b>\$ 6,987,788.00</b>	<b>\$ (2,730,403.56)</b>	<b>60.93%</b>
<b>Expense</b>												
3100 - LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 598,007.12	\$ 1,220,348.00	\$ (622,340.88)	49.0%	\$ 598,007.12	\$ 1,220,348.00	\$ (622,340.88)	49.0%
<b>3200 VEH &amp; EQUIPMENT</b>												
3201 - Vehicle/Equip Mtce	0.00				20,106.15	40,000.00	-19,893.85	50.27%	20,106.15	40,000.00	-19,893.85	50.27%
3202 - Fixed Capital	0.00				6,540.83	200,000.00	-193,459.17	3.27%	6,540.83	200,000.00	-193,459.17	3.27%
3203 - Equipment Rental	0.00				116.05	40,000.00	-39,883.95	0.29%	116.05	40,000.00	-39,883.95	0.29%
3204 - Miscellaneous	0.00				0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>				<b>26,763.03</b>	<b>290,000.00</b>	<b>-263,236.97</b>	<b>9.23%</b>	<b>26,763.03</b>	<b>290,000.00</b>	<b>-263,236.97</b>	<b>9.23%</b>
<b>3300 - CONTRACT LABOR</b>												
3301 - Conduit, Meter, Valve & Misc	0.00				13,039.62	35,000.00	-21,960.38	37.26%	13,039.62	35,000.00	-21,960.38	37.26%
3302 - Buildings & Roads	0.00				25,209.60	25,000.00	209.60	100.84%	25,209.60	25,000.00	209.60	100.84%
3303 - Reservoirs	0.00				37,952.68	60,000.00	-22,047.32	63.25%	37,952.68	60,000.00	-22,047.32	63.25%
3304 - Engineering, Misc Services	0.00				0.00	40,000.00	-40,000.00	0.0%	0.00	40,000.00	-40,000.00	0.0%
<b>Total 3300 - CONTRACT LABOR</b>	<b>0.00</b>				<b>76,201.90</b>	<b>160,000.00</b>	<b>-83,798.10</b>	<b>47.63%</b>	<b>76,201.90</b>	<b>160,000.00</b>	<b>-83,798.10</b>	<b>47.63%</b>
<b>3400 - MATERIALS &amp; SUPPLIES</b>												
3401 - Conduit, Meter, Valve & Misc	0.00				11,579.34	70,000.00	-58,420.66	16.5%	11,579.34	70,000.00	-58,420.66	16.5%
3402 - Buildings & Roads	0.00				417.61	20,000.00	-19,582.39	2.09%	417.61	20,000.00	-19,582.39	2.09%
3403 - Reservoirs	0.00				2,591.32	10,000.00	-7,408.68	25.91%	2,591.32	10,000.00	-7,408.68	25.91%
<b>Total 3400 - MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>				<b>14,488.12</b>	<b>100,000.00</b>	<b>-85,511.88</b>	<b>14.49%</b>	<b>14,488.12</b>	<b>100,000.00</b>	<b>-85,511.88</b>	<b>14.49%</b>
<b>3500 - OTHER EXPENSES</b>												
3501 - Utilities	0.00				3,315.98	7,000.00	-3,684.02	47.37%	3,315.98	7,000.00	-3,684.02	47.37%
3502 - Uniforms	0.00				2,919.66	5,750.00	-2,830.34	50.78%	2,919.66	5,750.00	-2,830.34	50.78%
3503 - Communications	0.00				6,283.18	15,800.00	-9,516.82	39.77%	6,283.18	15,800.00	-9,516.82	39.77%
3504 - USA & Other Services	0.00				3,794.64	7,250.00	-3,455.36	52.34%	3,794.64	7,250.00	-3,455.36	52.34%
3505 - Miscellaneous	0.00				8,180.94	12,000.00	-3,819.06	68.18%	8,180.94	12,000.00	-3,819.06	68.18%
3506 - Training	0.00				0.00	3,000.00	-3,000.00	0.0%	0.00	3,000.00	-3,000.00	0.0%
3507 - Permits	0.00				25,183.80	25,000.00	183.80	100.74%	25,183.80	25,000.00	183.80	100.74%
<b>Total 3500 - OTHER EXPENSES</b>	<b>0.00</b>				<b>49,678.20</b>	<b>75,800.00</b>	<b>-26,121.80</b>	<b>65.54%</b>	<b>49,678.20</b>	<b>75,800.00</b>	<b>-26,121.80</b>	<b>65.54%</b>

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul '23 - Jan 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul '23 - Jan 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul '23 - Jan 24	Budget	\$ Over / (Under) Budget	% of Budget
4100 · LABOR - FISHERIES	457,806.73	824,382.00	-366,575.27	55.53%	0.00				457,806.73	824,382.00	-366,575.27	55.53%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	11,687.28	30,000.00	-18,312.72	38.96%	0.00				11,687.28	30,000.00	-18,312.72	38.96%
4280 · Fixed Capital	6,850.00	20,000.00	-13,150.00	34.25%	0.00				6,850.00	20,000.00	-13,150.00	34.25%
4290 · Miscellaneous	497.13	2,500.00	-2,002.87	19.89%	0.00				497.13	2,500.00	-2,002.87	19.89%
Total 4200 · VEHICLES & EQUIP - FISHERIES	19,034.41	52,500.00	-33,465.59	36.26%	0.00				19,034.41	52,500.00	-33,465.59	36.26%
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	321.43	3,000.00	-2,678.57	10.71%	0.00				321.43	3,000.00	-2,678.57	10.71%
4222 · Fish Projects Maintenance	4,449.75	11,100.00	-6,650.25	40.09%	0.00				4,449.75	11,100.00	-6,650.25	40.09%
Total 4220 · CONTRACT LABOR - FISHERIES	4,771.18	14,100.00	-9,328.82	33.84%	0.00				4,771.18	14,100.00	-9,328.82	33.84%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	2,796.22	8,000.00	-5,203.78	34.95%	0.00				2,796.22	8,000.00	-5,203.78	34.95%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	2,796.22	8,000.00	-5,203.78	34.95%	0.00				2,796.22	8,000.00	-5,203.78	34.95%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	1,333.55	5,000.00	-3,666.45	26.67%	0.00				1,333.55	5,000.00	-3,666.45	26.67%
4503 · Permits	93.96	5,000.00	-4,906.04	1.88%	0.00				93.96	5,000.00	-4,906.04	1.88%
Total 4500 · OTHER EXPENSES - FISHERIES	1,427.51	10,000.00	-8,572.49	14.28%	0.00				1,427.51	10,000.00	-8,572.49	14.28%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				5,196.75	12,400.00	-7,203.25	41.91%	5,196.75	12,400.00	-7,203.25	41.91%
5001 · Director Mileage	0.00				297.18	600.00	-302.82	49.53%	297.18	600.00	-302.82	49.53%
5100 · Legal	0.00				14,846.90	75,000.00	-60,153.10	19.8%	14,846.90	75,000.00	-60,153.10	19.8%
5101 · Audit	0.00				9,108.31	22,750.00	-13,641.69	40.04%	9,108.31	22,750.00	-13,641.69	40.04%
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				46,932.74	39,400.00	7,532.74	119.12%	46,932.74	39,400.00	7,532.74	119.12%
5310 · Postage/Office Exp	0.00				2,915.67	6,000.00	-3,084.33	48.6%	2,915.67	6,000.00	-3,084.33	48.6%
5311 · Office Equip/Leases	0.00				4,903.45	13,440.00	-8,536.55	36.48%	4,903.45	13,440.00	-8,536.55	36.48%
5312 · Misc Admin Expenses	0.00				8,064.73	11,000.00	-2,935.27	73.32%	8,064.73	11,000.00	-2,935.27	73.32%
5313 · Communications	0.00				5,023.33	9,500.00	-4,476.67	52.88%	5,023.33	9,500.00	-4,476.67	52.88%
5314 · Utilities	0.00				6,196.40	9,735.00	-3,538.60	63.65%	6,196.40	9,735.00	-3,538.60	63.65%
5315 · Membership Dues	0.00				11,391.10	11,700.00	-308.90	97.36%	11,391.10	11,700.00	-308.90	97.36%
5316 · Admin Fixed Assets	0.00				2,060.64	12,000.00	-9,939.36	17.17%	2,060.64	12,000.00	-9,939.36	17.17%
5318 · Computer Consultant	0.00				20,501.03	25,000.00	-4,498.97	82.0%	20,501.03	25,000.00	-4,498.97	82.0%
5325 · Emp Training/Subscriptions	0.00				78.00	2,000.00	-1,922.00	3.9%	78.00	2,000.00	-1,922.00	3.9%
5330 · Admin Travel	0.00				140.94	3,500.00	-3,359.06	4.03%	140.94	3,500.00	-3,359.06	4.03%
5331 · Public Information	0.00				1,593.11	3,500.00	-1,906.89	45.52%	1,593.11	3,500.00	-1,906.89	45.52%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				139,250.28	262,525.00	-123,274.72	53.04%	139,250.28	262,525.00	-123,274.72	53.04%
5299 · ADMIN LABOR	0.00				391,211.25	670,202.00	-278,990.75	58.37%	391,211.25	670,202.00	-278,990.75	58.37%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	7,337.10	25,000.00	-17,662.90	29.35%	0.00				7,337.10	25,000.00	-17,662.90	29.35%
5410 · Postage / Office Supplies	1,443.97	4,000.00	-2,556.03	36.1%	0.00				1,443.97	4,000.00	-2,556.03	36.1%
5411 · Office Equipment / Leases	2,640.19	8,533.00	-5,892.81	30.94%	0.00				2,640.19	8,533.00	-5,892.81	30.94%
5412 · Misc. Admin Expense	4,579.67	7,500.00	-2,920.33	61.06%	0.00				4,579.67	7,500.00	-2,920.33	61.06%
5413 · Communications	2,704.82	4,455.00	-1,750.18	60.71%	0.00				2,704.82	4,455.00	-1,750.18	60.71%
5414 · Utilities	3,336.53	5,243.00	-1,906.47	63.64%	0.00				3,336.53	5,243.00	-1,906.47	63.64%

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2023 - June 2024

	Fisheries				Operations				TOTAL			
	Jul '23 - Jan 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul '23 - Jan 24	Budget	\$ Over / (Under) Budget	% of Budget	Jul '23 - Jan 24	Budget	\$ Over / (Under) Budget	% of Budget
5415 · Membership Dues	6,863.90	7,200.00	-336.10	95.33%	0.00				6,863.90	7,200.00	-336.10	95.33%
5416 · Admin Fixed Assets	2,055.76	5,000.00	-2,944.24	41.12%	0.00				2,055.76	5,000.00	-2,944.24	41.12%
5418 · Computer Consultant	11,039.00	15,000.00	-3,961.00	73.59%	0.00				11,039.00	15,000.00	-3,961.00	73.59%
5425 · Employee Education/Subscription	42.00	2,500.00	-2,458.00	1.68%	0.00				42.00	2,500.00	-2,458.00	1.68%
5426 · Director Fees	2,798.25	6,700.00	-3,901.75	41.77%	0.00				2,798.25	6,700.00	-3,901.75	41.77%
5427 · Director Mileage	160.01	300.00	-139.99	53.34%	0.00				160.01	300.00	-139.99	53.34%
5430 · Travel	490.89	4,000.00	-3,509.11	12.27%	0.00				490.89	4,000.00	-3,509.11	12.27%
5431 · Public Information	857.83	1,500.00	-642.17	57.19%	0.00				857.83	1,500.00	-642.17	57.19%
5441 · Audit	5,063.69	12,250.00	-7,186.31	41.34%	0.00				5,063.69	12,250.00	-7,186.31	41.34%
5443 · Liab & Property Ins	25,271.47	22,000.00	3,271.47	114.87%	0.00				25,271.47	22,000.00	3,271.47	114.87%
<b>Total 5400 · GENERAL &amp; ADMIN - FISHERIES</b>	<b>76,685.08</b>	<b>131,181.00</b>	<b>-54,495.92</b>	<b>58.46%</b>	<b>0.00</b>				<b>76,685.08</b>	<b>131,181.00</b>	<b>-54,495.92</b>	<b>58.46%</b>
<b>5499 · ADMIN LABOR-FISHERIES</b>	<b>137,024.29</b>	<b>296,750.00</b>	<b>-159,725.71</b>	<b>46.18%</b>	<b>0.00</b>				<b>137,024.29</b>	<b>296,750.00</b>	<b>-159,725.71</b>	<b>46.18%</b>
<b>5510 · Integrated Reg. Water Mgt Plan</b>	<b>0.00</b>				<b>0.00</b>	<b>5,000.00</b>	<b>-5,000.00</b>	<b>0.0%</b>	<b>0.00</b>	<b>5,000.00</b>	<b>-5,000.00</b>	<b>0.0%</b>
<b>6199 · SPECIAL PROJECTS</b>												
6097 · GIS and Mapping	0.00				4,985.00	10,000.00	-5,015.00	49.85%	4,985.00	10,000.00	-5,015.00	49.85%
6105 · ROW Management Program	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
6110 · SCADA Improvements & Support	0.00				0.00	35,000.00	-35,000.00	0.0%	0.00	35,000.00	-35,000.00	0.0%
6115 · COMB Blding Improvemnts & Maint	0.00				5,903.04	80,000.00	-74,096.96	7.38%	5,903.04	80,000.00	-74,096.96	7.38%
6125 · 2023 Winter Storm Repairs	0.00				640,592.17	1,175,000.00	-534,407.83	54.52%	640,592.17	1,175,000.00	-534,407.83	54.52%
6138 · Cachuma Watershed Mgmt Study	0.00				43,361.79	50,000.00	-6,638.21	86.72%	43,361.79	50,000.00	-6,638.21	86.72%
<b>Total 6199 · SPECIAL PROJECTS</b>	<b>0.00</b>				<b>694,842.00</b>	<b>1,370,000.00</b>	<b>-675,158.00</b>	<b>50.72%</b>	<b>694,842.00</b>	<b>1,370,000.00</b>	<b>-675,158.00</b>	<b>50.72%</b>
<b>6000 · INFRASTRUCTURE IMPROVEMENT PROJ</b>												
6055 · Bradbury Dam Outlet Works	0.00				117,159.74	117,160.00	-0.26	100.0%	117,159.74	117,160.00	-0.26	100.0%
6096 · SCC Structure Rehabilitation	0.00				0.00	82,840.00	-82,840.00	0.0%	0.00	82,840.00	-82,840.00	0.0%
6136 · SCC Isolation Valve Evaluation	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
6137 · SCC Lower Reach Lateral Structu	0.00				0.00	550,000.00	-550,000.00	0.0%	0.00	550,000.00	-550,000.00	0.0%
<b>Total 6000 · INFRASTRUCTURE IMPROVEMENT PROJ</b>	<b>0.00</b>				<b>117,159.74</b>	<b>1,300,000.00</b>	<b>-1,182,840.26</b>	<b>9.01%</b>	<b>117,159.74</b>	<b>1,300,000.00</b>	<b>-1,182,840.26</b>	<b>9.01%</b>
<b>6200 · PROGRAM SUPPORT SERVICES</b>												
6201 · FMP Implementation	2,132.34	42,000.00	-39,867.66	5.08%	0.00				2,132.34	42,000.00	-39,867.66	5.08%
6202 · GIS and Mapping	3,135.00	10,000.00	-6,865.00	31.35%	0.00				3,135.00	10,000.00	-6,865.00	31.35%
6205 · USGS Stream Gauge Program	54,955.00	120,000.00	-65,045.00	45.8%	0.00				54,955.00	120,000.00	-65,045.00	45.8%
6225 · 2023 Winter Storm Repairs	215,670.12				0.00				215,670.12	0.00	215,670.12	100.0%
<b>Total 6200 · PROGRAM SUPPORT SERVICES</b>	<b>275,892.46</b>	<b>172,000.00</b>	<b>103,892.46</b>	<b>160.4%</b>	<b>0.00</b>				<b>275,892.46</b>	<b>172,000.00</b>	<b>103,892.46</b>	<b>160.4%</b>
<b>6300 · HABITAT IMPROVEMENT PROJECTS</b>												
6207 · Oak Tree Restoration Program	916.87	15,000.00	-14,083.13	6.11%	0.00				916.87	15,000.00	-14,083.13	6.11%
6303 · Tributary Projects Support	570.00	10,000.00	-9,430.00	5.7%	0.00				570.00	10,000.00	-9,430.00	5.7%
<b>Total 6300 · HABITAT IMPROVEMENT PROJECTS</b>	<b>1,486.87</b>	<b>25,000.00</b>	<b>-23,513.13</b>	<b>5.95%</b>	<b>0.00</b>				<b>1,486.87</b>	<b>25,000.00</b>	<b>-23,513.13</b>	<b>5.95%</b>
<b>Total Expense</b>	<b>\$ 976,924.75</b>	<b>\$ 1,533,913.00</b>	<b>\$ (556,988.25)</b>	<b>63.69%</b>	<b>\$ 2,107,701.79</b>	<b>\$ 5,453,875.00</b>	<b>\$ (3,346,173.21)</b>	<b>38.65%</b>	<b>\$ 3,084,626.54</b>	<b>\$ 6,987,788.00</b>	<b>\$ (3,903,161.46)</b>	<b>44.14%</b>
<b>Net Surplus / Deficit</b>	<b>\$ 230,530.30</b>	<b>\$ -</b>	<b>\$ 230,530.30</b>	<b>100.0%</b>	<b>\$ 942,227.60</b>	<b>\$ -</b>	<b>\$ 942,227.60</b>	<b>100.0%</b>	<b>\$ 1,172,757.90</b>	<b>\$ -</b>	<b>\$ 1,172,757.90</b>	<b>100.0%</b>

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	February 26, 2024
Submitted by:	Janet Gingras

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**SUBJECT:** Investment Report – January 31, 2024

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### **RECOMMENDATION**

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of January 31, 2024.

### **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 January 2024, is reported at 4.012%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
	12/31/2023	\$	1,460,374.22
(+) Deposits/Credits			14,669.33
(-) Checks/Withdrawals			(800,000.00)
Statement Balance	1/31/2024	\$	675,043.55

#### 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	12/31/2023	\$	126,162.26
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	1/31/2024	\$	126,162.26
American Riviera Bank Warren Act Trust Fund			
Previous Balance	12/31/2023	\$	104,033.54
(+) Deposits/Credits			9,804.00
(-) Checks/Withdrawals			-
Statement Balance	1/31/2024	\$	113,837.54

**STATEMENT**

The above statement of investment activity for the month of January 2024, 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.

  
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 Secretary

## Cachuma Operation &amp; Maintenance Board

## Paid Claims

As of January 31, 2024

Date	Num	Name	Memo	Amount
<b>1050 - General Fund</b>				
01/02/2024	30786	Earth Systems	2023 Winter Storm Repairs - Lauro Reservoir Bypass Channel & Road Repair	-215.00
01/02/2024	30787	Harrison Hardware	Operations, Fisheries & Oak Tree Program Supplies	-153.22
01/02/2024	30788	Home Depot Credit Services	Supplies (Ops)	-269.82
01/02/2024	30789	J&C Services	Office Cleaning Service - Weekly	-960.00
01/02/2024	30790	Measurement Solutions Systems & Services	Quarterly Calibration of Equipment - 10/01/2023-12/31/2023	-2,294.56
01/02/2024	30791	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 12/08 & 12/22	-237.20
01/02/2024	30792	SWRCB Fees	Wholesaler Water System Annual Fee 7/1/22-6/30/23	-16,067.80
01/02/2024	30793	Tierra Contracting, Inc.	2023 Winter Storm Repairs - Lauro Reservoir Bypass Channel & Road Repair	-8,273.51
01/02/2024	30794	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-144.75
01/02/2024	30795	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci	-303.41
01/02/2024	30796	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance December 2023	-480.00
01/08/2024	30797	Association of Ca Water Agencies/JPIA	Health Benefits Premium February 2024	-34,739.19
01/08/2024	30798	AT&T	Long Distance Service December 2023	-39.39
01/08/2024	30799	City of Santa-Barbara	Trash & Recycling December 2023	-366.78
01/08/2024	30800	Cox Communications Santa Barbara	Business Internet January 2024	-195.44
01/08/2024	30801	Federal Express	Shipping of Application for Drinking Water Discharge Permit (Ops)	-85.00
01/08/2024	30802	Forestry Suppliers, Inc.	Supplies (Fisheries)	-225.55
01/08/2024	30803	Frontier Communications	Phone Service - North Portal	-67.01
01/08/2024	30804	Frontier Communications	Phone Service - Main Office Land Lines	-99.14
01/08/2024	30805	HDR Engineering, Inc.	FMP Implementation & Tributary Support - Engineering Services	-1,842.30
01/08/2024	30806	Marborg Industries	Portable Facilities - Outlying Stations (Ops)	-423.76
01/08/2024	30807	Southern California Edison	Electricity - Main Office & Outlying Stations	-1,594.23
01/08/2024	30808	WEX Fleet Universal	Fleet Fuel December 2023	-2,389.55
01/08/2024	30809	White Cap	Supplies (Ops)	-631.54
01/16/2024	30810	Agri-Turf Supplies, Inc.	Equipment (Ops)	-145.69
01/16/2024	30811	American Water Works Association	AWWA Member Dues 4/1/24-3/31/25	-501.00
01/16/2024	30812	Badger Daylighting Corp	2023 Winter Storm Repairs - Lauro Spillway Cleanout	-36,365.72
01/16/2024	30813	Cabela's LLC/Bass Pro LLC	Personal Protective Equipment - Wading Boots & Fishing Waders (Fisheries)	-185.21
01/16/2024	30814	Coastal Copy, Inc.	Copier Maintenance - Kyocera Taskalfas 3253ci & 6054ci	-481.76
01/16/2024	30815	County of Santa--Barbara	Waste Disposal Fee (Ops)	-110.40
01/16/2024	30816	Dal Pozzo Tire Corp.	Backhoe Tire Repair (Ops)	-533.40
01/16/2024	30817	Esys The Energy Control Company	Lauro Reservoir - Hydraulic Maintenance and Inspection	-4,090.50
01/16/2024	30818	Federal Express	Water Sample Shipping (Ops)	-171.18
01/16/2024	30819	Geosyntec Consultants	Lake Cachuma Water Quality & Sediment Study - Professional Services	-13,237.05
01/16/2024	30820	Impulse Advanced Communications	Phone Service - Main Office	-886.98
01/16/2024	30821	LimnoTech	Lake Cachuma Water Quality Study - Water Quality Buoy	-2,500.00
01/16/2024	30822	LoopUp, LLC	Conference Calls December 2024	-26.62
01/16/2024	30823	Milpas Rental	Equipment Rental (Ops)	-417.61
01/16/2024	30824	Otis Elevator Company	North Portal Elevator Damage Assessment & Repair (Ops)	-10,265.35
01/16/2024	30825	Rain for Rent Santa Paula	Bradbury Dam Stiling Basin De-Watering	-117,159.74
01/16/2024	30826	Rayne of Santa Barbara Inc	January RO Rental	-33.00
01/16/2024	30827	Smart Sheet Inc	Smartsheet License Renewal 2024	-996.00
01/16/2024	30828	Turenchalk Network Services, Inc.	Network Support (Ops & Fisheries)	-4,973.76
01/16/2024	30829	Turenchalk Network Services, Inc.	Network Support (Ops & Fisheries)	-714.38
01/16/2024	30830	Verizon Wireless	Cellular Service - Wireless Modems, Cell Phones & iPads (Ops)	-652.63
01/18/2024	30831	Carpinteria Valley Water Dist.	FY2022-23 Return of Unexpended Funds	-151,325.27
01/18/2024	30832	City of Santa Barbara-Finance Dept.	FY2022-23 Return of Unexpended Funds	-445,045.14
01/18/2024	30833	Goleta Water Distr.	FY2022-23 Return of Unexpended Funds	-501,357.99
01/18/2024	30834	Montecito Water Dist.	FY2022-23 Return of Unexpended Funds	-142,642.67
01/22/2024	30835	Assoc. of California Water Agencies	Annual Agency Dues 2024	-14,745.00
01/22/2024	30836	Calif Dept of Tax & Fee Administration	Annual Water Rights Fee - Bradbury & Lauro 7/1/23-6/30/24	-77,706.44
01/22/2024	30837	City of Santa-Barbara	Trash & Recycling Blance Due	-30.00
01/22/2024	30838	County of Santa Barbara	Hazmat Waste Disposal (Ops)	-596.65
01/22/2024	30839	Cushman Contracting Corp.	EPFP Pumping System - Pay Req 117	-3,500.00
01/22/2024	30840	J&C Services	Office Cleaning Service - Weekly	-960.00
01/22/2024	30841	Manhole Covers Direct	Custom Manhole Cover (Ops)	-6,500.00
01/22/2024	30842	PG&E	Electricity - North Portal	-550.93
01/22/2024	30843	SB Home Improvement Center	Supplies (Fisheries)	-165.22
01/22/2024	30844	Sparkletts	Operations Safety	-25.47
01/22/2024	30845	The Gas Company	Natural Gas - Main Office	-49.65
01/22/2024	30846	United States Geological Survey	USGS Quarterly Joint Funding Agreement 4/1/24-6/30/24	-24,750.00
01/29/2024	30847	ACWA-Joint Powers Insurance Authority	Workers Compensation Program 10/01/2023-12/31/2023	-7,739.08
01/29/2024	30848	American Riviera Bank - Card Service	Website, Acrobat, Supplies, Certificate Fee, Class Registration (Ops)	-1,881.58
01/29/2024	30849	Cori Hayman	Director Meeting Fees January 2024	-416.80
01/29/2024	30850	ECHO Communications	Message Service January 2024	-97.00
01/29/2024	30851	Eurofins Eaton Analytical, LLC	Cachuma Water Quality Testing	-1,595.00
01/29/2024	30852	Kristen Sneddon	Director Meeting Fees January 2024	-200.55

Cachuma Operation & Maintenance Board

**Paid Claims**

As of January 31, 2024

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
01/29/2024	30853	Lauren W. Hanson	Director Meeting Fees January 2024	-403.40
01/29/2024	30854	Musick, Peeler & Garrett LLP	General Counsel December 2023 (Ops & Fisheries)	-1,165.00
01/29/2024	30855	Nutrien Ag Solutions, Inc.	Gopher Abatement Supplies (Ops)	-223.00
01/29/2024	30856	O'Reilly Automotive, Inc.	Vehicle Supplies (Ops)	-52.13
01/29/2024	30857	Polly Holcombe	Director Meeting Fees January 2024	-213.95
01/29/2024	30858	SB Home Improvement Center	Supplies (Fisheries)	-497.13
01/29/2024	30859	Securitas Technology Corp	Security System Maintenance - 02/2024-04/2024	-166.95
01/29/2024	30860	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6054ci & 325ci	-427.39
Total 1050 - General Fund				<u>-1,651,575.52</u>
<b>TOTAL</b>				<b><u>-1,651,575.52</u></b>

**APPROVALS**

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# CACHUMA OPERATION & MAINTENANCE BOARD

## Administrative Committee Meeting

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**Tuesday, February 6, 2024  
11:00 A.M.**

### AGENDA

*Chair: Director Holcombe  
Member: Director Hanson*

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter within the Committee's jurisdiction*)
3. Financial Review – 2<sup>nd</sup> Quarter Fiscal Year 2023-24 (*for information and possible recommendation*)
4. Professional Services Agreement Extension – Bartlett, Pringle & Wolf, LLP (*for information and possible recommendation*)
5. Director Compensation (*for information and possible recommendation*)
6. 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.]

# CACHUMA OPERATION & MAINTENANCE BOARD

## Operations Committee Meeting

*held at*

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

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**Thursday, February 15, 2023**

**3:00 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 2025-2029 Infrastructure Improvement Plan (IIP) (*for information and possible recommendation*)
4. February 2024 Storm Update (*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.]

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	February 26, 2024
Submitted by:	Janet Gingras

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**SUBJECT:** Resolution No. 795 - Declaration of Emergency, Authorization for Performance of Remedial Work without Competitive Bid Solicitation, Declaring Project exempt from CEQA, and Making Necessary Findings Thereof

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**RECOMMENDATION:**

The Board of Directors review the staff report and adopt Resolution No. 795 to declare an emergency, authorize the General Manager to contract for performance of the emergency remedial work without competitive bid solicitation, declare emergency projects exempt from CEQA, and authorize the filing of a Notice of Exemption with the County of Santa Barbara.

**SUMMARY:**

On February 4, 2024, the Governor of the State of California proclaimed a State of Emergency to exist in eight counties of California, including Santa Barbara County, resulting from the early February 2024 winter storms. In addition, the County's Director of Emergency Services issued a Proclamation of a Local Emergency relating to the February 2024 winter storms.

The February storm events and subsequent debris flows have caused damage to South Coast Conduit appurtenant structures and facilities. In particular:

- **Lauro Reservoir** – Slumps and erosional washouts occurred which resulted in a portion of the unimproved bypass channel failing and impacting the debris basin. Sediment deposits in the debris basins all around the reservoir. There are landslides near Lauro inlet structure and a large tree fell at the debris basin.
- **Glen Anne** – Slides and boulders exist on the access road which block vehicle access to the South Portal and Glen Anne Turnout and reduce capacity of the roadside drainage systems.
- **Sheffield Control Station** – A slide occurred which blocked the road drainage ditch.
- **South Coast Conduit Appurtenant Structures** – The Toro Canyon blowoff structure was affected by floods and sediment deposits.

The attached resolution would provide the required determination that an emergency condition exists pursuant to Public Contract Code sections 20806 and 1102. This determination would exempt COMB from competitive bidding requirements and allow staff to immediately proceed, as soon as feasible, with construction activities to address emergency conditions. The resolution would authorize the General Manager to proceed with emergency projects and expend necessary funds. Resolution No. 795 further finds that the proposed emergency work is statutorily exempt from environmental review under the California Environmental Quality Act and authorizes the filing of a Notice of Exemption (NOE).

Staff has proceeded internally with the necessary repairs to return the system to operational condition. If a qualified contractor is needed to repair the damaged structures, staff will proceed and engage with the appropriate contractor.

**FISCAL IMPACTS:**

The expenditures affiliated with executing the emergency response efforts to clear slides and repair washouts are included in the fiscal year 2023-24 operating budget and will largely be performed by COMB staff (~\$50k). No additional request for budgeted funds would be required for Fiscal Year 2023-2024. Sediment removal from the debris basins would likely need to be budgeted in Fiscal Year 2024-25 as sediments will not be dry enough for removal until late summer 2024 (~\$150k).

**LEGAL CONCURRENCE:**

Legal Counsel has reviewed the attached resolution as presented to the Board.

**ENVIRONMENTAL COMPLIANCE:**

Adopting Resolution No. 795 provides statutory exemption from environmental review under the California Environmental Quality Act and authorizes the filing of a Notice of Exemption (NOE) with the Clerk of the Board of Supervisors, County of Santa Barbara.

**LIST OF EXHIBITS:**

- 1) Resolution No. 795



**RESOLUTION NO. 795**

**A RESOLUTION OF THE GOVERNING BOARD OF  
THE CACHUMA OPERATION AND MAINTENANCE BOARD  
DECLARING AN EMERGENCY WITH REGARD TO THE FEBRUARY STORMS AND  
CERTAIN AGENCY FACILITIES, AUTHORIZING REMEDIAL WORK TO BE  
PERFORMED WITHOUT COMPETITIVE BIDDING, DECLARING THE PROJECT TO BE  
EXEMPT FROM THE REQUIREMENTS OF THE CALIFORNIA ENVIRONMENTAL  
QUALITY ACT, AND MAKING NECESSARY FINDINGS THEREOF**

**RECITALS**

**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 City of Santa Barbara, the Goleta Water District, the Montecito Water District, and the Carpinteria Valley Water District; and

**WHEREAS**, COMB operates and maintains Cachuma Project facilities, including the South Coast Conduit (“SCC”), pursuant to a Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation (“Reclamation”); and

**WHEREAS**, COMB has the power to perform all acts necessary to carry out fully the provisions of the Transfer of Operation and Maintenance Contract; and

**WHEREAS**, several fires have occurred in Santa Barbara County (“County”) resulting in burn scar areas that are susceptible to potential debris flows and severe flooding due to storms or soil saturation, including the Thomas, Alisal, Cave and Whittier Fire burn scar areas, which are within the watershed of the Cachuma Project; and

**WHEREAS**, on January 31, 2024, the National Weather Service issued severe rain and coastal flood advisories, in addition to high wind warnings advising of the potential for damaging winds that may potentially impact trees, power lines and other large objects; and

**WHEREAS**, on February 3, 2024, an evacuation order was issued by the County for vulnerable sections of the Thomas, Alisal and Cave Fire burn scar areas and properties located near certain creeks along the South Coast of the County; and

**WHEREAS**, on February 4, 2024, the Governor of the State of California proclaimed a State of Emergency to exist in eight counties of California, including Santa Barbara County, resulting from the early February 2024 winter storms; and

**WHEREAS**, on February 4, 2024, the County’s Director of Emergency Services issued a Proclamation of a Local Emergency relating to the February 2024 winter storms; and

**WHEREAS**, the National Weather Service issued a Flood Watch due to heavy rainstorms expected throughout the County for the period February 4, 5, and 6, 2024, with the heaviest rainfall expected on the South Coast of the County; and

**WHEREAS**, heavy rainstorms fell on February 1 and 2, 2024, and resumed again countywide on February 4, 5 and 6, 2024, which produced mud and debris flows resulting in damage to Cachuma Project facilities; and

**WHEREAS**, on February 6, 2024, the County Board of Supervisors ratified a proclamation of the existence of an emergency, as proclaimed by the County Director of Emergency Services; and

**WHEREAS**, failure to undertake remedial measures in advance of future rain events could result in damage to the underlying SCC pipeline of which the appurtenant structures are attached, and as such, requires immediate corrective action and expenditure of COMB funds to prevent such failure, and to protect water supply, the environment and the provision and maintenance of public services essential to the public health, safety and welfare; and

**WHEREAS**, the sudden and unexpected damage to facilities as described herein constitutes an “emergency” for purposes of Public Contract Code sections 20806 and 1102, as well as Public Resources Code section 21060.3 (the "Emergency"); and

**WHEREAS**, the existing conditions will not allow for a prolonged delay resulting from a competitive solicitation for bids for the corrective action (the “Work”), and immediate action is necessary to respond to the emergency, pursuant to Public Contract Code section 22050(a)(1); and

**WHEREAS**, the Work to be performed is statutorily exempt from environmental review under the California Environmental Quality Act pursuant to Public Resources Code sections 21080(b)(2) and 21080(b)(4) and 14 Cal. Code of Regs. sections 15269(b) and 15269(c).

**NOW, THEREFORE, BE IT RESOLVED** by the Governing Board of Directors of the Cachuma Operation and Maintenance Board 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 further finds, pursuant to Public Contract Code section 22050(a)(2), that the emergency will not allow a delay resulting from a competitive solicitation for bids, and that immediate commencement of the Work is necessary to respond to the emergency.
3. Pursuant to Public Contract Code section 22050(b)(1), the Board directs the General Manager to immediately proceed with and expend funds for the Work, without giving notice for competitive bids.
4. The Governing Board further finds that the Work is statutorily exempt from environmental review under the California Environmental Quality Act pursuant to Public Resources Code sections 21080(b)(2) and 21080(b)(4), and 14 Cal. Code of Regs. sections 15269(b) and 15269(c). The Board hereby directs staff to file a Notice of Exemption with the Clerk of the Board of Supervisors for the County of Santa Barbara.

5. The above recitals are incorporated herein by reference and adopted as findings.

**PASSED, APPROVED AND ADOPTED** by the Governing Board of the Cachuma Operation and Maintenance Board, this 26<sup>th</sup> day of February 2024, by the following roll call vote:

**AYES:**

**NAYES:**

**ABSENT/ABSTAIN:**

APPROVED:

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President of the Board

ATTEST:

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Secretary of the Board

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	February 26, 2024
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

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**SUBJECT:** Financial Review – 2nd Quarter Fiscal Year 2023-24

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**RECOMMENDATION:**

The Board of Directors receive a presentation on the 2<sup>nd</sup> Quarter Fiscal Year (FY) 2023-24 Financial Review and file.

**DISCUSSION:**

The Board of Directors approves the Cachuma Operation and Maintenance Board (COMB) Budget each fiscal year. Unaudited financial statements are received and filed by the Board on a monthly basis. Staff provides, on a quarterly basis, a fiscal year-to-date financial review of the unaudited interim financial reports to the Board of Directors, comparing actual expenditures to the Budget.

For FY 2023-24, COMB adjusted the collection of quarterly assessments based on project implementation and projected cash outflows, as follows:

**Table 1**  
**COMB Quarterly Budget Assessments FY 2023-24**

Q1	Q2	Q3	Q4	Total
\$ 1,164,753	\$ 869,711	\$ 1,706,634	\$ 1,187,884	\$ 4,928,983
24%	18%	35%	24%	100%

**FISCAL ANALYSIS:**

**Revenues Collected**

- COMB assessed and collected \$869.7K in quarterly O&M Budget Assessments for the period October – December 2023.
- COMB collected \$318.2K from the Warren Act Trust Fund and Renewal Fund for Fisheries and Oak Tree Program related expenses.
- COMB collected \$44.3K from FEMA/CalOES as partial reimbursement for the 2023 winter storm repairs.
- COMB collected \$7.1K from a non-member agency as reimbursement for 2000 BiOp and Oak Tree Mitigation activities performed during October – December 2023.
- COMB earned \$14.4K in interest income for funds held with LAIF.

## **Expenditures To Date (% of Budget Apportioned thru December – 42%)**

### **General and Administrative (Combined)**

- General and Administrative Expenses include costs for support of all administrative functions of COMB such as: Director fees, legal expenditures, general liability and property insurance, audit fees, temporary/contract labor, utilities, IT and communications, postage and office supplies, training, education and subscriptions and miscellaneous expenses. Costs are generally allocated between Operations and Maintenance (65%) and Fisheries Division (35%). General and Administrative expenses thru December totaled \$183.6K (46.6%). Costs in this category are on trend and generally occur evenly throughout the year.
- General and Administrative Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the COMB General Manager and Administrative staff. General and Administrative Labor expenses totaled \$467.3K (48.3%). Costs in this category are on trend and generally occur evenly throughout the year.

### **Operations Division**

- Operation and Maintenance Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs. Personnel costs thru December totaled. \$520.8K (42.7%) are within budget.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$23.7K (8.2%) are lower than budget due to lower than projected vehicle maintenance costs and fixed capital purchases. In December, the COMB Board approved staff to purchase a John Deere 320P backhoe in the net amount of \$126K. The remaining budget (\$70K) for FY 2023-24 will be allocated towards the purchase of a chassis for a new crane truck.
- Contract Labor contains funds for outside services and labor that cannot be supported by COMB staff such as water quality sampling, elevator maintenance or repair, tree trimming and removal services, heavy equipment and operators' labor costs for various small projects including meter calibration and meter repair. Actual costs of \$54.1K (33.8%) are within budget. Notable costs during the second quarter included O'Connor Pest Control (\$7.8K) to perform termite treatment of the Casitas Pass Control Building. Upcoming projects and staff assignments are reviewed closely by the COMB General Manager and Operations Division Manager to control costs in this category.
- Materials and Supplies covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. Actual costs of \$12.8K (12.8%) are within budget. Timing of expenditures in this category can vary based on project needs.
- Other Expenses includes utilities, uniforms, hazardous waste disposal, communications (phones at facilities, and cell phones for operations and maintenance), Underground Service Alerts, and employee training and certifications. Actual costs of \$45.0K (59.4%) are slightly higher than budget. Notable expenses during the second quarter include the State Water Resource Control Board (SWRCB) annual water system fee (\$16k).
- Special Projects includes costs related to 2023 winter storm repairs, water quality and sediment management, COMB building improvements and maintenance, SCADA improvements and support, right of way identification program and GIS and mapping. Actuals costs of \$637.8K (46.4%) are slightly higher than the apportioned budget. Timing of expenditures in this category can vary based on project needs. Year to date, COMB has incurred \$597.7K related to the 2023 winter storm repairs. COMB is seeking reimbursement from FEMA/CalOES for these costs.
- Infrastructure Improvement Projects - Board policy requires that all infrastructure improvement projects be approved through Committee and by the Board prior to commencement. Year to date actual costs total \$117.2K. This amount is attributed to the Bradbury Dam Stilling Basin De-

Watering project. The timing and ranking of other projects are dependent on factors such as: (1) water supply reliability, (2) risk, (3) critical need/life cycle of asset, (4) safety, and (5) service disruption necessary to accomplish project.

- **The total Operations Division expenses thru September of \$1.9M (34.4%) for FY 2023-24 are within budget.**
- **The projected annualized Operations Division expenses of \$4.7M (85.9%) for FY 2023-24 are within budget as reflected in Table 2:**

**Table 2**  
Operations Division

	Actual Jul-Sep	Actual Oct-Dec	Projected Jan-Mar	Projected Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 765,468	\$ 836,276	\$ 2,001,869	\$ 1,443,369	\$ 5,046,981	\$ 5,453,875	\$ (406,894)	92.5%
Total Income	765,468	836,276	2,001,869	1,443,369	5,046,981	5,453,875	(-406,894)	92.5%
Expense								
General and Admin Expenses	44,534	73,437	53,344	50,094	221,410	262,525	(41,115)	84.3%
General and Admin Labor	224,840	123,135	167,550	167,550	683,076	670,202	12,874	101.9%
O&M Labor	294,494	226,333	305,087	305,087	1,131,000	1,220,348	(89,348)	92.7%
O&M Vehicle & Equip	6,533	17,151	27,500	157,500	208,684	290,000	(81,316)	72.0%
O&M Contract Labor	24,921	29,154	40,000	40,000	134,075	160,000	(25,925)	83.8%
O&M Material and Supplies	5,642	7,158	25,000	25,000	62,800	100,000	(37,200)	62.8%
O&M Other Expenses	10,714	34,335	32,138	14,388	91,574	75,800	15,774	120.8%
Special Projects	402,920	234,859	51,250	48,750	737,779	1,375,000	(637,221)	109.0%
Infrastructure Improvement Proj	-	117,160	1,300,000	-	1,417,160	1,300,000	117,160	109.0%
Total Expense	1,014,598	\$ 862,721	\$ 2,001,869	\$ 808,369	\$ 4,687,557	\$ 5,453,875	\$ (766,318)	85.9%
Net Surplus / (Deficit)	(249,130)	\$ (26,446)	\$ -	\$ 635,000	\$ 359,424	\$ -	\$ 359,424	

Note:

(1) Results are unaudited and subject to change.

(2) Fourth quarter results include projected FEMA/CalOES reimbursement (\$635K) related to the 2023 Winter Storm Repairs.

### **Fisheries Division**

- **Fisheries Division Labor** includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the Fisheries Division Manager, two Senior Field Biologists, a Biologist Aide position, and four part-time seasonal positions. Personnel costs of \$399.3K (48.4%) are within budget.
- **Vehicles & Equipment** includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$16.8K (32.0%) are lower than budget due to lower than projected vehicle maintenance costs.
- **Contract Labor** contains funds for outside services/labor to support equipment calibration on flow meters, and funds for technical assistance corresponding to the operation, maintenance and performance review of completed fish passage projects. Projected consultant services are reviewed by the COMB General Manager and Fisheries Division Manager to control costs in this category. Actual costs of \$4.8K (33.8%) are within budget.
- **Materials and Supplies** includes costs for the purchase of items needed for the Fisheries Monitoring Program specifically for migration, spawning and over-summering, constructing and repairing fish migration traps and the equipment necessary to conduct snorkel and redds surveys. Actual costs of \$1.3K (16.6%) are within budget.
- **Other Expenses** includes funds to pay for uniforms and gear for the fisheries division employees. Actual costs of \$1.2K (12.4%) are within budget.

- Fisheries Division Activities includes funding for special activities related to ongoing Cachuma Project Biological Opinion (BiOp) compliance efforts, the implementation of the Lower Santa Ynez River Fisheries Monitoring Program (FMP), GIS mapping, the USGS Stream Gauge Program and the 2023 Winter Storm repairs. The use of external consultants and the timing of expenditures can vary year-to-year based on specific program needs or as particular stream or habitat issues arise. Actual costs of \$249.3K include repairs to Quiota Creek Crossings 5 and 9 (\$214K) and the USGS Stream Gauge Program (\$30.2K).
- Fisheries Habitat Improvement – includes funds for the Oak Tree Restoration Program and Tributary Project Improvements. Actual costs of \$1.5K (5.9%) are within budget.
- **The total Fisheries Division expenses thru December of \$859.2K (56.0%) for FY 2023-24 are slightly over budget due to the timing of collection of assessments.**
- **The projected annualized Fisheries Division expenses of \$1.6M (105.2%) for FY 2023-24 are reflected in Table 3 below:**

**Table 3**  
Fisheries Division

	Actual Jul-Sep	Actual Oct-Dec	Projected Jan-Mar (*)	Projected Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 418,834	\$ 413,855	\$ 389,766	\$ 439,516	\$ 1,661,970	\$ 1,533,913	\$ 128,057	108.3%
Expense								
General and Admin Expenses	24,174	41,432	25,983	24,233	115,822	131,181	(15,359)	88.3%
General and Admin Labor	68,771	50,561	74,188	74,188	267,707	296,750	(29,043)	90.2%
Fisheries Labor	228,138	171,168	206,096	206,096	811,496	824,382	(12,886)	98.4%
Fisheries Vehicle & Equip	6,505	10,279	13,125	13,125	43,033	52,500	(9,467)	82.0%
Fisheries Contract Labor	321	4,450	2,000	2,000	8,771	14,100	(5,329)	62.2%
Fisheries Material and Supplies	314	1,015	2,000	2,000	5,329	8,000	(2,671)	66.6%
Fisheries Other Expenses	222	1,020	875	2,375	4,492	10,000	(5,508)	44.9%
Fisheries Activities	38,302	210,998	40,500	50,500	340,300	172,000	168,300	197.8%
Fisheries Habitat Enhancement	137	1,349	10,000	5,000	16,487	25,000	(8,513)	65.9%
Total Expense	\$ 366,884	\$ 492,273	\$ 374,766	\$ 379,516	\$ 1,613,438	\$ 1,533,913	\$ 79,525	105.2%
Net Surplus / (Deficit)	\$ 51,951	\$ (78,418)	\$ 15,000	\$ 60,000	\$ 48,533	\$ -	\$ 48,533	

Note: Results are unaudited and subject to change.

(\*) 3rd/4th Quarter results include Warren Act Trust Fund/Renewal Funds (\$45k) and 2000 BiOp Expense Reimbursement (\$30k) to be collected

### **Restricted Funds and Obligations**

- **Warren Act Trust Fund (Restricted Fund)** - The Warren Act Trust Fund is a requirement of the Cachuma Project Warren Act Contract negotiated between the Central Coast Water Authority (CCWA) and the Bureau of Reclamation for delivery and transport of State Water Project (SWP) water through the Cachuma Project facilities. A 1995 memorandum of understanding executed in conjunction with the Warren Act Contract established a charge of \$43 per acre-foot (AF). Payments are required upon delivery of SWP water to Cachuma Reservoir. CCWA makes quarterly payments to COMB based on the prior quarter's water deliveries to the lake.

COMB collected \$210.8K of Warren Act Trust Fund payments from CCWA for SWP deliveries that occurred in calendar year 2022. These funds were reviewed at the annual Cachuma Project Warren Act Trust Fund and Renewal Fund meeting for use in FY 2023-24.

- **Renewal Funds (Restricted Fund)** - The Renewal Fund is a requirement of the 1995 Renewal Master Contract (Contract No. 175r-1802R between the United States and Santa Barbara County Water Agency) entered into for water conveyance from the Cachuma Project to the five Cachuma Project Member Units. The Member Units are the Carpinteria Valley Water District, the Goleta Water District, the Montecito Water District, the City of Santa Barbara, and the Santa Ynez River Water Conservation District, Improvement District No. 1 (ID No. 1).



The Renewal Master Contract requires the payment of \$10 per acre-foot of water made available by the Cachuma Project. The Renewal Fund itself is capped at \$257,100, which is related to the current annual operational yield of 25,714 AF.

In accordance with the Cachuma Project Master Contract, Article 27 – Renewal Fund, Sub Article (e):

1. The aggregate amount to be deposited by the Cachuma Member Units in any Water Year shall not exceed the lesser of the amounts determined pursuant to sub articles 27 (e)(2), (e)(3), and (e)(4), as stated below.
2. The aggregate amount to be deposited by the Cachuma Project Member Units in any Water Year shall not exceed an amount equal to \$10 (May 1995 price levels using the Consumer Price Index) for each acre-foot of Project water scheduled for delivery that water year.
3. The aggregate amount to be deposited by the Cachuma Member Units in any Water Year shall not exceed an amount which bears a ratio to \$257,100, which is inverse to the ratio which the aggregate amount paid into the Cachuma Project Trust Fund during the immediately preceding Calendar Year bears to \$300,000.
4. If (i) at the beginning of any Water Year the combined balance of the Cachuma Project Trust Fund and the Renewal Fund is \$600,000 or more, or (ii) the Contracting Officer has determined that the maximum operation elevation of the Cachuma Reservoir shall be less than 750 feet, then no contributions to the Renewal Fund are required for such year Water Year.

In July 2023, Reclamation notified the Santa Barbara County Water Agency and the Cachuma Project Member Units that their annual allocation request of 100% was approved for WY 2023-24. As a result, the aggregate amount to be collected from the Cachuma Project Member Units pursuant to Sub Article 27 (e)(3) of the Renewal Master Contract, is as follows:

<b>Given:</b>	WATF = \$210,786
	AOY = Annual Operation Yield of 25,714 x \$10 = \$257,100
	RFC = Renewal Fund Calculation = $[1 - (WATF / \$300,000)] \times AOY$
<b>Then:</b>	RFC = $[1 - (\$210,786 / \$300,000)] \times \$257,100$
	RFC = \$76,456

- **Bradbury/Lauro SOD Contracts** - Under the terms and conditions of a repayment contract executed in 2002, COMB is responsible for payment to the United States of fifteen percent (15%) of the total amount of Safety of Dams (SOD) Act funds expended by the United States for structural stability and related work at Bradbury Dam.

The fifteen percent obligation under the Bradbury SOD contract is \$7,605,739 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2023-24 is \$261,647. COMB assesses the Cachuma Project Member Units in accordance with their respective Cachuma Project entitlement percentages.

The fifteen percent obligation under the Lauro SOD contract is \$1,009,737 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2023-24 is \$47,404. COMB assesses the COMB Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

**COMMITTEE STATUS:**

The Administrative Committee received a presentation on the 2<sup>nd</sup> Quarter Fiscal Year 2023-24 Financial Review and forwards to the Board of Directors with a recommendation to receive and file.

**LIST OF EXHIBITS:**

- 1) Fiscal Year 2023-24 Statement of Revenue and Expenditures
- 2) Quarterly Financial Review Presentation

**Cachuma Operation & Maintenance Board  
Statement of Revenues and Expenditures - Unaudited  
Budget vs. Actuals**

	Fisheries				Operations				TOTAL			
	Jul-Dec 23	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Dec 23	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Dec 23	Budget	\$ Over / (Under) Budget	% of Budget
<b>Revenue</b>												
Revenue	\$ 832,689.05	\$ 1,533,913.00	\$ (701,223.95)	54.3%	\$ 1,601,743.59	\$ 5,453,875.00	\$ (3,852,131.41)	29.4%	\$ 2,434,432.64	\$ 6,987,788.00	\$ (4,553,355.36)	34.8%
<b>Total Revenue</b>	<b>832,689.05</b>	<b>1,533,913.00</b>	<b>(701,223.95)</b>	<b>54.3%</b>	<b>1,601,743.59</b>	<b>5,453,875.00</b>	<b>(3,852,131.41)</b>	<b>29.4%</b>	<b>2,434,432.64</b>	<b>6,987,788.00</b>	<b>(4,553,355.36)</b>	<b>34.8%</b>
<b>Expense</b>												
General and Admin Expenses	65,606.41	131,181.00	(65,574.59)	50.0%	117,971.37	262,525.00	(144,553.63)	44.9%	183,577.78	393,706.00	(210,128.22)	46.6%
General and Admin Labor	119,331.75	296,750.00	(177,418.25)	40.2%	347,975.17	670,202.00	(322,226.83)	51.9%	467,306.92	966,952.00	(499,645.08)	48.3%
O&M Labor	-	-	-	-	520,826.21	1,220,348.00	(699,521.79)	42.7%	520,826.21	1,220,348.00	(699,521.79)	42.7%
O&M Vehicle & Equip	-	-	-	-	23,683.52	290,000.00	(266,316.48)	8.2%	23,683.52	290,000.00	(266,316.48)	8.2%
O&M Contract Labor	-	-	-	-	54,074.87	160,000.00	(105,925.13)	33.8%	54,074.87	160,000.00	(105,925.13)	33.8%
O&M Material and Supplies	-	-	-	-	12,800.46	100,000.00	(87,199.54)	12.8%	12,800.46	100,000.00	(87,199.54)	12.8%
O&M Other Expenses	-	-	-	-	45,048.69	75,800.00	(30,751.31)	59.4%	45,048.69	75,800.00	(30,751.31)	59.4%
Special Projects	-	-	-	-	637,779.23	1,375,000.00	(737,220.77)	46.4%	637,779.23	1,375,000.00	(737,220.77)	46.4%
Infrastructure Improvement Projects	-	-	-	-	117,159.74	1,300,000.00	(1,182,840.26)	9.0%	117,159.74	1,300,000.00	(1,182,840.26)	9.0%
Fisheries Labor	399,305.21	824,382.00	(425,076.79)	48.4%	-	-	-	-	399,305.21	824,382.00	(425,076.79)	48.4%
Fisheries Vehicle & Equip	16,783.15	52,500.00	(35,716.85)	32.0%	-	-	-	-	16,783.15	52,500.00	(35,716.85)	32.0%
Fisheries Contract Labor	4,771.18	14,100.00	(9,328.82)	33.8%	-	-	-	-	4,771.18	14,100.00	(9,328.82)	33.8%
Fisheries Material and Supplies	1,329.48	8,000.00	(6,670.52)	16.6%	-	-	-	-	1,329.48	8,000.00	(6,670.52)	16.6%
Fisheries Other Expenses	1,242.30	10,000.00	(8,757.70)	12.4%	-	-	-	-	1,242.30	10,000.00	(8,757.70)	12.4%
Fisheries Activities	249,300.16	172,000.00	77,300.16	144.9%	-	-	-	-	249,300.16	172,000.00	77,300.16	144.9%
Fisheries Habitat Enhancement	1,486.87	25,000.00	(23,513.13)	5.9%	-	-	-	-	1,486.87	25,000.00	(23,513.13)	5.9%
Other Interest Expense - EPPF	-	-	-	0.0%	-	-	-	-	-	-	-	0.0%
<b>Total Expense</b>	<b>859,156.51</b>	<b>1,533,913.00</b>	<b>(674,756.49)</b>	<b>56.0%</b>	<b>1,877,319.26</b>	<b>5,453,875.00</b>	<b>(3,576,555.74)</b>	<b>34.4%</b>	<b>2,736,475.77</b>	<b>6,987,788.00</b>	<b>(4,251,312.23)</b>	<b>39.2%</b>
<b>Surplus / (Deficit) - O&amp;M</b>	<b>\$ (26,467.46)</b>	<b>\$ -</b>	<b>\$ (26,467.46)</b>		<b>\$ (275,575.67)</b>	<b>\$ -</b>	<b>\$ (275,575.67)</b>		<b>\$ (302,043.13)</b>	<b>\$ -</b>	<b>\$ (302,043.13)</b>	

Note: Results are unaudited and subject to change.

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# Cachuma Operation & Maintenance Board

Financial Review – 2nd Quarter  
Fiscal Year 2023-24



# Financial Review

## Revenues Collected – 2<sup>nd</sup> Quarter

<b>COMB O&amp;M Budget Assessment (October - December 2023)</b>	<b>\$ 869,711</b>
<b>Warren Act Trust Fund / Renewal Fund Reimbursement</b>	<b>318,182</b>
<b>FEMA/CalOES re: 2023 Winter Storm Repairs</b>	<b>44,251</b>
<b>2000 BiOp and Oak Tree Mitigation Reimbursement</b>	<b>7,117</b>
<b>Interest Income</b>	<b>14,438</b>
<b>Total Revenues Collected</b>	<b>\$ 1,253,699</b>

# Financial Review

	Operations Division			
	Jul - Dec (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
<b>Revenue</b>				
Revenue	\$ 1,601,744	\$ 5,453,875	\$ (3,852,131)	29.4%
<b>Expense</b>				
General and Admin Expenses	117,971	262,525	(144,554)	44.9%
General and Admin Labor	347,975	670,202	(322,227)	51.9%
O&M Labor	520,826	1,220,348	(699,522)	42.7%
O&M Vehicle & Equip	23,684	290,000	(266,316)	8.2%
O&M Contract Labor	54,075	160,000	(105,925)	33.8%
O&M Material and Supplies	12,800	100,000	(87,200)	12.8%
O&M Other Expenses	45,049	75,800	(30,751)	59.4%
Special Projects	637,779	1,375,000	(737,221)	46.4%
Infrastructure Improvement Projects	117,160	1,300,000	(1,182,840)	9.0%
<b>Total Expense</b>	<b>\$ 1,877,319</b>	<b>\$ 5,453,875</b>	<b>\$ (3,576,556)</b>	<b>34.4%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ (275,576)</b>	<b>\$ -</b>	<b>\$ (275,576)</b>	<b>100.0%</b>

Note: Results are unaudited and subject to change.

# Financial Review

## Operations Division

	Actual Jul-Sep	Actual Oct-Dec	Projected Jan-Mar	Projected Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
<b>Revenue</b>								
Revenue	\$ 765,468	\$ 836,276	\$ 2,001,869	\$ 1,443,369	\$ 5,046,981	\$ 5,453,875	\$ (406,894)	92.5%
<b>Total Income</b>	<b>765,468</b>	<b>836,276</b>	<b>2,001,869</b>	<b>1,443,369</b>	<b>5,046,981</b>	<b>5,453,875</b>	<b>(406,894)</b>	<b>92.5%</b>
<b>Revenue</b>	\$ 765,468	\$ 836,276	\$ 2,001,869	\$ 1,443,369	\$ 5,046,981	\$ 5,453,875	\$ (406,894)	92.5%
<b>Expense</b>								
General and Admin Expenses	44,534	73,437	53,344	50,094	221,410	262,525	(41,115)	84.3%
General and Admin Labor	224,840	123,135	167,550	167,550	683,076	670,202	12,874	101.9%
O&M Labor	294,494	226,333	305,087	305,087	1,131,000	1,220,348	(89,348)	92.7%
O&M Vehicle & Equip	6,533	17,151	27,500	157,500	208,684	290,000	(81,316)	72.0%
O&M Contract Labor	24,921	29,154	40,000	40,000	134,075	160,000	(25,925)	83.8%
O&M Material and Supplies	5,642	7,158	25,000	25,000	62,800	100,000	(37,200)	62.8%
O&M Other Expenses	10,714	34,335	32,138	14,388	91,574	75,800	15,774	120.8%
Special Projects	402,920	234,859	51,250	48,750	737,779	1,375,000	(637,221)	109.0%
Infrastructure Improvement Proj	-	117,160	1,300,000	-	1,417,160	1,300,000	117,160	109.0%
<b>Total Expense</b>	<b>1,014,598</b>	<b>\$ 862,721</b>	<b>\$ 2,001,869</b>	<b>\$ 808,369</b>	<b>\$ 4,687,557</b>	<b>\$ 5,453,875</b>	<b>\$ (766,318)</b>	<b>85.9%</b>
<b>Net Surplus / (Deficit)</b>	<b>(249,130)</b>	<b>\$ (26,446)</b>	<b>\$ -</b>	<b>\$ 635,000</b>	<b>\$ 359,424</b>	<b>\$ -</b>	<b>\$ 359,424</b>	

**Note:**

- (1) Results are unaudited and subject to change.
- (2) Fourth quarter results include projected FEMA/CalOES reimbursement (\$635K) related to the 2023 Winter Storm Repairs.



# Financial Review

	Fisheries Division			
	Jul-Dec (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
<b>Revenue</b>				
Revenue	\$ 832,689	\$ 1,533,913	\$ (701,224)	54.3%
<b>Expense</b>				
General and Admin Expenses	65,606	131,181	(65,575)	50.0%
General and Admin Labor	119,332	296,750	(177,418)	40.2%
Fisheries Labor	399,305	824,382	(425,077)	48.4%
Fisheries Vehicle & Equip	16,783	52,500	(35,717)	32.0%
Fisheries Contract Labor	4,771	14,100	(9,329)	33.8%
Fisheries Material and Supplies	1,329	8,000	(6,671)	16.6%
Fisheries Other Expenses	1,242	10,000	(8,758)	12.4%
Fisheries Activities	249,300	172,000	77,300	144.9%
Fisheries Habitat Enhancement	1,487	25,000	(23,513)	5.9%
<b>Total Expense</b>	<b>\$ 859,157</b>	<b>\$ 1,533,913</b>	<b>\$ (674,756)</b>	<b>56.0%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ (26,467)</b>	<b>\$ -</b>	<b>\$ (26,467)</b>	<b>100.0%</b>

Note: Results are unaudited and subject to change.

# Financial Review

## Fisheries Division

	Actual Jul-Sep	Actual Oct-Dec	Projected Jan-Mar (*)	Projected Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
<b>Revenue</b>								
Revenue	\$ 418,834	\$ 413,855	\$ 389,766	\$ 439,516	\$ 1,661,970	\$ 1,533,913	\$ 128,057	108.3%
<b>Expense</b>								
General and Admin Expenses	24,174	41,432	25,983	24,233	115,822	131,181	(15,359)	88.3%
General and Admin Labor	68,771	50,561	74,188	74,188	267,707	296,750	(29,043)	90.2%
Fisheries Labor	228,138	171,168	206,096	206,096	811,496	824,382	(12,886)	98.4%
Fisheries Vehicle & Equip	6,505	10,279	13,125	13,125	43,033	52,500	(9,467)	82.0%
Fisheries Contract Labor	321	4,450	2,000	2,000	8,771	14,100	(5,329)	62.2%
Fisheries Material and Supplies	314	1,015	2,000	2,000	5,329	8,000	(2,671)	66.6%
Fisheries Other Expenses	222	1,020	875	2,375	4,492	10,000	(5,508)	44.9%
Fisheries Activities	38,302	210,998	40,500	50,500	340,300	172,000	168,300	197.8%
Fisheries Habitat Enhancement	137	1,349	10,000	5,000	16,487	25,000	(8,513)	65.9%
<b>Total Expense</b>	<b>\$ 366,884</b>	<b>\$ 492,273</b>	<b>\$ 374,766</b>	<b>\$ 379,516</b>	<b>\$ 1,613,438</b>	<b>\$ 1,533,913</b>	<b>\$ 79,525</b>	<b>105.2%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ 51,951</b>	<b>\$ (78,418)</b>	<b>\$ 15,000</b>	<b>\$ 60,000</b>	<b>\$ 48,533</b>	<b>\$ -</b>	<b>\$ 48,533</b>	

**Note:**

(1) Results are unaudited and subject to change.

(2) 3rd/4th Quarter results include Warren Act Trust Fund/Renewal Funds (\$45k) and 2000 BiOp Expense Reimbursement (\$30k) to be collected

# Financial Review

## Upcoming Deliverables – Administrative Division

- Prepare O&M Budget for FY 2024-25.
- Update COMB Personnel Policy and Employee Handbook / Injury Illness Prevention Plan (IIPP) and Safe Operating Procedures.
- Update 2024 Training Schedule for Staff.
- Pursue Reimb of IRWMP / Congressional Direct Spending Grants.
- Pursue FEMA Reimbursement for January 9, 2023 Storm Event.

# Financial Review

**QUESTIONS?**

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	February 26, 2024
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

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**SUBJECT:**      **Extension of Financial Auditing Services – Fiscal Year 2023-24**

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**RECOMMENDATION:**

The Board of Directors review and approve the proposed cost to extend COMB's financial auditing services with Barlett, Pringle & Wolf, LLP (BPW) and authorize the General Manager to execute a one-year contract extension with BPW for auditing services for Fiscal Year (FY) 2023-24.

**SUMMARY:**

Pursuant to the State Controller's office, the Cachuma Operation & Maintenance Board (COMB) JPA agreement and by various other financial institutions and agencies, COMB is required to conduct an annual independent audit examination and issue audited financial statements. An independent audit assures a high level of integrity and accountability for COMB's financial position and internal controls.

In 2021, staff prepared and issued a Request for Proposal (RFP) to various accounting firms for a three-year external independent auditing services agreement. Based on the selection criteria and scoring results, BPW prevailed as the selected external auditor for a three-year contract period. The current agreement with BPW was effective through the financial audit for FY 2022-23.

In August 2023, in coordination with its Fiscal Year 2022-23 year-end financial audit, COMB initiated discussions with Reclamation staff related to capitalizing the assets COMB has paid for and installed within the federal easement. One of the projects is the Modified Upper Reach Reliability Project (MURRP) which was completed in 2012. During this past fiscal year audit, BPW became aware of the matter and reviewed invoice documentation and discussed capitalization methods with staff to ensure COMB captures the asset appropriately into its financial statements. The re-statement is best performed by the firm with the most experience with COMB's operation and financial structure. Staff is recommending a one-year extension to BPW's contract to complete the proper re-statement of financial statements.

**FISCAL IMPACTS:**

The final year cost on the 3-year contract with Bartlett, Pringle & Wolf, LLP was \$21,000. The proposed fee for the one-year contract extension is \$25,000 and will be included in the Fiscal Year 2024-25 operating budget.

**COMMITTEE STATUS:**

The Administrative Committee reviewed staff information to extend COMB's financial auditing services with Barlett, Pringle & Wolf, LLP, and forwards to the Board with the recommendation to authorize the General Manager to execute a one-year contract extension with Bartlett, Pringle & Wolf, LLP (BPW) for auditing services for Fiscal Year (FY) 2023-24.

**LIST OF EXHIBITS:**

N/A

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	February 26, 2024
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

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**SUBJECT:** Director Compensation

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**RECOMMENDATION:**

The Board discuss the proposed change to Director Compensation and if approved, adopt Ordinance No. 5 supporting a change in Director Compensation.

**SUMMARY:**

The Cachuma Operation and Maintenance Board (COMB) Directors are compensated for the service they provide in official capacities. Specifically, Ordinance No. 4 adopted in 2023 provides for Directors' fees and mileage allowance for attendance at COMB Board meetings and COMB Committee meetings. The current allowance amount is set at \$195 per meeting for each Director and 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.** Compensation would remain at \$195 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 2023 with applicable Director compensation effective in April 2023. If Ordinance No. 5 is adopted, Director compensation would increase to \$204.75 per meeting.

No action is necessary to implement Option 1. Option 2 requires the Board to adopt Ordinance No. 5 (attached) amending the previously adopted Ordinance (No. 4). 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. Consequently, if the ordinance is adopted at the February 26<sup>th</sup> Board meeting, the increase to Director compensation would become effective April 26<sup>th</sup>, 2024.

The advanced notice of public hearing for Board consideration of Ordinance No. 5 was appropriately and timely published pursuant to Section 6066 of the Government Code and Section 20207 of the Water Code.

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

Water Agency	Amount	Increment	Note
Goleta	\$270.00	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	\$191.25		

Note;

- (1) Effective March 9, 2024
- (2) Limit of ten meetings per month.
- (3) Limit of six meetings per month.

Staff provides the following for Board discussion and possible approval:

1. No change to existing compensation.
2. Increase the allowance for Director Compensation from \$195 to \$204.75 (5% increase) per meeting 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, is to remain unchanged. The mileage would be calculated from District office to the required meeting location.

**FISCAL IMPACTS:**

The Fiscal Year 2023-24 Annual Operating budget provides \$20,000 for expenses related to Directors' compensation. The proposed change to Director Compensation will not affect the budgeted line item.

**COMMITTEE STATUS:**

The Administrative Committee has reviewed the proposed change to Director Compensation of \$204.75 and forwards to the Board with a recommendation to adopt Ordinance No. 5.

**LEGAL CONCURRENCE:**

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

**LIST OF EXHIBITS:**

- 1) Proposed Ordinance No. 5
- 2) Proof of Publication



**ORDINANCE NO. 5**

**ORDINANCE OF THE GOVERNING BOARD OF THE  
CACHUMA OPERATION AND MAINTENANCE BOARD  
AMENDING ORDINANCE NO. 4  
FIXING THE COMPENSATION OF 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 provide for an alternate method by which members (Directors) of the Governing Board 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.
- B. The Governing Board has, by adoption of Ordinance No. 4 on February 27, 2023, elected to fix the compensation of its Directors pursuant to Water Code Sections 20200 through 20207.
- C. The Governing Board has, by the adoption of this Ordinance, elected to amend Ordinance No. 4.
- D. Notice of a Public Hearing as a part of the Governing Board's regular meeting held on February 26, 2024 was published pursuant to Section 6066 of the Government Code and Section 20207 of the Water Code.
- E. Proof of Publication of said Notice in the Santa Barbara Independent on February 8, 2024 and February 15, 2024 has been filed with the records of the regular meeting held on February 26, 2024.
- F. The Public Hearing on the adoption of this Ordinance was held on February 26, 2024 prior to the adoption of this 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 is amended to read as follows:**

- 1. As provided in Water Code Section 20201, the compensation of each member of the Governing Board shall be the sum of \$204.75 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 fixed 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 26th day of February, 2024 by the following vote:**

**AYES:**

**NAYS:**

**ABSTAIN:**

**ABSENT:**

APPROVED

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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

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:

February 8  
all in the year 2024

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

Dated at Santa Barbara, California, this 8 day of February, 2024

[Signature]  
Signature

**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 February 26, 2024 via teleconference and in person. Information on how to attend can be found on the meeting agenda which is 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: 2/8/2023  
Cachuma Operation & Maintenance Board  
By: Janet Gingras, Secretary and General Manager

# THE SANTA BARBARA Independent

PROOF OF PUBLICATION

Item #8  
Exhibit #2  
Page 1

THE SANTA BARBARA  
**Independent**

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

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.

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:

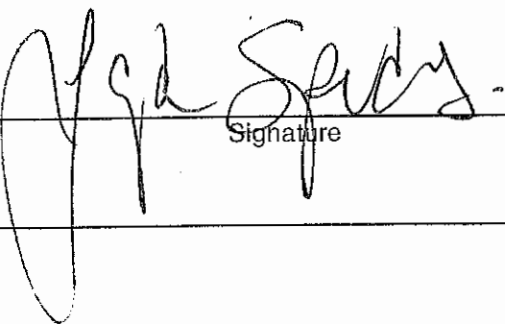
Feb 8, 15

all in the year 2024

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

Dated at Santa Barbara, California, this 15 day of

February, 2024

  
\_\_\_\_\_  
Signature

This space is for the County Clerk's Filing Stamp

Proof of Publication of

**NOTICE OF PUBLIC HEARING**  
NOTICE IS HEREBY GIVEN that the Governing Board of the Cachuma Operation &amp; Maintenance Board (COMB) will hold its regular meeting at 1:00 p.m. on February 26, 2024 via teleconference and in person. Information on how to attend can be found on the meeting agenda which is posted on the COMB website.  
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This Notice is given and published under the provisions of Water Code Section 20203 and Government Code Section 6065.  
Dated: 2/8/2023  
Cachuma Operation & Maintenance Board  
By: Janet Gingras, Secretary and General Manager

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	February 26, 2024
Submitted by:	Joel Degner
Approved by:	Janet Gingras

---

**SUBJECT:** Resolution No. 796 - Proposed Fiscal Year(s) (FY) 2025-2029 Infrastructure Improvement Plan (IIP)

---

**RECOMMENDATION:**

The Board of Directors review the proposed FY 2025-2029 Infrastructure Improvement Plan and adopt Resolution No. 796 approving the plan.

**SUMMARY:**

Presented for Board review is the proposed FY 2025-2029 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 IIP to the Member Agencies' technical staff. This version incorporates comments and adjustments to the plan as suggested at that meeting.

**FISCAL IMPACTS:**

The FY 2025-2029 IIP proposes a net cost of \$7,975,000 over the five-year planning horizon. Certain projects within the schedule are dependent upon receiving grant funding.

**ENVIRONMENTAL COMPLIANCE:**

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

**LEGAL CONCURRENCE:**

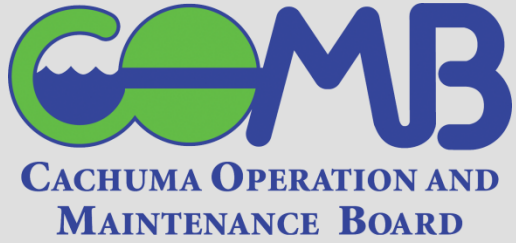
The draft resolution has been reviewed by Legal Counsel.

**COMMITTEE STATUS:**

The Operations Committee reviewed the Draft FY 2025-2029 Infrastructure Improvement Plan and forwards to the Board with a recommendation to adopt Resolution No. 796 approving the plan.

**LIST OF EXHIBITS:**

- 1) FY 2025-2029 Infrastructure Improvement Plan
- 2) Resolution No. 796



# INFRASTRUCTURE IMPROVEMENT PLAN

## FY 2025-2029 - **DRAFT**



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 2025-2029 was prepared under the direction of Janet Gingras, General Manager.**

### Staff Contributors

Joel Degner, Engineer / Operations Manager

Edward Lyons, CFO / Administrative Manager

Elijah Papen, Senior Program 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. Originally, the Cachuma Member Units consisted of 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. Separate from the term Cachuma Member Units, COMB Member Agencies currently consist of the GWD, the 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.

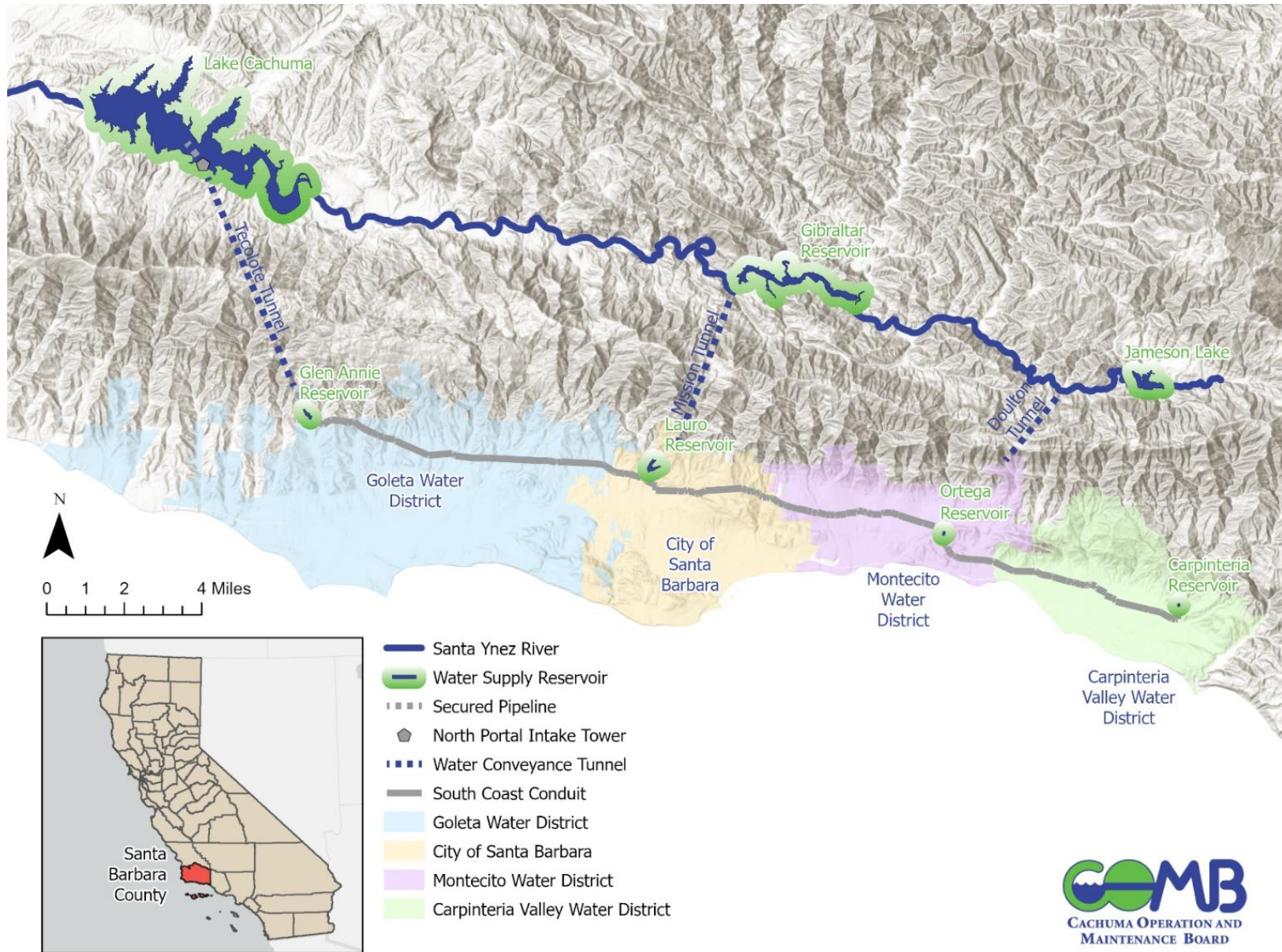
The Cachuma Member Units entered into contracts in 1949 (ID#1 in 1954) with the Santa Barbara County Water Agency for the purpose of receiving water from the Cachuma Project for use and benefit of the Cachuma Member Units. Over the past seventy years, the Cachuma Project has been the principal water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

Water from Lake Cachuma is conveyed to 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 west through the Santa Ynez Mountains to its western 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, blow offs, AVARs, 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

## ACROMYMS 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  
**OD** - Ortega Dam  
**OSR** - Other Staff Recommendations  
**PFR** - Periodic Facility Review  
**RO&M** - Review of Operation and Maintenance  
**SBCWA** - Santa Barbara County Water Agency  
**SCC** - South Coast Conduit  
**SIR** - Special Inspection Report  
**SSCPO** - Slope Stabilization and Channel Protection Observations  
**ST** - Sheffield Tunnel  
**SWP** - State Water Project  
**SWRCB** - State Water Resources Control Board

## **ACROMYMS AND ABBREVIATIONS (cont'd)**

**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 2025-2029



**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 3<sup>rd</sup> and 6<sup>th</sup> 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 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 FY2025 in accordance with the adoption of the FY2025 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

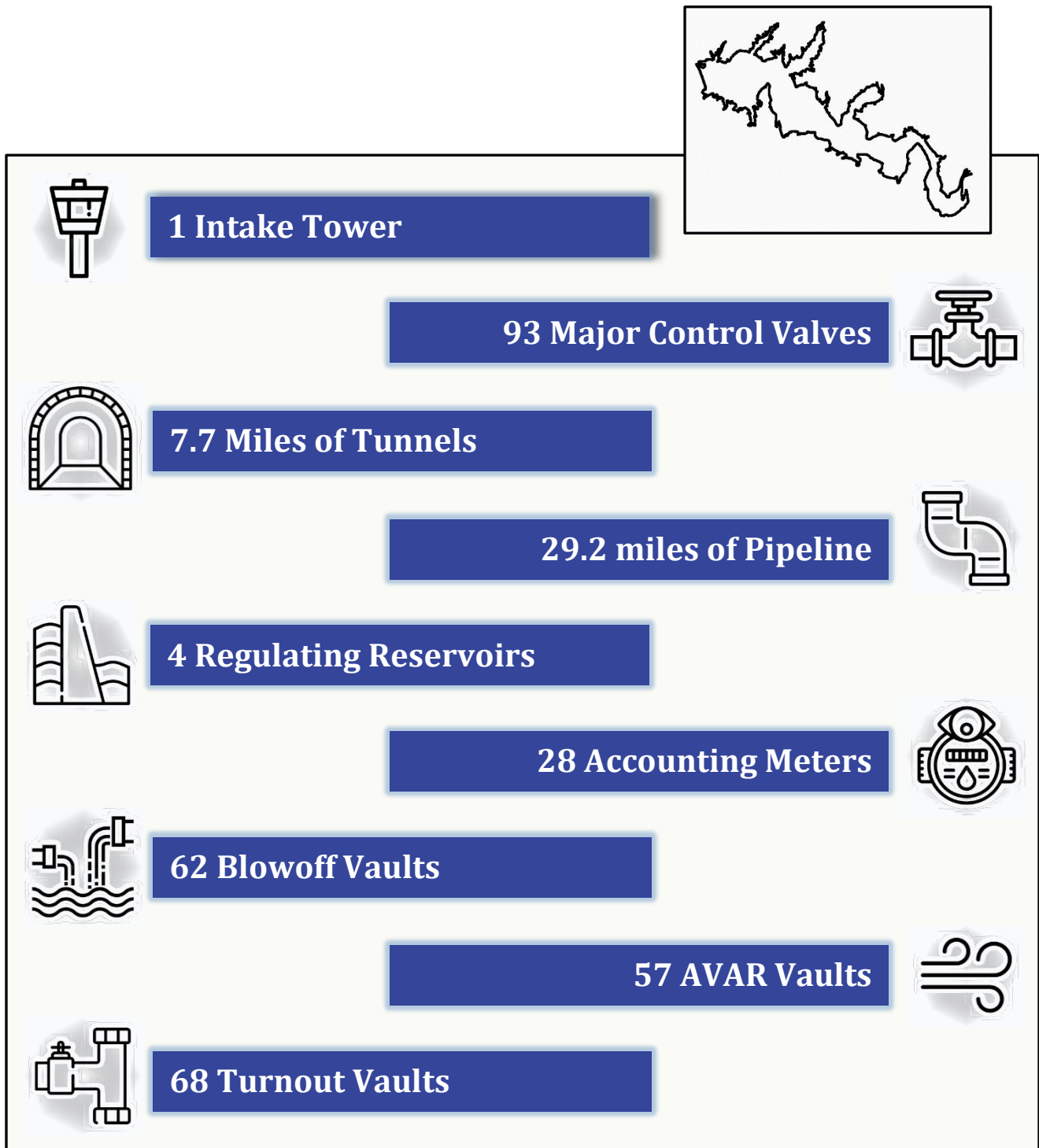


Figure 3. Summary of Managed Assets Figure

## INTAKE TOWER

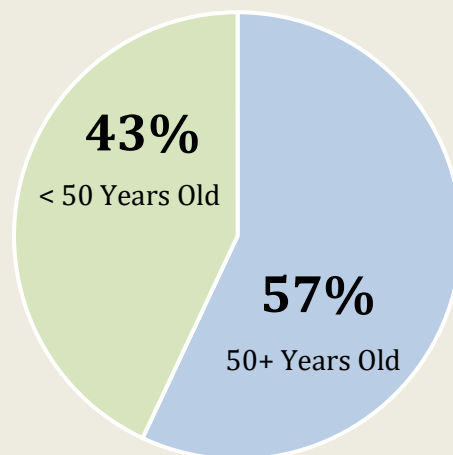
COMB operates and maintains the North Portal Intake Tower, which diverts water from Lake Cachuma into the Tecolote Tunnel and to the South Coast Conduit (SCC) for delivery to COMB Member Agencies. The vertical intake tower was built by the U. S. Bureau of Reclamation during construction of the Cachuma 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 blow off 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. Fifty-seven percent of the valves existing in the system are over 50 years old and are subject to increased risk of inoperability. The large blow off 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 blow off valves*

## TUNNELS

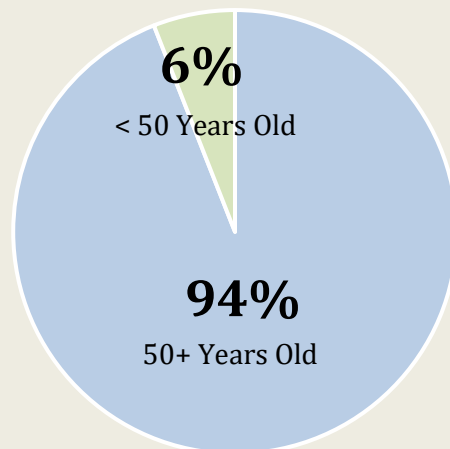
COMB maintains five separate tunnels covering over 7.7 miles throughout the Cachuma Project system. The tunnels vary in size, with the most significant being the 6.4-mile Tecolote Tunnel, which provides water conveyance from Lake Cachuma through the Santa Ynez Mountains to the South Coast Conduit where it is delivered to the water districts. The tunnels are 7 feet tall, horseshoe shaped, concrete walled tunnels 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. Ninety-four percent 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

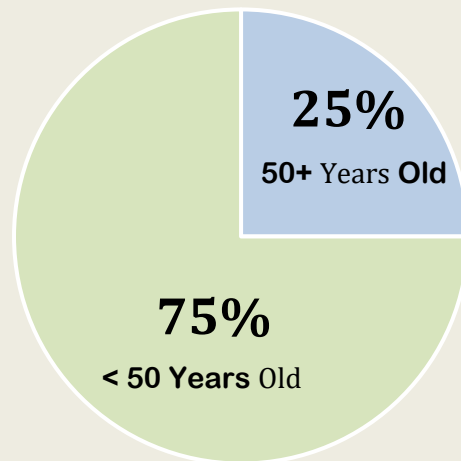
COMB operates and maintains four regulating reservoirs which balance conveyance operations within the South Coast area of the Cachuma Project system. Two of the reservoirs are zoned earth-filled embankment dams originally designed and installed by the Bureau of Reclamation. Lauro Dam has a structural 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*

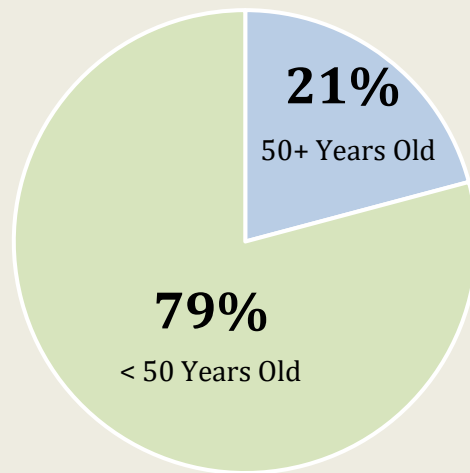


## STRUCTURES

COMB operates and maintains approximately 200 SCC structures throughout the system. This includes 62 blow-off 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 blow-off 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 percent of these components are over fifty years old. Significant progress has been made within the last five years, and now almost 80 percent of the structures have been rehabilitated as part of a structure rehabilitation program started in the early 2000s, with additional work being proposed during this IIP cycle.



**Figure 7.** Blow Off Structure at Station 99+22



*Newer structures up 9% 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.<sup>1</sup> 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 consequence of failure was rated from 1 to 10 according to the expected impacts 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

<sup>1</sup> EPA. 2016. [https://www.epa.gov/sites/production/files/2016-01/epa\\_smsm.xls](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 monitors 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 is 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 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, 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 relate 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
Priority 2: Required to Maintain Level of Service	2004-2-B	Rehabilitate South Coast Conduit Lateral Structures
	2013-2-L	Lower Reach South Coast Conduit Blow Off / AVAR Valve Replacement
Priority 3: Addresses Critical Deficiency	2018-C-4	Lauro Reservoir Bypass Channel Road Improvements
	2007-2-B	Sheffield Tunnel Assessment and Repair
	2016-C-1	North Portal Intake Tower and Gate Chamber Seismic Assessment
	2025-C-5	Critical Access Road Maintenance and Improvements
	2018-2-A	Lauro Reservoir Intake Design and Repair
	2025-C-4	Upper Reach Blow Off 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
	2025-C-1	North Portal Log Boom Replacement
Priority 6: System Reliability and Improvements	2013-C-1	North Portal Jet Flow Control Valve Replacement
	2025-C-2	Multi-Site Renewable Energy and Resiliency

\*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 ten percent 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 in priority categories by the condition rating and then by the consequence of failure rating. Projects that are proposed to occur earlier have been scheduled as such due to high criticality. Projects have been scheduled in a manner that reduces risk and spreads costs across fiscal years, taking advantage of grant opportunities when available. The Emergency Pumping Facility Pump Station is a significant capital expenditure that is required to maintain service during drought conditions and is included in the five-year budget process but would only be required if drought conditions occur.

**Table 4. Five-Year Budget Matrix for All Projects**

		Project ID	Project Name	2024-25	2025-26	2026-27	2027-28	2028-29	5-yr Total
Priority	1	2025-C-10	Lauro Outlet Works Tunnel Safety Improvements	\$100,000	\$100,000				\$200,000
		2025-C-3	North Portal Elevator Modification	\$100,000	\$100,000	\$100,000	\$400,000	\$500,000	\$1,200,000
	2	2004-2-B	Rehabilitate South Coast Conduit Lateral Structures	\$305,000					\$305,000
		2013-2-L	Lower Reach South Coast Conduit Blow Off / AVAR Valve Replacement	\$90,000	\$220,000				\$310,000
	3	2018-C-4	Lauro Reservoir Bypass Channel Road Improvements*	\$1,320,000					\$1,320,000
		2007-2-B	Sheffield Tunnel Assessment and Repair	\$75,000	\$130,000	\$300,000			\$505,000
		2016-C-1	North Portal Intake Tower and Gate Chamber Seismic Assessment	\$100,000	\$200,000				\$300,000
		2025-C-5	Critical Access Road Maintenance and Improvements	\$75,000	\$200,000	\$325,000	\$300,000	\$300,000	\$1,200,000
		2018-2-A	Lauro Reservoir Intake Design and Repair**	\$50,000	\$100,000				\$150,000
		2025-C-4	Upper Reach Blow Off Riser Nozzle Rehabilitation		\$150,000	\$200,000	\$250,000		\$600,000
		2013-C-1	Meter Replacement Program		\$100,000	\$100,000	\$150,000		\$350,000
		2019-C-4	Critical Control Valve Replacement		\$250,000	\$250,000	\$150,000		\$650,000
	4	2019-C-10	South Coast Conduit Interior Pipeline Inspection				\$300,000	\$300,000	\$600,000
		2005-2-B	Tecolote Tunnel Weep Hole Restoration	\$100,000	\$100,000	\$100,000			\$300,000
		1999-2-A	Tecolote Tunnel Concrete Deterioration Investigation		\$150,000				\$150,000
	5	2025-C-1	North Portal Log Boom Replacement	\$135,000					\$135,000
		2013-C-1	North Portal Jet Flow Control Valve Replacement			\$200,000	\$200,000		\$400,000
	6	2025-C-2	Multi-Site Renewable Energy and Resiliency***	\$50,000	\$250,000	\$150,000			\$450,000
<b>Subtotal</b>				<b>\$2,500,000</b>	<b>\$2,050,000</b>	<b>\$1,725,000</b>	<b>\$1,750,000</b>	<b>\$1,100,000</b>	<b>\$9,125,000</b>
<b>Member Agency Offsets / Grant Funding</b>				<b>(\$800,000)</b>	<b>(\$350,000)</b>				<b>(\$1,150,000)</b>
<b>Total</b>				<b>\$1,700,000</b>	<b>\$1,700,000</b>	<b>\$1,725,000</b>	<b>\$1,750,000</b>	<b>\$1,100,000</b>	<b>\$7,975,000</b>

\*The Lauro Reservoir Bypass Channel Road Improvements (2018-C-4) project schedule depends upon grant funding opportunities (placeholder \$800,000)

\*\*Lauro Reservoir Intake maintenance is required to be compensated (per 1980 Agreement No. 0-07-20-L1582) by the via the Cater JPA (current estimate \$150,000)

\*\*\*The Multi-Site Renewable Energy and Resiliency (2025-C-2) project schedule depends upon grant funding opportunities (placeholder \$200,000)



**APPENDIX A: IIP PROJECT DESCRIPTIONS - DRAFT**

### 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 a 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 minimize 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 drainway would be added to facilitate faster personnel egress and to evacuate large volumes of water from the facility, preventing floodwaters to backup within 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.



**Figure A.1** Lauro Outlet Works Tunnel Access House

### PRIORITY CATEGORY

**1. Regulatory, Legal, or Safety Requirement**

### ESTIMATED COST

**\$200,000**

Fiscal Year	Phase	Cost
2025	Dsgn/Cons	\$100,000
2026	Cons	\$100,000

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 8ft in diameter and 156ft 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 ft of ladder rungs up to the surface doors using a full body harness and fall arrest self-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 will occur simultaneous to the study.



Figure A.2 North Portal Elevator Shaft

## PRIORITY CATEGORY

**1. Regulatory, Legal, or Safety Requirement**

## ESTIMATED COST

**\$1,200,000\***

Fiscal Year	Phase	Cost
2025	Study/Mods	\$100,000
2026	Study/Mods	\$100,000
2027	Study/Mods	\$100,000
2028	Cons	\$400,000
2029	Cons	\$500,000

\*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

There are approximately 68 lateral connections along the South Coast Conduit. The function of these connections is to provide water to the treatment plants and specific sections of the Member Agencies distribution systems requiring direct feed. Each connection generally contains two gate valves, a meter, and an air vent component. All the SCC Upper Reach laterals have now been blind-flanged and air gapped except for the larger functional laterals: Goleta West Conduit and Corona Del Mar Water Treatment Plant box turnouts. Several laterals in the SCC Lower Reach were abandoned or rehabilitated in the 1980s, 2005, or more recently in the F1 (2023) and F4 (2021) Schedule F work, concluding Phase I of a cooperative agreement between COMB and Carpinteria Valley Water District (CVWD).

## Need

As of the date of this IIP, 14 of the 30 laterals in the CVWD service area have reached their maximum life and need rehabilitation. Ten of these high-risk laterals will be rehabilitated during Phase II of the COMB-CVWD cooperative agreement (LAT 7-10, 12-16, and 28). Four lower risk laterals remain original and will be rehabilitated by COMB when required (LAT 22, 25, 26, and 27). The dependability of these valves is necessary to perform maintenance and shutdowns of the South Coast Conduit. The consequence of not completing this project could result in lateral failure/inoperability limiting deliveries to customers served by those laterals or complicating operations if leak-by or a major failure occurred.

## Description

The project would require coordination with CVWD. For efficiency and to minimize cost, the work on the laterals would be conducted in the same area and year as the Lower Reach South Coast Conduit Blowoff Nozzle/Valve replacement project.



**Figure A.3** SCC Lower Reach Lateral 22

### PRIORITY CATEGORY

**2. Required to Maintain Level of Service**

### ESTIMATED COST

**\$305,000**

Fiscal Year	Phase	Cost
2025	F5	\$305,000

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

## Background

Blow-off structures exist on all low points of a water distribution system. Blow-offs 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 blow-offs 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 blow-off structures are original (STA 698+55, 732+72, and 880+05) plus two additional blow-offs 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, blow-off nozzles, gate valves, upper spools, and discharge piping for original blow-offs 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 Blow Off Structure

## PRIORITY CATEGORY

**2. Required to Maintain Level of Service**

## ESTIMATED COST

**\$310,000**

Fiscal Year	Phase	Cost
2025	F3, F4	\$90,000
2026	F2, F5	\$220,000

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

\$1,320,000\*

Fiscal Year	Phase	Cost
2025	Cons	\$1,320,000

\*The Lauro Reservoir Bypass Channel Road Improvements (2018-C-4) project schedule depends upon grant funding opportunities. This estimate includes improving the access road to the bypass channel which is ~\$340,000 of the cost.

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 determine if 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-ft 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 would conduct a condition assessment to determine which joints could be repaired without a shutdown during the regularly scheduled inspection in 2025. Following the inspection, a qualified contractor would be selected to repair the cracks in the mortared joints without a shutdown the following year. In addition, an internal pipeline inspection would be conducted. Following the inspection, internal joint seals would be installed on the most severely deteriorated joints via the manholes accessible in the structure. 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

**\$505,000**

Fiscal Year	Phase	Cost
2025	Eng	\$75,000
2026	Eng/Cons	\$130,000
2027	Cons	\$300,000

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 to the South Coast Conduit for water delivery to the Cachuma Project Member Agencies. The vertical intake tower free-stands 120ft and is located approximately mid-reservoir and contains five slide gates, each at varying levels on the pentagonal shaped tower. The slides 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 140ft shaft to the gate chamber in the Tecolote Tunnel.

## 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	Assess	\$100,000
2026	Eng	\$200,000

*\*A condition assessment of the North Portal Intake Tower is ideally completed when the lake level is low exposing for examination.*

*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 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

**\$1,200,000**

Fiscal Year	Phase	Cost
2025	Ortega/Carp/Lauro	\$75,000
2026	North Portal/Sheffield	\$200,000
2027	Glen Annie	\$325,000
2028	Lauro/Greenwell	\$300,000
2029	Other	\$300,000

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 1/2 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

**\$150,000\***

Fiscal Year	Phase	Cost
2025	Eng	\$50,000
2026	Cons	\$100,000

*\*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

Blow off 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 blow off structures in the SCC Upper Reach. Most of the blow off structures were rehabilitated from 2003 to 2007, however in many cases the blow off 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 blow off 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 blow off 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 blow offs in the upper reach, of which 17 could be recoated and anode installed without a shutdown. 15 blow off 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 blow off 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 blow off riser nozzle from the inside of the SCC, and clean, coat, and protect with a sacrificial anode prior to recharge.



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

## PRIORITY CATEGORY

### 3. Addresses Critical Deficiency

## ESTIMATED COST

**\$600,000**

Fiscal Year	Phase	Cost
2026	Rehab	\$150,000
2027	Shutdown/Rehab	\$200,000
2028	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

**\$350,000**

Fiscal Year	Phase	Cost
2025	Buy/Install	\$100,000
2026	Buy/Install	\$100,000
2027	Buy/Install	\$150,000

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" to 48". 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

**\$650,000**

Fiscal Year	Phase	Cost
2026	Sheffield	\$250,000
2027	Lauro	\$250,000
2028	Carpinteria	\$150,000

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 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 challenge 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

**\$600,000**

Fiscal Year	Phase	Cost
2028	Inspection	\$300,000
2029	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 within the Tecolote Tunnel during construction. Many of the weep holes have been subjected to mineral accumulation creating deposits which clogs 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 2024-25 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

**\$300,000**

Fiscal Year	Phase	Cost
2025	Pilot	\$100,000
2026	Cons	\$100,000
2027	Cons	\$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' 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 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 2024-2025.



**Figure A.15** Concrete Lining Deterioration within the Tecolote Tunnel

## PRIORITY CATEGORY

**4. Evaluates Significant Deficiency**

## ESTIMATED COST

**\$150,000**

Fiscal Year	Phase	Cost
2026	Eng	\$150,000

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



## Background

According to the second amendment to contract for the transfer of the operation and maintenance of the Cachuma Transferred Project Works (No. 14-06-200-5222RB) between Reclamation and COMB, COMB is transferred the operation and maintenance of the Tecolote Tunnel including all water situated within a 1,500-foot radius of the intake of the Tecolote Tunnel. Log booms constructed of timber have been placed around the Intake Tower as early as September 1957 to keep floating debris from damaging infrastructure and clogging screens. More recently, COMB has maintained shackled polymer booms encircling the Intake Tower. The existing booms were purchased in 2007 and are close to 20 years old.

## Need

The previous shackled design is flawed, as the connecting hardware fails under light wind and wave events. The Operations Division staff responds to boom failures several times a year requiring mobilization to Lake Cachuma, boat rental, and hours of staff time maneuvering booms back into place and reinstalling connection hardware. During boom failure, the exclusion zone is open to boaters and floating debris can wash towards the Intake Tower causing damage and clogging.

## Description

The new boom designs feature shackle-free connections and high load bearing internal steel to resist horizontal and vertical loads. The new designs are much more resistant to shackle failures and are expected to withstand the types of varied weather conditions observed at Lake Cachuma. New booms would be purchased to replace the existing booms at the Intake Tower with the same location and anchor points. The existing booms would be removed and stored for possible use in other parts of the system with less wind and wave potential.



Figure A.16 Log Boom Shackle Failure

## PRIORITY CATEGORY

**5. Proactive Aging Infrastructure Replacement**

## ESTIMATED COST

**\$135,000**

Fiscal Year	Phase	Cost
2025	Buy/Install	\$135,000

Environmental / Permitting Considerations: *No regulatory compliance measures are expected for this project.*

## 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

**\$400,000**

Fiscal Year	Phase	Cost
2027	Buy	\$200,000
2028	Buy/Install	\$200,000

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 electrical demand, location specific resiliency needs, and opportunities for renewable energy generation and cost savings would be conducted initially. Initial system installation would offset electrical demands at Lauro Office and North Portal. The system would be expanded in the future as more electrical vehicles would be added to COMB’s fleet. The initial system installed would be approximately 40 kw and expanded to approximately a total of approximately 100 kw in the future.



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

**\$450,000\***

Fiscal Year	Phase	Cost
2025	Plan	\$50,000
2026	Install	\$250,000**
2027	Install	\$150,000**

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

\*\*Installation costs would be offset by reduced electrical and fuel costs. The capital costs could be minimized by option of entering into a purchase power agreement.

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. 796**

**RESOLUTION OF THE GOVERNING BOARD OF THE  
CACHUMA OPERATION & MAINTENANCE BOARD ADOPTING  
THE COMB FISCAL YEAR(S) 2025-2029 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 Draft 2025-2029 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 Draft IIP, as set forth in Exhibit 2 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 Draft IIP was presented and reviewed by technical staff of COMB’s Member Agencies on January 31, 2024, with their respective comments incorporated into the draft version presented to COMB’s Operations Committee; and

**WHEREAS**, on February 15, 2024, COMB’s Operations Committee reviewed the Draft IIP and subsequently, forwarded it to the COMB Board, with a recommendation to approve and adopt the Draft IIP; and

**WHEREAS**, the Draft 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 2025-2029 Infrastructure Improvement Plan, as set forth in Exhibit 2 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 26<sup>th</sup> day of February 2024, by the following roll call vote:

**Ayes:**

**Nayes:**

**Absent/Abstain:**

**APPROVED:**

---

President of the Governing Board

**ATTEST:**

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Secretary of the Governing Board



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.”*

February 26, 2024

## General Manager Report

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

### Administration

- **USBR 2<sup>nd</sup> Period Water Rates Invoice**

Staff submitted the 2<sup>nd</sup> period water rates invoicing to the Cachuma Project Member Units for payment to Reclamation which is due early April. The Water Year (WY) 2024 rates are calculated using the Member Agencies projected deliveries for the water year in addition to projected Cachuma Project O&M reimbursable costs for the same period. The fiscal year 2015 – 2017 deficits have been recovered in totality. There are no additional deficits owed currently. For WY 2024 water rates, a small surplus was recognized on the 2022 Cachuma Project financial statement for operations. The surplus is applied to the current water year rates, thus reducing the total payments required for the two payment periods.

- **Cachuma Project Estimated Costs – Fiscal Year 2024-25 Budget Planning**

Annually during the budget planning process, COMB administrative staff provides the Member Agencies a draft preliminary Cachuma Project Estimated Costs worksheet for planning purposes. The schedule includes not only the COMB estimated net operating budget but also USBR projected water rates, the renewal fund obligation, the Bradbury and Lauro SOD act payments, the SWRCB water rights fee, and the COMB D3 permit fee. These estimates are intended to assist the Member Agencies in formulating their operating budgets for the upcoming fiscal year.

- **Surplus Water**

On February 6<sup>th</sup>, Reclamation notified the Cachuma Project Member Agencies that surplus water was available effective February 1, 2024 in accordance with the terms of the Cachuma Project Master Contract (Amendatory Contract) – Article 3(f)(2). The balance of carryover water was depleted during this same time period. Surplus water does not reduce the Cachuma Project water allocation balances.

- **American Water Works Association Webinar**

Staff attended a webinar hosted by American Water Works Association (AWWA) entitled Looking Ahead to Compliance with Round 2 of AWIA: Updating Risk and Resilience Assessments (RRAs) and Emergency Response Plans (ERPs). The webinar focused on the latest industry standards for RRAs, ERPs and Cyber Security including best practices for revising the documents and EPA requirements under the America’s Water Infrastructure Act (AWIA). Updates to the five-year plan for large water systems (population served > 100,000) are due by March 2025.

Respectfully submitted,

*Janet Gingras*  
General Manager

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# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** February 26, 2024  
**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

The Water Year 2023-2024 rainfall totals are 150% of normal to date as of 2/20/24 for the County of Santa Barbara. Two large storm systems occurred, one around February 4<sup>th</sup> and one around February 19<sup>th</sup>. In the month of February (through the 20<sup>th</sup>), Gibraltar Dam recorded – 19.33 inches and Cachuma Dam had 14.24 inches. Reclamation began precautionary spillway releases on February 1<sup>st</sup> to prepare for the storms and declared surplus water available starting February 1<sup>st</sup>. Over 85,000 acre-feet has spilled from the reservoir through 2/20/24 which has resulted in the spill of carryover water from the reservoir. The Cachuma computed inflow to date is 100,969 acre-feet. Water Year 2023-24 and 2024-25 have a combined inflow to date of 590,405 acre-feet which is the highest two-year inflow in the history of the Cachuma Project (since 1954). The previous two-year inflow record was in Water Year 1968-69 and 1969-70 with 553,066 acre-feet. Recession inflow into the reservoir will continue and likely result in the annual water year inflow exceeding the wet year classification of 117,642 AF in the next several weeks. The National Weather Service Climate Prediction Center, expects El Niño conditions to transition to neutral by April-June 2024 with increasing odds of La Niña is expected in June-August 2024.

### LAKE ELEVATION PROJECTION

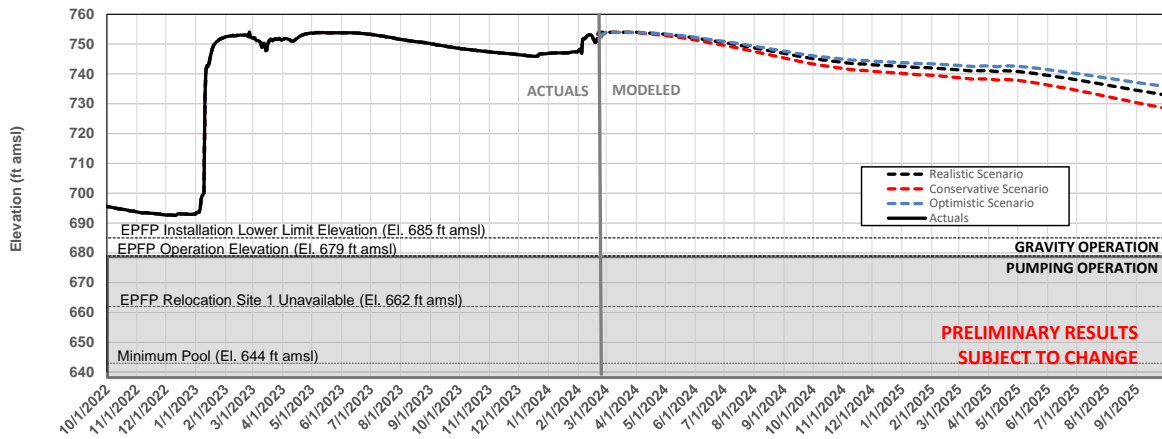
The Cachuma Reservoir elevation was 751.73' (98.2%, 189,501 acre-feet) as of February 20th, 2024. Reclamation is currently performing modified flood control operations and managing the reservoir below the maximum storage with sufficient inflow coming into the lake to bring the reservoir to full once the storm cycles are complete. Spillway releases will likely continue through the end of the month and potentially into March.

The following assumptions are utilized in the modeling of the lake elevation:

- Hydrologic conditions for WY 2024 similar to 2008 and 2025 similar to WY 2013
- No downstream release in 2024 or 2025
- Member agency imports and exports based on forecasts through 9/30/24
- Fish releases are based on Reclamation's Term 15/16 compliance tables in the optimistic and realistic scenario. The conservative scenario continues the releases with a buffer beyond Reclamation's Term 15/16 compliance tables which was increased by 20 percent from the compliance tables.

If water year 2025 was dry the lake elevation would drop between 740' and 730'. The Emergency Pumping Facility would not need to be activated. The Hilton Creek Watering System likely can remain on gravity flow through into the winter of 2025-26.

Parameter	Optimistic	Realistic	Conservative
SCC Exports	80% Forecast	Forecast	120% of Forecast
CCWA Inflow	120% Forecast	Forecast	80% of Forecast
WR 89-18 Release (2024)	0 AF	0 AF	0 AF
WR 89-18 Release (2025)	0 AF	0 AF	0 AF
Fish Releases	100% of Rec Tables	100% of Rec Tables	120% of Rec Tables



**Figure 1. Lake Cachuma Elevation Projection Assuming Dry Conditions (February 20th, 2024)**

**WINTER STORM 2023 DAMAGE REPAIRS AND REIMBURSEMENT**

COMB staff continues to weekly meet with FEMA regarding 2023 damages. All projects from DR-4683 have been submitted by FEMA program manager for further review and funding. COMB has one project related to DR-4699 (Lauro Stilling Well Debris Removal) that was pending FEMA approval. FEMA has indicated that DR-4699 project may be denied as it was identified and submitted after the deadline. All repair work has been completed. COMB plans to improve the lid on Toro Canyon blowoff structure to better withstand flood flows which has not been completed yet. COMB budgeted approximately \$73,000 in net 2023 Winter Storm repair costs for Fiscal Year 2023-2024 factoring in FEMA/CalOES reimbursements. The overall current expected difference between costs and reimbursement is \$108,000. However, the reimbursement from County-wide Debris Removal – Category A (\$44,251) was for costs that occurred in Fiscal Year 2022-23 which can be used to cover the difference in budgeted and actual costs and reimbursement for Fiscal Year 2023-24.

**Table 1. 2023 Winter Storm Damage Summary Table**

Site	Cat	Location	Work Type	Estimated Cost	% Complete	Estimated Reimbursible	Received as 2/20/24	FEMA Status
<i>Fiscal Year 2022-23</i>								
County-wide Debris Removal	A	North Portal Log Boom	Contract	\$ 6,422	100%	\$44,251	\$44,251	Funded
		Sheffield Access Road	Contract	\$ 12,750	100%			
		South Portal/Glen Anne Road	Force Account	\$ 25,079	100%			
<i>Fiscal Year 2023-24</i>								
Lauro Reservoir Stilling Well Debris Removal	A	Lauro Stilling Well	Contract	\$ 55,697	100%	\$0	\$0	FEMA potentially denying application.
Sediment Removal From Water Control Facilities	D	Lauro Main Debris Basin	Contract	\$ 275,525	100%	\$258,305	\$0	Pending EHP Review
		San Roque Debris Basin	Contract		100%			
		Carpinteria Toe Drain	Contract		100%			
County-Wide Road Repairs	C	Sycamore Canyon Rock Slope Protection Repair	Contract	\$ 17,600	100%	\$0	\$0	Removed - Maintenance
		Lauro Reservoir Bypass Channel Emergency Repair	Contract	\$ 211,270	100%	\$198,066	\$0	Pending EHP Review
Blowoff Repairs	G	Montecito Blowoff Repair	Force Account	\$ 4,290	100%	\$4,065	\$0	EHP Request for Information received and responded to
		Toro Canyon Blowoff Repair	Contract	\$ 70,000	80%	\$66,325	\$0	
Administration	Z	COMB Administrative Costs	Force Account	\$ 15,000	80%	\$14,138	\$0	Pending Initial Project Development
<b>Total</b>				<b>\$ 693,633</b>	<b>97%</b>	<b>\$ 585,149</b>	<b>\$0</b>	

**WINTER STORM 2024 DAMAGE AND REPAIRS**

Additional rains in February 2024 resulted in slides, washouts, and tree falls throughout the system. So far most repairs can be conducted with COMB staff and equipment in four to six weeks of work at ~\$50,000 to \$75,000 in COMB equipment and labor costs. Sediment was also deposited into debris basins that will need to be cleared out in the Summer/Fall of 2024. The volume of sediment is currently unknown and rough estimates at this time are approximately an additional 1,500 cubic feet of material deposited, which may cost \$100,000 to \$150,000 to remove by contracted work in Fiscal Year 2024-2025.

## INFRASTRUCTURE IMPROVEMENT PROJECTS

Table 2 provides the status of Fiscal Year 2023-24 infrastructure improvement and special projects. COMB staff has prepared a five-year update to the Infrastructure Improvement plan to assist with the Fiscal Year 2024-2025 budget planning and future project planning.

**Table 2. Fiscal Year 2023-2024 Infrastructure Improvement Projects**

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
<b>Infrastructure Improvement Projects</b>			
SCC Line Valves for Shutdown	Contractor was engaged to perform design on Lillingston Line valve. However, a suitable location was unable to be identified which avoided conflicts with other utilities.	A Cooperative Agreement between CWWD and COMB has been approved by COMB and CWWD to facilitate the work.	An additional SCC Line Valve has been postponed as it is more advantageous to combine the cooperative agreement resources for lateral rehabilitation.
SCC Structure Rehabilitation : Lower Reach Laterals	CWWD and COMB boards have approved Phase 2. A portion of Phase 2 requires a permit from Caltrans which was received on 12/31/23. Reclamation completed the additional cultural/NEPA review at the end of January and the work is cleared to proceed.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CWWD on this project.	Phase 2 is planned to be initiated in later part of March 2024. Work has been delayed by permit requirements and winter storms.
SCC Structure Rehabilitation	Several remaining blowoffs need preventative rehabilitation to prevent unplanned outages. All AVARs on the SCC have been raised above grade. Shutdowns will not be feasible this year and the work has been postponed. A portion of the budget was reallocated to the Bradbury Dam Stilling Basin Pump Project	The shutdown needed require coordination with CWWD and completion of the lateral rehabilitation prior to shutdown.	SCC Structure Rehabilitation is postponed until FY 2024-25, as shutdowns are dependent on CWWD coordination and completion of lateral rehabilitation.
<b>Special Projects</b>			
Lake Cachuma Water Quality and Sediment Management Study	COMB awarded the contract for the Phase 2 phosphorous/TOC source study in October 2022. A kickoff meeting was conducted in December and a work plan was provided in March with sediment sampling occurring in early June 2023. Sediment and water samples were analyzed by specialized laboratories. Consultant has received the lab results and is preparing the draft analysis and report for delivery in February.	COMB staff has taken additional tributary samples through winter months to supplement the study. The rise in lake level complicates sediment sampling procedures at the deepest part of the lake. In addition, with the high amounts of inflow and sedimentation - the entire volume of the lake has been exchanged with new water and the bottom is likely covered with an extensive layer of new sediment. Additional scope was added to analyze sediment from 2023 and previous years based on dating the cores. Cores could not be taken from the deepest part of the lake due to the softness of the bottom sediment.	A focused phosphorous and TOC sourcing study by COMB was initiated in 2022/2023 and planned to be completed in FY 2023/24. The Phase 2 phosphorous/TOC source study is scheduled for completion in December 2023 upon receiving the final report.
COMB Bldg/Ground Repair	COMB is investigating options for the installation of a solar energy system to offset COMB's energy usage as part of the Sustainability Plan and conducted several exploratory calls with potential vendors. COMB staff has been updating utility information on COMB's system to provide the data need to determine the most beneficial system to work with the existing facilities.	The Cachuma Project is primarily a gravity-driven system with the only energy costs associated with electricity usage related to lighting and ventilation, office equipment, vehicle usage. It may be possible to offset all of COMB's electrical usage with a modestly sized solar power system to achieve net zero in electrical usage for water delivery. COMB will also evaluate the possibility solar energy for vehicle energy use as well.	COMB plans to evaluate options for solar this summer/fall. Installation of a solar system will require Reclamation engineering and environmental review..
2023 Winter Storm Repairs	Debris removal completed in early September. Lauro Reservoir Bypass Channel Repair construction completed at end of November. In addition COMB staff completed working on several smaller cleanup projects related to blowoff structures and access roads. Remaining work planned is to replace the Toro Canyon blowoff lid with a steel lid bolted to the structure to better resist flooding impacts. COMB is working with FEMA on a weekly basis to obtain reimbursement for the completed work related to the disaster.	The winter storms of 2023 resulted in debris deposition and damage throughout the Cachuma Project system. The current forecast is for El Nino to continue. El Nino has been associated with wetter rainfall years, so it is important to repair infrastructure to prepare for the next winter.	All repairs were completed prior to the winter 2023-24 rainy season. Improvements are planned for the Toro Canyon Blowoff to prevent future damage.

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## CACHUMA OPERATION AND MAINTENANCE BOARD

**DATE:** February 26, 2024  
**TO:** Janet Gingras, General Manager  
**FROM:** Shane King, Operations Supervisor  
**RE:** **MONTHLY REPORT OF OPERATIONS – January 2024**

The total flow from Lake Cachuma into the Tecolote Tunnel for January was 913.98 acre-feet, for an average daily flow of 29.58 acre-feet. Lake elevation was 746.91 feet at the beginning of January and 747.47 feet at the end of January. Lake storage increased by 1,757.66 acre-feet. There was 41.23 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 319.28 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 412.38 acre-feet of water to Hilton Creek for the month of January.

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 consist 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)
<b>Upper</b>	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
<b>Lower</b>	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 January 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 83 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:**

- The fish screens on the Cachuma lake intake tower for slide gates 1 through 4 were pulled, cleaned, and inspected. The slide gates on the intake tower were greased and exercised. Staff also ran and greased the Tecolote tunnel air exchange fan and ran the onsite backup generator.
- COMB had issues with its hydraulic valve operator and sent it to E.H. Wachs for repair. In addition, COMB purchased an additional electric-powered operator with better torque control which is safer for staff to operate.
- Staff completed exercising the Lauro Control Station valves. Valve #1 electric motor did not function. COMB had Smith-Electric trouble shoot and fix the electrical supply issue. Approximately 50 feet of electrical conduit and wiring needed to be replaced. The electrical short in the conduit wiring damaged the controller for the motor and COMB is currently working with Smith-Electric to source parts for the repair of the motor controller. The electric valve operator can be bypassed and Valve #1 was exercised manually.
- COMB staff completed the annual valve exercising for Sheffield Control Station in coordination with the City of Santa Barbara and Montecito Water District.
- COMB staff performed storm preparations, storm observations and post storm clean-up activities for the large storms on February 4<sup>th</sup> and February 19<sup>th</sup>.
- COMB staff repaired an erosion channel that was forming along Lauro Reservoir access road prior to the storm on February 4<sup>th</sup>.
- During the February 4<sup>th</sup> storm, periods of intense rainfall resulted in the overflow of the Lauro Debris Basin. A slide onto the unimproved section of Lauro Reservoir Bypass Channel prevented the water from flowing around the reservoir and caused portions of the unimproved bypass channel to overflow into the reservoir in three places. Cater Treatment Plant saw increases in turbidity and organic carbon from the local runoff that is high in fine clays and organic matter as a result of the overflows.
- COMB staff cleared the slides and repaired the washouts prior to the storm on February 19<sup>th</sup>. On February 19<sup>th</sup>, the debris basin overflowed again as the watershed experienced ~5 inches of rain in a 12-hour period. However, the previous repairs performed well and prevented additional overflow of turbid water into Lauro Reservoir.
- COMB observed an emergency pothole of South Coast Conduit by a Caltrans contractor on Highway 192 near Barker Pass as part of an emergency pothole repair.
- COMB observed the pothole and crossing of the South Coast Conduit with a 2" gas line at 6210 Sunset Ridge by Socal Gas which was an Reclamation - approved encroachment of the South Coast Conduit easement.
- High lake levels continue to increase water intrusion into the North Portal Elevator shaft. Several safety switches need to be replaced due to water damage. Elevator is currently inoperable unless an elevator technician is onsite until switches on safety circuits can be replaced.

February 4<sup>th</sup>, 2024 Storm – Bypass Channel Damage



Lauro Reservoir Bypass Channel Road on February 4<sup>th</sup>, 2024

Bypass Channel Repairs

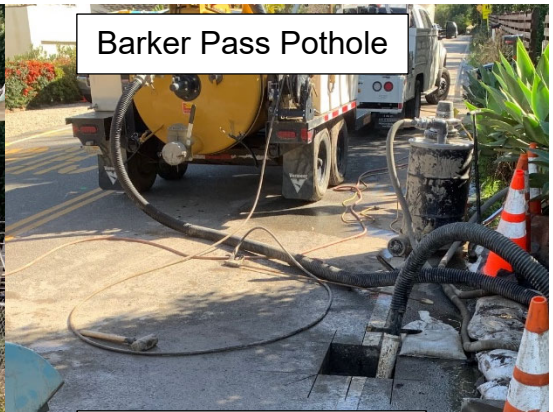


Electricity Line Replacement and Pothole Projects

Electrical Conduit Replacement at Lauro Control Station



Barker Pass Pothole



Sunset Ridge Pothole





**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**BOARD MEMORANDUM**

**DATE:** February 26, 2024  
**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) to the Upper Release Point (URP) and Lower Release Point (LRP) (approximately 6.7 cfs) plus upper basin flows (> 5 cfs since the early February storms), which has been sustaining the *O. mykiss* population in the creek.
  - Highway 154 Bridge and Alisal Bridge (minimum 5 cfs as of 10/1/23 through 2/15/24 – (wet/above normal year) minimum 48 cfs through 2/21/2024): Dam releases continue to sustain flows higher than required target flows at both compliance points.
  - Bradbury Dam started spilling on 2/1/24, USBR declared Surplus Water effective that day and the trigger for Table 2 flows was reached on 2/6/24.
- Stranding surveys during spill ramp-downs have been reinitiated and will continue as USBR adjusts dam releases in compliance with Table 2 flows.

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.

**Stranding Surveys:** As USBR adjusts dam releases from the WY2024 spill in compliance with WRO 2019-0148 Table 2 flow requirements at Alisal Bridge and Highway 154 Bridge, surveys have been conducted by COMB-FD staff to look for stranded fish during spill ramp-down as the river flows recede into the lower flow channels. Observations are immediately provided to USBR.

**Beaver Dam Surveys:** The annual Beaver Dam survey takes place in the late fall prior to stormflow events of that water year. Surveys consist of walking from Bradbury Dam to the LSYR Lagoon and the basin's tributaries where access is allowed, recording where beaver dams are located, their height and width, ponded pool size and depth above, whether they are active or not, and photographed. The survey started in December and was completed by the end of January. The results 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 COMB-FD, USBR and USGS for the LSYR at the Highway 154 Bridge and Alisal Bridge.

There were a couple of minor storms in early January (1/3/24 and 1/7/24), neither produced much runoff. A small multiple day storm started on 1/20/24 and lasted until 1/25/24 for a total of 1.24 inches recorded at Bradbury Dam. Multiple large events in early February were sufficient to fill and spill the reservoir starting in the evening on 2/1/24. Bradbury Dam is currently experiencing a second large spill event from heavy rainfall and runoff conditions that impacted the basin starting on 2/17/24.

The minimum target flow of 2 cfs to Hilton Creek was met throughout January with HCWS gravity flow to the URP and a small amount to the LRP (between 6.5 and 6.7 cfs total) and upper basin flows (0.5 cfs in January and >5 cfs since the early February storms) for a total of approximately 7 cfs on average in January and over 18 cfs on average in February 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 2 compliance flows (5 cfs as of 10/1/23) in February. Target flows at the Alisal Bridge and Highway 154 Bridge were being met as recorded by the USGS at each site with Bradbury Dam spilling since 2/1/24. The new 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 discharge up to 65 cfs (started recording flow on 6/20/23 when dam releases dropped below the cutoff). 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:**

Upon securing all the required permits and access agreements, the Quiota Creek Fish Passage Enhancement Project at Crossing 5 and Crossing 9 started on 10/16/23 and successfully ended on 11/9/23. Staff continues to work on a grant proposal for repairs and enhancements at seven other project locations that are tentatively scheduled in the fall of 2024, pending funding and permits. Repairs/enhancements at Quiota Creek Crossing 5 and Crossing 9 held up well during the early February storms. Another assessment of the Quiota Creek crossings is ongoing with another high flow event currently impacting the drainage.

## **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 barge and all the electrical systems on that barge were submerged and now need to be replaced. The anchoring cables had to be cut by Reclamation to right that barge that is now holding position by the attached submerged delivery pipeline (both in and out). Lake water is currently flowing by gravity from the Intake Barge to Hilton Creek and will continue to do so for the unforeseen future given that the lake is full.
- The HCEBS floating pipeline across the Stilling Basin was disconnected on the north side by USBR on 2/7/23 just prior to exercising all four of the spillway gates on 2/8/23. During the 2/25/23 spill event, that floating pipeline moved to the south bank and is now out of harm's way from the current spill event. It has not been determined if the pipeline got damaged upon moving to its current location.
- No further actions or repairs have been scheduled.

## **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 all the Bradbury Dam radial gate lifting motors to return them to full operational condition. Testing of the new motors will happen at a future date.
- On 11/10/23, Reclamation successfully completed reinstalling the refurbished 30-inch Outlet Works valve and testing of the lifting motors of the Bradbury Dam radial gates. All equipment was completely removed by 11/14/23. There was no impact to the downstream fishery during the operation.

## **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 (6/30/23 for the WY2023 spill). With the magnitude of the WY2023 spill, all Surcharge Water Accounts were once again full and are reflected in Table 1

using the 2021 bathymetric survey values. For the moment, USBR officially declared the end of the WY2023 spill on 6/30/23 and has been debiting all dam releases to the fish accounts starting on 7/1/23 onward which is reflected in Table 1. The start of the WY2024 spill on 2/1/24 and the recharging of all fish accounts will be reflected in next month's Fisheries Division Board memo.

**Table 1:** Summary of the surcharge water accounting and use of Project Yield as of 1/31/24, using the 2021 bathymetric survey data.

<b>Accounts*</b>	<b>Allocation</b>	<b>Amount Used**</b>	<b>Amount Remaining</b>
<b>Units:</b>	<b>(acre-feet)</b>	<b>(acre-feet)</b>	<b>(acre-feet)</b>
<b>Fish Passage Supplementation</b>			
<b>WY2023</b>	3,200	0	3,200
<b>Adaptive Management</b>	500	0	500
<b>Fish Rearing***</b>	5,527	5,527	0
<b>Unallocated Project Water</b>		5,668	-
<b>Total:</b>	9,227	11,195	3,700
* Originally was 9,200 af, 8,942 af in 2008, 9,184 af in 2013, and <b>9,227 af</b> in 2021.			
** Values as of 1/31/24.			
*** 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 continues to work on the WY2023 Annual Monitoring Summary and Annual Monitoring Report, with a draft expected soon.

**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) – Engineering assistance has been provided regarding the Quiota Creek and El Jaro Creek Fish Passage 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:	February 26, 2024
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 January 2023 to the present (2/1/23 – 2/26/24, Table 1). Labor and expenses as well as water usage for the entire fiscal year (July 2023 - June 2024) 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 2022 Annual Report with the annual inventory and Fiscal Year 2022-23 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 9/14/23 and provided to the COMB Board on 9/25/23 that recommended going forward with only maintaining the currently planted oak trees. The COMB Board agreed with that directive.

**Table 1:** Cachuma Oak Tree Program completed maintenance tasks since February 2023.

	Feb 2023 <sup>1</sup>	March 2023 <sup>1</sup>	April 2023 <sup>1</sup>	May 2023 <sup>1</sup>	June 2023 <sup>1</sup>	July 2023	Aug 2023	Sept 2023	Oct 2023	Nov 2023	Dec 2023 <sup>1</sup>	Jan 2024 <sup>1</sup>	Feb 2024 <sup>1</sup>
<b>Year 13 Oaks (2021-2022)</b>	Assess Clean-up		Replanting Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated	Irrigated Mulched Weeded Tree tags GPS/GIS	Irrigation Weeded	Irrigation	Irrigated Weeded	Irrigated Weeded Repair	Irrigated Weeded	Irrigated Weeded	Irrigated Watered		
<b>Year 12 Oaks (2020-2021)</b>						Irrigation	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded		Irrigated Watered		
<b>Year 11 Oaks (2019-2020)</b>						Irrigation	Irrigated Weeded		Irrigated Weeded	Irrigated Weeded			
<b>Year 10 Oaks (2018-2019)</b>													
<b>Year 9 Oaks (2016-2017)</b>													
<b>Year 8 Oaks (2015-2016)</b>		Infrastructure Repair											
<b>Year 7 Oaks (2014-2015)</b>													
<b>Year 6 Oaks (2005-2011)</b>													
<b>Year 5 Oaks (2009-2010)</b>													
<b>Year 1-4 Oaks (2005-2009)</b>													
<b>Year 1-3 Oaks (2005-2008)</b>													
<b>Year 2 Oaks (2006-2007)</b>													
<b>Year 1 Oaks (2005-2006)</b>													

<sup>1</sup> Oak tree inventory.

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

**SPECIFIC TASKS**

**Tree Irrigating/Weeding**

Sufficient precipitation occurred in January with Lake Cachuma receiving 1.87 inches of rain that irrigation of the oak trees has ceased for the remainder of the wet season.

**Tree Planting**

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

**Annual Inventory**

The 2023 Annual Inventory of all year classes has begun and will be reported in the 2023 Annual Report.

**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 9/14/23 and reviewed the 2022 Lake Cachuma Oak Tree Restoration Program Annual Report with the recommendation to forward to the Board.

**LIST OF EXHIBITS:**

n/a



**WATER YEAR 23-24 CACHUMA PROJECT ALLOCATION**  
**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER PRODUCTION AND WATER USE REPORT**  
**FOR THE MONTH OF JANUARY 2024 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

<b>CACHUMA PROJECT</b>		
<b>WATER PRODUCTION:</b>	<b>MONTH</b>	<b>WYTD</b>
Cachuma Lake (Tec. Diversion)	954.8	5,187.9
Tecolote Tunnel Infiltration	105.4	350.8
Cachuma Lake (County Park)	1.0	4.5
<b>Subtotal - Water Production</b>	<b>1,061.2</b>	<b>5,543.2</b>
<b>WATER DELIVERIES:</b>		
State Water Diversion	5.3	198.2
Cachuma Diversion	995.4	5,278.1
Storage gain/(loss) <sup>(2)</sup>	57.9	25.1
<b>Subtotal - Water Deliveries</b>	<b>1,058.6</b>	<b>5,501.4</b>
<b>Total Water Production</b>	<b>1,061.2</b>	<b>5,543.2</b>
<b>Total Water Deliveries</b>	<b>1,058.6</b>	<b>5,501.4</b>
<b>Difference = Apparent Water Loss</b>	<b>2.6</b>	<b>41.8</b>
<b>% Apparent Water Loss</b>	<b>0.25%</b>	<b>0.75%</b>

**SCC APPARENT WATER LOSS ALLOCATION (AWL) <sup>(3)</sup>**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>TOTAL</b>
<b>CURRENT MONTH CHARGE / (ADJUSTMENT)</b>					
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	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
<b>Total Current Month</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</b>					
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	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
<b>Total AWL Charged (WYTD)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total AWL Not Charged (WYTD)</b>					<b>41.8</b>
<b>Total AWL Incurred (WYTD)</b>					<b>41.8</b>

**CACHUMA PROJECT WATER CHARGE**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>SYRID #1</b>	<b>TOTAL</b>
<b>CURRENT MONTH</b>						
Water Usage						
M&I	586.8	201.0	33.0	93.6	1.0	915.4
Agricultural	27.6	0.0	0.7	51.6	N/A	80.0
<b>Subtotal Project Water Use</b>	<b>614.4</b>	<b>201.0</b>	<b>33.7</b>	<b>145.2</b>	<b>1.0</b>	<b>995.4</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	7.6	14.7	3.8	2.5	4.4	33.0
<b>Total Project Water Charge</b>	<b>622.0</b>	<b>215.7</b>	<b>37.6</b>	<b>147.7</b>	<b>5.5</b>	<b>1,028.4</b>
<b>WATER YEAR-TO-DATE</b>						
Water Usage						
M&I	2,534.2	921.3	220.2	476.7	4.5	4,156.9
Agricultural	594.2	0.0	23.2	503.8	N/A	1,121.2
<b>Subtotal Project Water Use</b>	<b>3,128.4</b>	<b>921.3</b>	<b>243.4</b>	<b>980.5</b>	<b>4.5</b>	<b>5,278.1</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	75.6	112.5	28.5	24.4	31.6	272.7
<b>Total Project Water Charge (*)</b>	<b>3,204.0</b>	<b>1,033.7</b>	<b>271.9</b>	<b>1,005.0</b>	<b>36.1</b>	<b>5,550.8</b>

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



**WATER YEAR 23-24 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF JANUARY 2024 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

**CACHUMA PROJECT WATER BALANCE**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>SYRID #1</b>	<b>TOTAL</b>
<b>Project Water Carryover - 10/1/2023</b>	6,514.3	7,932.7	2,076.1	2,110.2	2,155.3	20,788.6
<b>(-) Project Water Charge (WYTD)</b>	3,204.0	1,033.7	271.9	1,005.0	36.1	5,550.8
Carryover Available Before Adjustments	3,310.3	6,899.0	1,804.2	1,105.2	2,119.2	15,237.8
<b>Adjustments to Carryover (WYTD)</b>						
State Water Exchange	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
<b>Balance Project Water Carryover</b>	<b>3,310.3</b>	<b>6,899.0</b>	<b>1,804.2</b>	<b>1,105.2</b>	<b>2,119.2</b>	<b>15,237.8</b>
<b>Current Year Allocation <sup>(5)</sup></b>	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
<b>(-) Balance of Project Water Charge (WYTD)</b>	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
<b>Adjustments to Allocation (WYTD)</b>						
State Water Exchange <sup>(6)</sup>	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 - SB/La Cumbre	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
<b>Balance Current Year Allocation</b>	<b>9,322.0</b>	<b>8,277.0</b>	<b>2,651.0</b>	<b>2,813.0</b>	<b>2,651.0</b>	<b>25,714.0</b>
<b>Total Cachuma Project Water Available</b>	<b>12,632.3</b>	<b>15,176.0</b>	<b>4,455.2</b>	<b>3,918.2</b>	<b>4,770.2</b>	<b>40,951.8</b>

**ACCUMULATED DROUGHT WATER CREDIT (ADWC) BALANCE**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>SYRID #1</b>	<b>TOTAL</b>
<b>ADWC Balance - 10/1/2023 <sup>(12)</sup></b>	0.0	0.0	0.0	0.0	0.0	0.0
<b>(-) ADWC Water Charge (WYTD)</b>	0.0	0.0	0.0	0.0	0.0	0.0
<b>Adjustments to ADWC (WYTD)</b>						
ADWC Spilled <sup>(7)</sup>	0.0	0.0	0.0	0.0	0.0	0.0
<b>Balance ADWC</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Cachuma Project + ADWC Available</b>	<b>12,632.3</b>	<b>15,176.0</b>	<b>4,455.2</b>	<b>3,918.2</b>	<b>4,770.2</b>	<b>40,951.8</b>

**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 USBR, 100% allocation to Member Units, effective 10/1/23
- (6) 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 January 2024
- (7) Memo only - State Water Deliveries to Lake Cachuma for January 2024 was 25 AF
- (8) Memo only - MWD has received 821.66 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: **JANUARY 2024**

**GLEN ANNIE RESERVOIR** <sup>(1)</sup>

Capacity at 385' elevation:	335	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	<b>343.0</b>	Feet
Water in Storage	63.40	AF

**LAURO RESERVOIR**

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	<b>545.2</b>	Feet
Water in Storage	430.80	AF

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	<b>448.0</b>	Feet
Water in Storage	22.71	AF

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	<b>375.2</b>	Feet
Water in Storage	23.93	AF

**TOTAL STORAGE IN RESERVOIRS** <sup>(1)</sup>

Change in Storage	477.44	AF
	53.84	AF

**CACHUMA RESERVOIR** <sup>(2)</sup>

Capacity at 750' elevation: <sup>(3)</sup>	183,751	AF
Capacity at sill of tunnel 660' elevation:	23,642	AF
Stage of Reservoir Elevation	<b>747.47</b>	Feet
Water in Storage	<b>176,214</b>	AF
Surface Area	<b>2,936</b>	Acres
Evaporation	<b>316.8</b>	AF
Inflow	<b>3,109.2</b>	AF
Downstream Release WR8918	<b>0.0</b>	AF
Fish Release (Hilton Creek)	<b>412.4</b>	AF
Outlet	<b>204.0</b>	AF
Spill/Seismic Release	<b>0</b>	AF
State Water Project Water	<b>41.2</b>	AF
Change in Storage	<b>1,758</b>	AF
Tecolote Diversion	<b>914.0</b>	AF

<b>Rainfall:</b>	<b>Month: 1.87</b>	<b>Year: 7.96</b>	Inches
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(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: 10/1/23 to: 9/30/24

Contract Entity: **Goleta Water District**  
 Update by COMB 1/31/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	6,514.3	9,322.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	6,514.3	9,322.0

TOTAL WATER USED			CARRYOVER WATER				CURRENT YEAR ALLOCATION			
Acre-feet			WATER USE CHARGED				WATER USE CHARGED			
M & I	Agr	Total	Evap	Used	Total	Allocation M & I	Allocation Agr	Allocation M & I	Allocation Agr	Total
756.2	244.7	1,000.9	36.9	1,000.9	1,037.9	778.1	259.8	-	-	-
642.3	185.0	827.3	21.3	827.3	848.6	654.3	194.3	-	-	-
549.0	136.8	685.8	9.8	685.8	695.6	554.1	141.5	-	-	-
586.8	27.6	614.4	7.6	614.4	622.0	590.4	31.6	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
2,534.2	594.2	3,128.4	75.6	3,128.4	3,204.0	2,576.9	627.2	-	-	-

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	
Begin Bal	6,514.3	3,860.8	2,653.5	6,644.0	2,678.0	9,322.0
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	5,476.4	3,082.7	2,393.7	6,644.0	2,678.0	9,322.0
Nov	4,627.8	2,428.4	2,199.4	6,644.0	2,678.0	9,322.0
Dec	3,932.2	1,874.3	2,057.9	6,644.0	2,678.0	9,322.0
Jan	3,310.3	1,283.9	2,026.3	6,644.0	2,678.0	9,322.0
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **12,632.3**

Footnotes

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

Contract Year: 10/1/23 to: 9/30/24

Contract Entity: **City of Santa Barbara**  
 Update by COMB 1/31/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	7,932.7	8,277.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
<b>Total</b>	<b>7,932.7</b>	<b>8,277.0</b>

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED					
Acre-feet			Evap			Used			Allocation		Allocation	
M & I	Agr	Total			Total	M & I	-----	M & I	-----	Total		
45.5	-	45.5	48.6	45.5	94.0	94.0	-	-	-	-	-	
273.6	-	273.6	32.4	273.6	306.1	306.1	-	-	-	-	-	
401.1	-	401.1	16.8	401.1	417.9	417.9	-	-	-	-	-	
201.0	-	201.0	14.7	201.0	215.7	215.7	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
921.3	-	921.3	112.5	921.3	1,033.7	1,033.7	-	-	-	-	-	

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	-	-	-	-

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
Month	Total	Allocation		Allocation	
		M & I	-----	M & I	-----
Begin Bal	7,932.7	7,932.7	-	8,277.0	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
Month	Total	Allocation		Allocation	
		M & I	-----	M & I	-----
Oct	7,838.7	7,838.7	-	8,277.0	-
Nov	7,532.6	7,532.6	-	8,277.0	-
Dec	7,114.7	7,114.7	-	8,277.0	-
Jan	6,899.0	6,899.0	-	8,277.0	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION)** 15,176.0

Footnotes

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

Contract Year: 10/1/23 to: 9/30/24

Contract Entity: **Montecito Water District**  
 Update by COMB 1/31/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,076.1	2,651.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,076.1	2,651.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED				
Acre-feet			Allocation			Allocation			Total		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total	
97.7	15.9	113.7	12.4	113.7	126.1	107.8	18.2	-	-	-	
66.9	4.7	71.6	8.1	71.6	79.7	73.4	6.3	-	-	-	
22.5	1.8	24.3	4.3	24.3	28.6	26.0	2.6	-	-	-	
33.0	0.7	33.7	3.8	33.7	37.6	36.1	1.5	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
220.2	23.2	243.4	28.5	243.4	271.9	243.3	28.6	-	-	-	

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	-	-	-	-

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,076.1	1,690.3	385.8	2,244.0	407.0	2,651.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	1,950.0	1,582.5	367.6	2,244.0	407.0	2,651.0
Nov	1,870.3	1,509.0	361.3	2,244.0	407.0	2,651.0
Dec	1,841.8	1,483.1	358.7	2,244.0	407.0	2,651.0
Jan	1,804.2	1,447.0	357.2	2,244.0	407.0	2,651.0
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **4,455.2**

Footnotes

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

Contract Year: 10/1/23 to: 9/30/24

Contract Entity: **Carpinteria Valley Water District**  
 Update by COMB 1/31/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,110.2	2,813.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,110.2	2,813.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED				
Acre-feet			Allocation			Allocation			Total		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total	
140.9	181.6	322.5	12.0	322.5	334.4	147.1	187.3	-	-	-	
130.2	158.7	288.9	6.9	288.9	295.8	133.9	161.8	-	-	-	
112.0	111.9	224.0	3.1	224.0	227.1	113.8	113.3	-	-	-	
93.6	51.6	145.2	2.5	145.2	147.7	95.0	52.7	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
476.7	503.8	980.5	24.4	980.5	1,005.0	489.8	515.2	-	-	-	

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	
Begin Bal	2,110.2	1,103.4	1,006.8	1,406.5	1,406.5	2,813.0
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	1,775.8	956.3	819.5	1,406.5	1,406.5	2,813.0
Nov	1,480.0	822.4	657.7	1,406.5	1,406.5	2,813.0
Dec	1,252.9	708.6	544.3	1,406.5	1,406.5	2,813.0
Jan	1,105.2	613.6	491.6	1,406.5	1,406.5	2,813.0
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **3,918.2**

Footnotes

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

Contract Year: 10/1/23 to: 9/30/24

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**  
 Update by COMB 1/31/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,155.3	2,651.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,155.3	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
1.3	-	1.3	13.2	1.3	14.5	8.1	6.4	-	-	-
1.3	-	1.3	9.0	1.3	10.3	5.9	4.4	-	-	-
0.9	-	0.9	4.9	0.9	5.8	3.4	2.4	-	-	-
1.0	-	1.0	4.4	1.0	5.5	3.3	2.2	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4.5	-	4.5	31.6	4.5	36.1	20.7	15.4	-	-	-

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	2,155.3	1,105.6	1,049.7	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	1.3	2,140.8	1,097.5	1,043.3	935.0	1,716.0	2,651.0
Nov	1.3	2,130.4	1,091.6	1,038.9	935.0	1,716.0	2,651.0
Dec	0.9	2,124.7	1,088.2	1,036.5	935.0	1,716.0	2,651.0
Jan	1.0	2,119.2	1,084.9	1,034.3	935.0	1,716.0	2,651.0
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **4,770.2**

Footnotes



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

Contract Year: 10/1/23 to: 9/30/24

Contract Entity: **Santa Barbara Co. Water Agency**  
 Update by COMB 1/31/2024

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED			WATER USE CHARGED				
			Acre-feet				Evap	Div	Total	Allocation		Allocation		Total
			Use %	M & I	Agr	Total				M & I	Agr	M & I	Agr	
Oct	20,788.6	25,714.0	0.0	1,041.6	442.3	1,483.9	123.0	1,483.9	1,606.9	1,135.2	471.7	-	-	-
Nov	-	-	0.0	1,114.4	348.4	1,462.8	77.7	1,462.8	1,540.5	1,173.7	366.8	-	-	-
Dec	-	-	0.0	1,085.5	250.5	1,336.0	38.9	1,336.0	1,375.0	1,115.1	259.8	-	-	-
Jan	-	-	0.0	915.4	80.0	995.4	33.0	995.4	1,028.4	940.4	87.9	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	20,788.6	25,714.0	0.1	4,156.9	1,121.2	5,278.1	272.7	5,278.1	5,550.8	4,364.4	1,186.3	-	-	-

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	
Begin Bal	20,788.6	15,692.8	5,095.8	19,506.5	6,207.5	25,714.0	
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	1.3	19,181.7	14,557.6	4,624.1	19,506.5	6,207.5	25,714.0
Nov	1.3	17,641.2	13,384.0	4,257.2	19,506.5	6,207.5	25,714.0
Dec	0.9	16,266.2	12,268.8	3,997.4	19,506.5	6,207.5	25,714.0
Jan	1.0	15,237.8	11,328.4	3,909.5	19,506.5	6,207.5	25,714.0
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **40,951.8**

Footnotes



February 2024

Day <sup>1</sup>	Lake Cachuma				Rainfall		Evaporation <sup>3</sup>		CCWA Inflow	Release					Computed Inflow <sup>5</sup>	
	Elevation	Storage <sup>2</sup>	Change in Storage	Surface Area						Park Use	Tunnel	Hilton Creek	WR 89-18	Outlet <sup>4</sup>		Spillway
SHEF Tag→	HL	LS	LC		PP	PPAF	EV	EVAF	QICCWA		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
31	747.47	176,214														
1	747.92	177,536	1,321.5	2,951.1	2.42	596.1	0.170	32.19	-	-	25.65	13.36	-	3.00	-	799.61
2	747.97	177,683	146.8	2,952.8	0.53	130.4	0.080	15.16	-	-	18.21	13.53	-	2.00	2,665.00	2,730.32
3	748.31	178,692	1,009.4	2,965.0	-	-	0.060	11.42	-	-	13.85	13.49	-	274.00	1,602.00	2,924.14
4	746.87	174,457	(4,235.4)	2,915.3	0.36	87.5	0.020	3.74	-	-	15.82	13.36	-	275.00	7,921.00	3,906.04
5	751.67	188,855	14,398.3	3,081.2	4.95	1,271.0	-	-	-	-	13.28	13.47	-	225.00	7,429.00	20,808.01
6	751.88	189,501	645.9	3,087.8	2.48	638.2	-	-	-	-	16.63	13.84	-	191.00	10,481.00	10,710.24
7	751.80	189,255	(246.1)	3,085.3	0.05	12.9	0.120	23.76	-	-	20.32	13.84	-	199.00	6,085.00	6,083.00
8	752.08	190,119	863.8	3,094.3	0.48	123.8	0.060	11.91	-	-	21.91	13.85	-	198.00	2,873.00	3,858.73
9	752.50	191,424	1,305.5	3,108.4	-	-	0.050	9.97	-	-	21.95	13.89	-	153.00	1,463.00	2,967.34
10	752.82	192,419	994.7	3,119.1	-	-	0.090	18.01	-	-	22.62	13.91	-	78.00	1,284.00	2,411.23
11	753.04	193,104	685.2	3,126.5	-	-	0.080	16.05	-	-	22.24	13.98	-	80.00	1,289.00	2,106.44
12	753.16	193,481	377.0	3,130.4	-	-	0.080	16.07	-	-	22.81	13.98	-	79.00	1,292.00	1,800.85
13	753.12	193,355	(125.7)	3,129.1	-	-	0.070	14.05	-	-	27.53	13.99	-	375.00	1,293.00	1,597.92
14	753.04	193,104	(251.3)	3,126.5	-	-	0.070	14.04	-	-	31.81	13.98	-	396.00	1,292.00	1,496.51
15	752.52	191,486	(1,617.7)	3,109.1	-	-	0.040	7.98	-	-	32.18	13.96	-	400.00	2,441.00	1,277.44
16	751.84	189,378	(2,108.5)	3,086.6	-	-	0.120	23.77	-	-	31.83	13.87	-	397.00	2,889.00	1,246.98
17	751.17	187,317	(2,060.8)	3,065.4	-	-	0.090	17.70	-	-	31.92	13.82	-	397.00	2,857.00	1,256.65
18	750.52	185,333	(1,983.7)	3,043.9	0.25	63.4	0.050	9.77	-	-	31.83	13.74	-	397.00	2,826.00	1,231.26
19	750.85	186,338	1,004.3	3,055.0	3.74	952.1	-	-	-	-	32.16	13.69	-	401.00	4,715.00	5,213.99
20	751.88	189,501	3,163.2	3,087.8	0.39	100.4	(0.010)	(1.98)	-	-	21.96	13.85	-	395.00	17,694.00	21,185.68
21	751.22	187,471	(2,030.0)	3,067.0	0.34	86.9	0.080	15.74	-	-	21.23	13.82	-	386.00	11,539.00	9,858.86
<b>Total</b>			<b>11,256.48</b>		<b>15.99</b>	<b>4,062.58</b>	<b>1.320</b>	<b>259.36</b>	-	-	<b>497.75</b>	<b>289.22</b>	-	<b>5,301.00</b>	<b>91,930.00</b>	<b>105,471.23</b>
<b>Minimum</b>	746.87	174,457	(4,235.42)	2,915.30	-	-	(0.010)	(1.98)	-	-	13.28	13.36	-	2.00	-	799.61
<b>Average</b>	751.25	187,610	536.02	3,066.07	0.76	193.46	0.063	12.35	-	-	23.70	13.77	-	252.43	4,377.62	5,022.44
<b>Maximum</b>	753.16	193,481	14,398.26	3,130.40	4.95	1,270.99	0.170	32.19	-	-	32.18	13.99	-	401.00	17,694.00	21,185.68

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 February pan factor: 77%
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: January 2024**



<b>Cachuma Lake Recreation Area Launch Data – January 2024</b>		
<b>Inspection Data</b>		
Total Vessels Entering Park	418	
Total Vessels Launched	393	
Total Vessels Quarantined	25	
Returning (Tagged) Boats Launched	356	91%
Kayak/Canoe: Inspected, launched	37	9%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
<b>Quarantine Data</b>		
Total Vessels Quarantined	25	
Quarantined 14 days	*	
Quarantined 30 days	25	
<b>Quarantine Cause</b>		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	7	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	25	
<b>Demographic Data</b>		
Quarantined from infected county	7	
Quarantined from SB County	16	
Quarantined from uninfected co	2	

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: 2024.01.30

Artificial Substrate & Surface Survey Date: 2024.01.30, 2024.01.30

Method: 4 Artificial Substrate Stations; 13 meters/42.65 linear feet of line as well as ramp, dock, anchor, etc.

Surveyors: COSB, Parks Division – P. Medel

Lake elevation: Max feet: 753.00, current 747.45; Max acre-feet: 192,978, current: 176,185;

Capacity: 90% At of the end of the survey month.