



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

**Monday, January 24, 2022
1:00 P.M.**

BY TELECONFERENCE

NOTICE: Pursuant to California Government Code sections 54953(b)(1), (b)(2), (e)(1) and (e)(3) (AB 361), members of the Cachuma Operation & Maintenance Board (COMB) Board of Directors, staff, and members of the public will participate in this meeting electronically by video and/or teleconference, as described below.

HOW TO OBSERVE THE MEETING

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

Join via video conference:

<https://us02web.zoom.us/j/83839178854?pwd=YkJoU1FyS2FLWTNROGlxaHVxZmRldz09>
Passcode: 901258

Join via teleconference:

US: +1 669 900 6833 Webinar ID: 838 3917 8854 Passcode: 901258

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.

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

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

AMERICANS WITH DISABILITIES ACT

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

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

Monday, January 24, 2022

1:00 PM

AGENDA

NOTICE: This Meeting shall be conducted through remote access as authorized and in accordance with Government Code section 54953 and the California Governor's Executive Orders N-08-21, N-15-21 and as amended by AB 361.

- 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 December 13, 2021 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
- 4. VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Operations Committee Meeting – January 7, 2022
- 5. RESOLUTION NO. 743 – CONFIRMATION OF LOCAL EMERGENCY - ACKNOWLEDGEMENT OF GOVERNOR NEWSOM'S DECLARED STATE OF EMERGENCY (HEALTH AND SAFETY)**
Action: Recommend adoption by motion and roll call vote of the Board
- 6. FINANCIAL REVIEW – 2ND QUARTER FISCAL YEAR 2021-22**
Action: Receive and file the 2nd Quarter Fiscal Year 2021-22 Financial Review
- 7. STATE OF CALIFORNIA – DIVISION OF DRINKING WATER (DDW) D3 PERMIT**
Action: Approve expenditures associated with the State of California Division of Drinking Water Permit and receive and file the permit, once issued by the State.

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8. **LAKE CACHUMA EMERGENCY PUMPING FACILITY PROJECT - COST ANALYSIS**
Action: Receive cost analysis information on the Lake Cachuma Emergency Pumping Facility Project
9. **GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Administration
10. **ENGINEER'S REPORT**
Receive verbal information from the COMB Engineer, including but not limited to the following:
 - Climate Conditions
 - Lake Elevation Projections
 - 2021 Bathymetric Survey Results
 - Infrastructure Improvement Projects
11. **OPERATIONS DIVISION REPORT**
Receive verbal information regarding the Operations Division, including but not limited to the following:
 - Lake Cachuma Operations
 - Operation and Maintenance Activities
12. **FISHERIES DIVISION REPORT**
Receive information from the Fisheries Division Manager, including, but not limited to the following:
 - LSYR Steelhead Monitoring Elements
 - Tributary Project Updates
 - Surcharge Water Accounting
 - Reporting/Outreach/Training
13. **PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**
Receive information regarding the Lake Cachuma Oak Tree Program including but not limited to the following:
 - Maintenance and Monitoring
14. **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
15. **DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**

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16. [CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: POTENTIAL LITIGATION

- a. [Government Code Section 54956.9(d)(1)]
Name of matter: *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647
– Request for Declaratory and Injunctive Relief
- b. Potential Litigation: Conference with Legal Counsel

17. RECONVENE INTO OPEN SESSION

[Government Code Section 54957.7]
Disclosure of actions taken in closed session, as applicable
[Government Code Section 54957.1]

- 19a. Name of matter: *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647
– Request for Declaratory and Injunctive Relief
- 19b. Potential Litigation: Conference with Legal Counsel

18. MEETING SCHEDULE

- **Regular Board Meeting – February 28, 2022 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

19. 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.

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

**Monday, December 13, 2021
1:00 PM**

MINUTES

1. CALL TO ORDER, ROLL CALL

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

All attendees participated electronically pursuant to California Government Code sections 54953(b)(1), (b)(2), (e)(1) and (e)(3) (AB 361).

Directors Present:

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

General Counsel Present:

William Carter, Musick, Peeler, Garrett, LLP

Staff Present:

Janet Gingras, General Manager	Tim Robinson, Fisheries Division Manager
Edward Lyons, Administrative Manager/CFO	Dorothy Turner, Administrative Assistant
Joel Degner, Engineer/Operations Division Manager	Perri Wolfe, Administrative Analyst

Others Present:

Dakota Corey, City of Santa Barbara	Nick Turner, Montecito Water District
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2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

- a. Minutes of October 25, 2021 Regular Board Meeting
- b. Minutes of November 8, 2021 Special Board Meeting
- c. Minutes of November 15, 2021 Regular Board Meeting
- d. Investment of Funds
 - Financial Reports
 - Investment Reports
- e. Review of Paid Claims

Ms. Gingras presented the Consent Agenda items and asked Mr. Lyons to comment upon the financial statements. Mr. Lyons recapped revenues and expenditures for the months of October and November,

2021. He highlighted various Paid Claims of note, including payments to Reclamation, Environmental Systems Research Institute, Atlas Performance Industries and Manzanita Nursery.

Ms. Gingras asked for a motion to approve items 3.a through 3.c only. Director Hanson provided a motion, followed by a second from Director Sneddon. The motion carried with a vote of five in favor with one abstention.

Ayes: Sneddon, Hanson, Holcombe

Nays:

Absent:

Abstain: Plough

Director Hanson motioned to approve the remaining Consent Agenda items. Director Plough seconded the motion which carried with a vote of six in favor.

Ayes: Sneddon, Plough, Hanson, Holcombe

Nays:

Absent:

Abstain:

**4. RESOLUTION NO. 741 – CONFIRMATION OF LOCAL EMERGENCY -
ACKNOWLEDGEMENT OF GOVERNOR NEWSOM’S DECLARED STATE OF
EMERGENCY (HEALTH AND SAFETY)**

Ms. Gingras proposed that the Board approve the required resolution to continue meetings remotely according to the declared state of emergency. Director Plough provided the motion to approve the resolution. Director Sneddon seconded and the motion carried with a vote of six in favor.

Ayes: Sneddon, Plough, Hanson, Holcombe

Nays:

Absent:

Abstain:

5. VERBAL REPORTS FROM BOARD COMMITTEES

- *Administrative Committee Meeting – December 6, 2021* – Director Holcombe reviewed the committee items briefly and noted that all items were included in this agenda.

**6. GOVERNMENT FINANCE OFFICERS ASSOCIATION (GFOA) DISTINGUISHED BUDGET
PRESENTATION AWARD – FISCAL YEAR 2021-22**

Ms. Gingras commended Mr. Lyons and staff for the Distinguished Budget Award. Further she advised the Board that this was the second consecutive year that COMB received this prestigious recognition.

**7. TOTAL COMPENSATION SYSTEMS, INC. PRESENTATION OF OTHER POST-
EMPLOYMENT BENEFITS (OPEB) ACTUARIAL REPORT AS OF JUNE 30, 2021**

Mr. Lyons introduced Mr. Will Kane of Total Compensation Systems, Inc. and invited him to present his OPEB actuarial report to the Board. Mr. Kane noted that this report is a roll-forward estimate for the year ended June 30, 2021. A full valuation will be performed next year. Mr. Kane shared a

Powerpoint presentation summarizing the elements of the report and methods of valuation. He fielded a number of questions from Board.

8. BARTLETT, PRINGLE WOLF, LLP PRESENTATION OF ANNUAL COMPREHENSIVE FINANCIAL REPORT (ACFR) – FISCAL YEAR ENDING JUNE 30, 2021

Mr. Lyons introduced Mr. John Britton, of Bartlett, Pringle, Wolf, LLP (BPW), and invited him to present the results of the ACFR audit for Fiscal Year 2020-21. BPW issued an unmodified (“clean”) opinion, concluding there were no management concerns or reportable conditions affiliated with the audit. Mr. Britton reviewed the basic financial statements and provided detail for the variances over the prior audit. Further he reviewed the cash flow report and several footnotes of interest. Finally, Mr. Britton reviewed the Letter of Required Communications with the Board.

9. CALIFORNIA STATE CONTROLLER REPORT FOR FISCAL YEAR ENDING JUNE 30, 2021

Mr. Britton proceeded with a brief review of the Controller Report, stating that it had been populated with numbers taken directly from the audit and will be filed with the State by January 31, 2022. He fielded questions from the Board.

10. UNEXPENDED FUNDS – FISCAL YEAR ENDING JUNE 30, 2021

Mr. Lyons presented the calculation of unexpended funds for fiscal year 2020-21 and explained that they were tied to the financials on a cash basis. He stated that the major portion of the funds were generated by the postponement of planned for and budgeted projects in the 2020-21 fiscal year. Mr. Lyons reminded the Board that a portion of the unexpended funds had already been returned to the Member Agencies via reductions to fiscal year 2020-21 fourth quarter assessments, as this excess was anticipated during that year. Noting that COMB is sensitive to the Member Agencies’ budgets, Ms. Gingras advised that staff will return the funds to the COMB Member Agencies in accordance with their contribution percentages.

Director Plough motioned to approve the calculation and return of unexpended funds, followed by a second from Director Hanson. The motion carried with a vote of six in favor.

Ayes: Sneddon, Plough, Hanson, Holcombe

Nays:

Absent:

Abstain:

11. GENERAL MANAGER REPORT

- Administration
- Personnel Training

Ms. Gingras presented the General Manager report, touching briefly on several topics, including the sustainability plan to come before the Board in the near term, as well as work under way on the Multi-Jurisdictional Hazard Mitigation Plan in collaboration with County of Santa Barbara and partners. She also reported that Mr. Degner and Mr. Lyons are both now certified in the Incident Command System, having completed the FEMA ICS 100 course. Ms. Gingras fielded questions and requests from the Board.

12. ENGINEER’S REPORT

- Climate Conditions
- Lake Elevation Projections
- Infrastructure Improvement Projects

Mr. Degner's verbal Engineering report highlighted the upcoming storm event and included a review of the lake elevation model. He then proceeded with the Operations Division report.

13. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Degner provided a verbal, Powerpoint supported report on the activities of the Operations Division. Staff undertook several major, intense projects in the past month, including the rehabilitation of the Summerland/Montecito turnout which is now functional. He detailed the Ortega reservoir dive inspection results and subsequent repairs and focused largely on the Carpinteria Reservoir cleaning project and valve replacement. Finally, Mr. Degner advised that the La Mirada Isolation Valve project should begin in early January as contracts are now in place. He fielded questions and requests from the Board.

14. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division report, beginning with a weather report focused on the upcoming storms. He reported that target flows to Hilton Creek and the Highway 154 Bridge are being met and that RPM6 monitoring has concluded. Further, Mr. Robinson reported that staff had worked with Reclamation to secure the flanges on the Hilton Creek Emergency Backup System floating pipeline. Otherwise, he stated that normal, required monitoring had been accomplished, although the monitoring of beaver activity was still under way. Finally, Mr. Robinson reported that HDR Engineering had been onsite to evaluate all the fish passage crossings. He fielded questions and requests from the Board.

15. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson presented the Oak Tree Program report, stating that irrigation efforts continue. Staff has planted approximately 200 of the planned 300 oak trees, some of which were in collaboration with Mr. Kenneth Knight's project. He noted that staff expected to complete the planting season by the end of the year.

17. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras presented the Cachuma Project reports for review. She advised that the Central Coast Water Agency is steadily delivering water to the lake, except for interruptions for scheduled maintenance.

18. CALENDAR YEAR 2022 COMB REGULAR BOARD MEETING SCHEDULE

Ms. Gingras presented the Regular Board Meeting calendar for 2022, generating no discussion and noting that it could be subject to change or revision.

19. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

Director Sneddon requested that the Board receive an update on the performance of the fish passage crossings following the forecasted rain events.

20. [CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: POTENTIAL LITIGATION

- a. [Government Code Section 54956.9(d)(1)]
Name of matter: *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647
– Request for Declaratory and Injunctive Relief
- b. Potential Litigation: Conference with Legal Counsel

The Board convened the Closed Session at 3:10 PM.

21. RECONVENE INTO OPEN SESSION

[Government Code Section 54957.7]
Disclosure of actions taken in closed session, as applicable
[Government Code Section 54957.1]

- 19a. Name of matter: *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647
– Request for Declaratory and Injunctive Relief
- 19b. Potential Litigation: Conference with Legal Counsel

The Board reconvened into Open Session at 3:41 PM. As stated during Closed Session and with a quorum present, there was no reportable action.

22. MEETING SCHEDULE

- **Special Board Meeting - January 10, 2022 at 1:00 PM**
- **Regular Board Meeting – January 24, 2022 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

24. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 3:43 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

APPROVED:

Polly Holcombe, President of the Board

Cachuma Operation & Maintenance Board
Statement of Net Position
As of December 31, 2021
UNAUDITED FINANCIALS

	December 31, 2021
ASSETS	
Current Assets	
Checking/Savings	
Trust Funds	
1210 · Warren Act Trust Fund	96,626.72
1220 · Renewal Fund	83,218.35
Total Trust Funds	179,845.07
1050 · General Fund	659,248.81
1100 · Revolving Fund	282,537.69
Total Checking/Savings	1,121,631.57
Accounts Receivable	
1301 · Accounts Receivable	1,570.00
Total Accounts Receivable	1,570.00
Other Current Assets	
1010 · Petty Cash	500.00
1200 · LAIF	1,315,092.08
1303 · Bradbury SOD Act Assessments Receivable	213,957.00
1304 · Lauro Dam SOD Assessments Receivable	32,837.16
1310 · Misc Receivable	7,798.02
1400 · Prepaid Insurance	10,656.72
1900 · Deposits	236,109.85
Total Other Current Assets	1,816,950.83
Total Current Assets	2,940,152.40
Fixed Assets	
1500 · Vehicles	468,728.36
1505 · Office Furniture & Equipment	236,471.87
1510 · Mobile Offices	97,803.34
1515 · Field Equipment	523,998.79
1525 · Paving	38,351.00
1550 · Accumulated Depreciation	(1,218,759.00)
Total Fixed Assets	146,594.36
Other Assets	
1910 · Long Term Bradbury SOD Act Assessments Receivable	4,057,372.07
1920 · Long Term Lauro SOD Act Assessments Receivable	739,312.90
1922 · Deferred Outflow of Resources (GASB 68)	497,209.00
1923 · Deferred Outflow (GASB 75)	870,598.00
Total Other Assets	6,164,491.97
TOTAL ASSETS	9,251,238.73

Cachuma Operation & Maintenance Board
Statement of Net Position
As of December 31, 2021
UNAUDITED FINANCIALS

	December 31, 2021
LIABILITIES & NET POSITION	
Liabilities	
Current Liabilities	
Accounts Payable	
2200 · Accounts Payable	37,484.36
Total Accounts Payable	37,484.36
Other Current Liabilities	
2505 · Accrued Wages	20,168.77
2550 · Vacation/Sick	202,762.73
2561 · Bradbury Dam SOD Act	213,956.99
2563 · Lauro Dam SOD Act	32,837.16
2565 · Accrued Interest SOD Act	46,692.00
2590 · Deferred Revenue	179,845.07
Total Other Current Liabilities	696,262.72
Total Current Liabilities	733,747.08
Long Term Liabilities	
2602 · Long Term SOD Act Liability-Bradbury	4,057,362.07
2603 · Long Term SOD Act Liability - Lauro	739,312.90
2604 · OPEB Long Term Liability	5,789,486.00
2610 · Net Pension Liability (GASB 68)	2,078,203.00
2611 · Deferred Inflow of Resources (GASB 68)	103,202.00
2612 · Deferred Inflow of Resources (GASB 75)	588,356.00
Total Long Term Liabilities	13,355,921.97
Total Liabilities	14,089,669.05
Net Position	
3000 · Opening Balance Net Position	(5,296,580.05)
3901 · Retained Net Assets	(521,650.49)
Net Surplus / Deficit	979,800.22
Total Net Position	(4,838,430.32)
TOTAL LIABILITIES & NET POSITION	9,251,238.73

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2021 - June 2022

	Fisheries				Operations				TOTAL			
	Jul - Dec 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 21	Budget	\$ Over / (Under) Budget	% of Budget
	Revenue											
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	\$ 523,221.30	\$ 1,073,752.00	\$ (550,530.70)	48.73%	\$ 2,074,798.00	\$ 3,865,221.00	\$ (1,790,423.00)	53.68%	\$ 2,598,019.30	\$ 4,938,973.00	\$ (2,340,953.70)	52.6%
3006 · Warren Act	43,086.00	43,086.00	0.00	100.0%	0.00				43,086.00	43,086.00	0.00	100.0%
3007 · Renewal Fund	111,811.17	220,175.00	-108,363.83	50.78%	0.00				111,811.17	220,175.00	-108,363.83	50.78%
3009 · EPFP Loan (Qtrly Assessments)	0.00				38,620.56	0.00	38,620.56	100.0%	38,620.56	0.00	38,620.56	100.0%
3010 · Interest Income	0.00				1,012.51	0.00	1,012.51	100.0%	1,012.51	0.00	1,012.51	100.0%
3014 · Non-Member Agency Revenue	7,300.00	0.00	7,300.00	100.0%	0.00				7,300.00	0.00	7,300.00	100.0%
3021 · Grant Income	0.00				510.00	0.00	510.00	100.0%	510.00	0.00	510.00	100.0%
3035 · Cachuma Project Betterment Fund	0.00	90,000.00	-90,000.00	0.0%	0.00				0.00	90,000.00	-90,000.00	0.0%
Total 3000 REVENUE	\$ 685,418.47	\$ 1,427,013.00	\$ (741,594.53)	48.03%	\$ 2,114,941.07	\$ 3,865,221.00	\$ (1,750,279.93)	54.72%	\$ 2,800,359.54	\$ 5,292,234.00	\$ (2,491,874.46)	52.92%
Expense												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 441,270.81	\$ 1,023,887.00	\$ (582,616.19)	43.1%	\$ 441,270.81	\$ 1,023,887.00	\$ (582,616.19)	43.1%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				18,128.32	35,000.00	-16,871.68	51.8%	18,128.32	35,000.00	-16,871.68	51.8%
3202 · Fixed Capital	0.00				1,761.73	65,000.00	-63,238.27	2.71%	1,761.73	65,000.00	-63,238.27	2.71%
3203 · Equipment Rental	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
3204 · Miscellaneous	0.00				1,104.59	10,000.00	-8,895.41	11.05%	1,104.59	10,000.00	-8,895.41	11.05%
Total 3200 VEH & EQUIPMENT	0.00				20,994.64	115,000.00	-94,005.36	18.26%	20,994.64	115,000.00	-94,005.36	18.26%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				4,870.00	20,000.00	-15,130.00	24.35%	4,870.00	20,000.00	-15,130.00	24.35%
3302 · Buildings & Roads	0.00				1,294.31	20,000.00	-18,705.69	6.47%	1,294.31	20,000.00	-18,705.69	6.47%
3303 · Reservoirs	0.00				12,994.65	60,000.00	-47,005.35	21.66%	12,994.65	60,000.00	-47,005.35	21.66%
3304 · Engineering, Misc Services	0.00				0.00	30,000.00	-30,000.00	0.0%	0.00	30,000.00	-30,000.00	0.0%
Total 3300 · CONTRACT LABOR	0.00				19,158.96	130,000.00	-110,841.04	14.74%	19,158.96	130,000.00	-110,841.04	14.74%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				59,808.27	65,000.00	-5,191.73	92.01%	59,808.27	65,000.00	-5,191.73	92.01%
3402 · Buildings & Roads	0.00				11,063.66	15,000.00	-3,936.34	73.76%	11,063.66	15,000.00	-3,936.34	73.76%
3403 · Reservoirs	0.00				2,907.36	5,000.00	-2,092.64	58.15%	2,907.36	5,000.00	-2,092.64	58.15%
Total 3400 · MATERIALS & SUPPLIES	0.00				73,779.29	85,000.00	-11,220.71	86.8%	73,779.29	85,000.00	-11,220.71	86.8%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				3,231.19	7,000.00	-3,768.81	46.16%	3,231.19	7,000.00	-3,768.81	46.16%
3502 · Uniforms	0.00				665.00	5,750.00	-5,085.00	11.57%	665.00	5,750.00	-5,085.00	11.57%
3503 · Communications	0.00				5,072.09	15,800.00	-10,727.91	32.1%	5,072.09	15,800.00	-10,727.91	32.1%
3504 · USA & Other Services	0.00				2,736.29	4,750.00	-2,013.71	57.61%	2,736.29	4,750.00	-2,013.71	57.61%
3505 · Miscellaneous	0.00				6,085.37	12,000.00	-5,914.63	50.71%	6,085.37	12,000.00	-5,914.63	50.71%
3506 · Training	0.00				60.00	3,000.00	-2,940.00	2.0%	60.00	3,000.00	-2,940.00	2.0%
Total 3500 · OTHER EXPENSES	0.00				17,849.94	48,300.00	-30,450.06	36.96%	17,849.94	48,300.00	-30,450.06	36.96%
4100 · LABOR - FISHERIES	347,797.47	755,458.00	-407,660.53	46.04%	0.00				347,797.47	755,458.00	-407,660.53	46.04%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	7,328.35	30,000.00	-22,671.65	24.43%	0.00				7,328.35	30,000.00	-22,671.65	24.43%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2021 - June 2022

	Fisheries				Operations				TOTAL			
	Jul - Dec 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 21	Budget	\$ Over / (Under) Budget	% of Budget
4280 · Fixed Capital	6,392.57	50,000.00	-43,607.43	12.79%	0.00				6,392.57	50,000.00	-43,607.43	12.79%
4290 · Miscellaneous	7.53	2,500.00	-2,492.47	0.3%	0.00				7.53	2,500.00	-2,492.47	0.3%
Total 4200 · VEHICLES & EQUIP - FISHERIES	13,728.45	82,500.00	-68,771.55	16.64%	0.00				13,728.45	82,500.00	-68,771.55	16.64%
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
4222 · Fish Projects Maintenance	5,183.74	16,100.00	-10,916.26	32.2%	0.00				5,183.74	16,100.00	-10,916.26	32.2%
Total 4220 · CONTRACT LABOR - FISHERIES	5,183.74	19,100.00	-13,916.26	27.14%	0.00				5,183.74	19,100.00	-13,916.26	27.14%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	2,023.33	7,000.00	-4,976.67	28.91%	0.00				2,023.33	7,000.00	-4,976.67	28.91%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	2,023.33	7,000.00	-4,976.67	28.91%	0.00				2,023.33	7,000.00	-4,976.67	28.91%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	2,965.50	3,500.00	-534.50	84.73%	0.00				2,965.50	3,500.00	-534.50	84.73%
Total 4500 · OTHER EXPENSES - FISHERIES	2,965.50	3,500.00	-534.50	84.73%	0.00				2,965.50	3,500.00	-534.50	84.73%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				3,923.40	12,400.00	-8,476.60	31.64%	3,923.40	12,400.00	-8,476.60	31.64%
5001 · Director Mileage	0.00				0.00	600.00	-600.00	0.0%	0.00	600.00	-600.00	0.0%
5100 · Legal	0.00				28,819.20	75,000.00	-46,180.80	38.43%	28,819.20	75,000.00	-46,180.80	38.43%
5101 · Audit	0.00				7,204.61	22,750.00	-15,545.39	31.67%	7,204.61	22,750.00	-15,545.39	31.67%
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				31,781.51	33,326.00	-1,544.49	95.37%	31,781.51	33,326.00	-1,544.49	95.37%
5310 · Postage/Office Exp	0.00				2,895.04	6,000.00	-3,104.96	48.25%	2,895.04	6,000.00	-3,104.96	48.25%
5311 · Office Equip/Leases	0.00				3,951.18	13,440.00	-9,488.82	29.4%	3,951.18	13,440.00	-9,488.82	29.4%
5312 · Misc Admin Expenses	0.00				3,748.16	14,000.00	-10,251.84	26.77%	3,748.16	14,000.00	-10,251.84	26.77%
5313 · Communications	0.00				5,254.45	6,500.00	-1,245.55	80.84%	5,254.45	6,500.00	-1,245.55	80.84%
5314 · Utilities	0.00				4,364.25	9,737.00	-5,372.75	44.82%	4,364.25	9,737.00	-5,372.75	44.82%
5315 · Membership Dues	0.00				10,370.75	9,700.00	670.75	106.92%	10,370.75	9,700.00	670.75	106.92%
5316 · Admin Fixed Assets	0.00				510.58	5,000.00	-4,489.42	10.21%	510.58	5,000.00	-4,489.42	10.21%
5318 · Computer Consultant	0.00				12,805.65	16,500.00	-3,694.35	77.61%	12,805.65	16,500.00	-3,694.35	77.61%
5325 · Emp Training/Subscriptions	0.00				164.53	2,000.00	-1,835.47	8.23%	164.53	2,000.00	-1,835.47	8.23%
5330 · Admin Travel/Conferences	0.00				0.00	2,000.00	-2,000.00	0.0%	0.00	2,000.00	-2,000.00	0.0%
5331 · Public Information	0.00				1,170.00	3,500.00	-2,330.00	33.43%	1,170.00	3,500.00	-2,330.00	33.43%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				116,963.31	237,453.00	-120,489.69	49.26%	116,963.31	237,453.00	-120,489.69	49.26%
5299 · ADMIN LABOR	0.00				298,517.70	620,531.00	-322,013.30	48.11%	298,517.70	620,531.00	-322,013.30	48.11%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	3,496.00	25,000.00	-21,504.00	13.98%	0.00				3,496.00	25,000.00	-21,504.00	13.98%
5410 · Postage / Office Supplies	1,713.97	4,000.00	-2,286.03	42.85%	0.00				1,713.97	4,000.00	-2,286.03	42.85%
5411 · Office Equipment / Leases	2,127.54	8,533.00	-6,405.46	24.93%	0.00				2,127.54	8,533.00	-6,405.46	24.93%
5412 · Misc. Admin Expense	2,303.35	7,500.00	-5,196.65	30.71%	0.00				2,303.35	7,500.00	-5,196.65	30.71%
5413 · Communications	2,829.31	4,455.00	-1,625.69	63.51%	0.00				2,829.31	4,455.00	-1,625.69	63.51%
5414 · Utilities	2,352.03	5,243.00	-2,890.97	44.86%	0.00				2,352.03	5,243.00	-2,890.97	44.86%
5415 · Membership Dues	6,584.25	6,200.00	384.25	106.2%	0.00				6,584.25	6,200.00	384.25	106.2%
5416 · Admin Fixed Assets	2,167.01	3,000.00	-832.99	72.23%	0.00				2,167.01	3,000.00	-832.99	72.23%
5418 · Computer Consultant	6,895.35	9,000.00	-2,104.65	76.62%	0.00				6,895.35	9,000.00	-2,104.65	76.62%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures (Unaudited)
 Budget vs. Actuals July 2021 - June 2022

	Fisheries				Operations				TOTAL			
	Jul - Dec 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 21	Budget	\$ Over / (Under) Budget	% of Budget
	5425 · Employee Education/Subscription	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00
5426 · Director Fees	2,112.60	6,700.00	-4,587.40	31.53%	0.00				2,112.60	6,700.00	-4,587.40	31.53%
5427 · Director Mileage	0.00	300.00	-300.00	0.0%	0.00				0.00	300.00	-300.00	0.0%
5430 · Travel	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
5431 · Public Information	630.00	1,500.00	-870.00	42.0%	0.00				630.00	1,500.00	-870.00	42.0%
5441 · Audit	3,879.39	12,250.00	-8,370.61	31.67%	0.00				3,879.39	12,250.00	-8,370.61	31.67%
5443 · Liab & Property Ins	17,113.12	17,745.00	-631.88	96.44%	0.00				17,113.12	17,745.00	-631.88	96.44%
Total 5400 · GENERAL & ADMIN - FISHERIES	54,203.92	116,426.00	-62,222.08	46.56%	0.00				54,203.92	116,426.00	-62,222.08	46.56%
5499 · ADMIN LABOR-FISHERIES	118,832.52	258,029.00	-139,196.48	46.05%	0.00				118,832.52	258,029.00	-139,196.48	46.05%
5510 · Integrated Reg. Water Mgt Plan	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
6000 · SPECIAL PROJECTS												
6062 · SCADA	0.00				13,718.33	150,000.00	-136,281.67	9.15%	13,718.33	150,000.00	-136,281.67	9.15%
6090 · COMB Office Building	0.00				149,696.79	216,000.00	-66,303.21	69.3%	149,696.79	216,000.00	-66,303.21	69.3%
6096 · SCC Structure Rehabilitation	0.00				0.00	390,000.00	-390,000.00	0.0%	0.00	390,000.00	-390,000.00	0.0%
6097 · GIS and Mapping	0.00				4,700.00	10,000.00	-5,300.00	47.0%	4,700.00	10,000.00	-5,300.00	47.0%
6100 · Watershed Sanitary Survey	0.00				16,829.62	12,050.00	4,779.62	139.67%	16,829.62	12,050.00	4,779.62	139.67%
6105 · ROW Management Program	0.00				18,925.00	20,000.00	-1,075.00	94.63%	18,925.00	20,000.00	-1,075.00	94.63%
6120 · Lake Cachuma Secured Pipeline	0.00				21,378.00	352,000.00	-330,622.00	6.07%	21,378.00	352,000.00	-330,622.00	6.07%
6136 · SCC Isolation Valve Evaluation	0.00				25,699.09	400,000.00	-374,300.91	6.43%	25,699.09	400,000.00	-374,300.91	6.43%
6138 · Cachuma Watershed Mgmt Study	0.00				1,842.93	50,000.00	-48,157.07	3.69%	1,842.93	50,000.00	-48,157.07	3.69%
Total 6000 · SPECIAL PROJECTS	0.00				252,789.76	1,600,050.00	-1,347,260.24	15.8%	252,789.76	1,600,050.00	-1,347,260.24	15.8%
6200 · FISHERIES ACTIVITIES												
6201 · FMP Implementation	967.75	35,000.00	-34,032.25	2.77%	0.00				967.75	35,000.00	-34,032.25	2.77%
6202 · GIS and Mapping	2,850.00	10,000.00	-7,150.00	28.5%	0.00				2,850.00	10,000.00	-7,150.00	28.5%
6205 · USGS Stream Gauge Program	21,910.00	105,000.00	-83,090.00	20.87%	0.00				21,910.00	105,000.00	-83,090.00	20.87%
6207 · Oak Tree Restoration Program	8,656.76	25,000.00	-16,343.24	34.63%	0.00				8,656.76	25,000.00	-16,343.24	34.63%
Total 6200 · FISHERIES ACTIVITIES	34,384.51	175,000.00	-140,615.49	19.65%	0.00				34,384.51	175,000.00	-140,615.49	19.65%
6300 · HABITAT ENHANCEMENT												
6303 · Tributary Projects Support	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
Total 6300 · HABITAT ENHANCEMENT	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
7007 · INTEREST EXPENSE-EPPF	0.00				115.47	0.00	115.47	100.0%	115.47	0.00	115.47	100.0%
Total Expense	\$ 579,119.44	\$ 1,427,013.00	\$ (847,893.56)	40.58%	\$ 1,241,439.88	\$ 3,865,221.00	\$ (2,623,781.12)	32.12%	\$ 1,820,559.32	\$ 5,292,234.00	\$ (3,471,674.68)	34.4%
Net Surplus / Deficit	\$ 106,299.03	\$ -	\$ 106,299.03	100.0%	\$ 873,501.19	\$ -	\$ 873,501.19	100.0%	\$ 979,800.22	\$ -	\$ 979,800.22	100.0%

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	January 24, 2022
Submitted by:	Janet Gingras

SUBJECT: Investment Report – December 31, 2021

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of December 31, 2021.

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 December 2021, is reported at 0.212%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
Previous Balance	11/30/2021	\$	2,815,092.08
(+) Deposits/Credits			-
(-) Checks/Withdrawals			(1,500,000.00)
Statement Balance	12/31/2021	\$	1,315,092.08

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	11/30/2021	\$	83,218.35
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	12/31/2021	\$	83,218.35
American Riviera Bank Warren Act Trust Fund			
Previous Balance	11/30/2021	\$	96,626.72
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	12/31/2021	\$	96,626.72

STATEMENT

The above statement of investment activity for the month of December 2021, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all American Riviera Bank and LAIF investments of this agency for the period indicated.



 Secretary

Cachuma Operation & Maintenance Board

Paid Claims

As of December 31, 2021

Date	Num	Name	Memo	Amount
1050	General Fund			
12/02/2021	28974	Atlas Performance Industries, Inc.	COMB Trailer Replacement Project - Deposit	-51,976.66
12/02/2021	28975	Cushman Contracting Corp.	EPFP Pumping System - Pay Req #91	-3,500.00
12/02/2021	28976	Employee Relations, Inc.	Background Check (Fisheries)	-98.72
12/02/2021	28977	Frontier Communications	Phone Service - North Portal	-62.89
12/02/2021	28978	Janet Gingras	COMB Trailer Replacement - Kitchen Appliances	-702.74
12/02/2021	28979	Manzanita Nursery	Oak Tree Restoration Program - Seedlings	-915.90
12/02/2021	28980	Musick, Peeler & Garrett LLP	General Counsel October 2021 (Ops & Fisheries)	-6,072.00
12/02/2021	28981	Staples Business Credit	Office Supplies (Ops & Fisheries)	-526.10
12/02/2021	28982	Turenchalk Network Services, Inc.	Network Support October 2021 (Ops & Fisheries)	-2,512.40
12/02/2021	28983	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee (Ops)	-138.70
12/02/2021	28984	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance November 2021	-480.00
12/07/2021	28985	Bartlett, Pringle & Wolf, LLP	Audit Services FY 2020-21	-2,128.50
12/07/2021	28986	City of Santa-Barbara	Trash & Recycling November 2021	-326.22
12/07/2021	28987	Frontier Communications	Phone Service - Board Room	-99.22
12/07/2021	28988	HDR Engineering, Inc.	FMP Implementation, BO/FMP Compliance - Engineering Services (Fisheries)	-6,151.49
12/07/2021	28989	Home Depot Credit Services	COMB Trailer Replacement & Supplies (Ops)	-2,338.35
12/07/2021	28990	Premiere Global Services	Conference Calls November 2021	-26.62
12/07/2021	28991	SB Home Improvement Center	Supplies (Fisheries)	-89.31
12/07/2021	28992	State Board of Equalization	Annual Water Rights Fee - Bradbury & Lauro 7/1/21-6/30/22	-70,715.02
12/07/2021	28993	Wright Express Fleet Services	Fleet Fuel November 2021	-3,082.51
12/15/2021	28994	All Around Landscape Supply	Supplies (Ops)	-85.08
12/15/2021	28995	Association of Ca Water Agencies/JPIA	January 2022 Health Benefits Premium	-29,680.72
12/15/2021	28996	AT&T	Long Distance Service 10/28-11/27/21	-36.86
12/15/2021	28997	Carpinteria Valley Water Dist.	FY 2020-21 Return of Unexpended Funds	-106,731.93
12/15/2021	28998	City of Santa Barbara-Finance Dept.	FY 2020-21 Return of Unexpended Funds	-313,896.87
12/15/2021	28999	Coastal Copy, LP	Copier Maintenance - Kyocera Taskalpas 3253ci & 6052ci	-288.18
12/15/2021	29000	Famcon Pipe & Supply	South Coast Conduit Materials (Ops)	-392.64
12/15/2021	29001	Federal Express	Shipping (Ops)	-201.31
12/15/2021	29002	Goleta Water Distr.	FY 2020-21 Return of Unexpended Funds	-353,615.15
12/15/2021	29003	Hayward Santa Barbara	Supplies (Ops)	-40.62
12/15/2021	29004	Instrument & Valve Services Company	Calibration of Equipment (Ops)	-1,780.00
12/15/2021	29005	Integra Chemical Company	Carpinteria Reservoir Cleaning Supplies (Ops)	-1,396.03
12/15/2021	29006	J&C Services	Office Cleaning Service - Weekly 11/5/21-11/24/21	-680.00
12/15/2021	29007	Lash Construction, Inc.	Materials (Ops)	-316.71
12/15/2021	29008	MarBorg Industries	Portable Facilities - Ortega Ridge (Ops)	-167.88
12/15/2021	29009	Montecito Water Dist.	FY 2020-21 Return of Unexpended Funds	-100,607.97
12/15/2021	29010	Northern Safety Co. Inc.	Carpinteria Reservoir Cleaning Supplies (Ops)	-62.23
12/15/2021	29011	OS Systems, Inc.	Dry Suit Repair (Fisheries)	-490.00
12/15/2021	29012	Santa Barbara Office Interiors	COMB Office Building Project - Cabinet Installation (Ops)	-528.00
12/15/2021	29013	Southern California Edison	Electricity - Main Office and Outlying Stations	-1,106.97
12/15/2021	29014	The Casas Party Rentals	Staff Appreciation Lunch - Table/Chair Rental (Ops & Fisheries)	-96.00
12/15/2021	29015	McMaster-Carr Supply Co.	Carpinteria Reservoir Cleaning Supplies (Ops)	-396.78
12/15/2021	29016	Verizon Wireless	Operations Modems & SCADA (Ops)	-342.33
12/20/2021	29017	All Around Landscape Supply	Supplies (Ops)	-33.50
12/20/2021	29018	American Riviera Bank - Card Service	Website Hosting, Subscriptions, Meal Field Crew/Carp Reservoir, GFOA Certificate Fees	-1,053.35
12/20/2021	29019	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling (Ops)	-1,030.00
12/20/2021	29020	Federal Express	Shipping (Ops)	-106.65
12/20/2021	29021	Guadalupe Jasso	COMB Building Replacement - Deck/ADA Ramp Painting	-1,294.31
12/20/2021	29022	Manzanita Nursery	Oak Tree Restoration Project - Seedlings	-549.53
12/20/2021	29023	MarBorg Industries	Portable Facilities - Outlying Stations (Ops)	-220.04
12/20/2021	29024	Northern Safety Co. Inc.	Carpinteria Reservoir Cleaning Equipment (Ops)	-509.73
12/20/2021	29025	Oldcastle Infrastructure	South Coast Conduit Materials (Ops)	-4,021.23
12/20/2021	29026	Peter Lapidus Construction, Inc.	Oak Tree Restoration Program - Transport Backhoe Equipment	-957.00
12/20/2021	29027	PG&E	Electricity - North Portal & Tecolote Tunnel (Ops)	-369.02
12/20/2021	29028	Southern California Edison	Electricity - Outlying Stations (Ops)	-17.21
12/20/2021	29029	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance January-March 2022 (Ops)	-925.00
12/20/2021	29030	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalpa 3253ci	-123.98
12/30/2021	29031	Agri-Turf Supplies, Inc.	Oak Tree Program - Planting Supplies	-50.01
12/30/2021	29032	Aqua-Flo Supply	Supplies (Ops)	-504.58
12/30/2021	29033	Carpinteria Valley Lumber Company	Supplies (Ops)	-94.42
12/30/2021	29034	City of Santa-Barbara	Trash & Recycling December 2021	-326.22
12/30/2021	29035	Cori Hayman	Director Meeting Fees December 2021	-150.00
12/30/2021	29036	Cushman Contracting Corp.	EPFP Pumping System - Pay Req #92	-3,500.00
12/30/2021	29037	ECHO Communications	Message Service December 2021	-78.00
12/30/2021	29038	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling (Ops)	-1,030.00
12/30/2021	29039	FP Mailing Solutions	Postage Meter Rental (Ops & Fisheries)	-195.75
12/30/2021	29040	Frontier Communications	Phone Service - North Portal	-62.89
12/30/2021	29041	Graybar Electric Company, Inc.	Supplies (Ops)	-232.57
12/30/2021	29042	Ian's Tire & Auto Repair	Ford F-150 Tire Repair (Fisheries)	-25.00
12/30/2021	29043	Kristen Sneddon	Director Meeting Fees December 2021	-150.00
12/30/2021	29044	Lauren W. Hanson	Director Meeting Fees December 2021	-300.00
12/30/2021	29045	Manzanita Nursery	Oak Tree Restoration Program - Seedlings	-1,099.06
12/30/2021	29046	Musick, Peeler & Garrett LLP	General Counsel November 2021 (Ops & Fisheries)	-4,623.00
12/30/2021	29047	O'Reilly Automotive, Inc.	Supplies (Ops)	-182.49

Cachuma Operation & Maintenance Board

Paid Claims

As of December 31, 2021

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
12/30/2021	29048	OS Systems, Inc.	Dry Suit and Dry Hood (Fisheries)	-826.54
12/30/2021	29049	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 12/10/21 & 12/23/21	-212.65
12/30/2021	29050	Polly Holcombe	Director Meeting Fees December 2021	-256.00
12/30/2021	29051	Southern California Edison	Electricity - Main Office & Outlying Stations	-1,132.77
12/30/2021	29052	Sparkletts	Operations Safety (Ops)	-90.28
12/30/2021	29053	Staples Business Credit	Office Supplies (Ops & Fisheries)	-108.84
12/30/2021	29054	The Gas Company	Gas - Main Office	-31.15
12/30/2021	29055	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6052ci	-276.23
12/30/2021	29056	White Cap	Supplies (Ops)	-274.38
Total 1050 - General Fund				<u>-1,091,906.99</u>
TOTAL				<u>-1,091,906.99</u>

APPROVALS

CACHUMA OPERATION & MAINTENANCE BOARD

Operations Committee Meeting

Friday, January 7, 2022
10:00 A.M.

AGENDA

Chair: Director Sneddon
Member: Director Holcombe

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. California Dept. of Drinking Water (DDW) Domestic Water Supply Permit (*for information and possible recommendation*)
4. Lake Cachuma Emergency Pumping Facility – Secured Pipeline Economic Costs and Benefits (*for information and possible recommendation*)
5. Engineering / Operations Projects Update (*for information*)
 - Lake Cachuma Reservoir Conditions
 - Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan
6. Adjournment

NOTICE TO THE PUBLIC

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

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

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

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	January 24, 2022
Submitted by:	Janet Gingras

SUBJECT: Resolution No. 743 – Confirmation of Local Emergency – Ratification of Governor Newsom’s Declared State of Emergency (Health and Safety)

RECOMMENDATION:

The Board of Directors adopt Resolution No. 743 pursuant to the requirements of AB 361 authorizing remote teleconference meetings of the Board of Directors and its committees pursuant to Government Code Section 54953(e) (Brown Act).

DISCUSSION:

On March 4, 2020, Governor Gavin Newsom declared a state of emergency to exist due to the COVID-19 pandemic and its impact on human health and safety. Governor Newsom issued Executive Order N-29-20 which allows local agencies to meet virtually rather than in-person while still complying with state open-meeting laws (e.g., Brown Act), using videoconferencing technology to decrease meeting attendees’ potential exposure to COVID-19. The pandemic still persists and the declared state of emergency remains in place. COMB has met successfully and in compliance with the Brown Act using a commercial videoconferencing platform and providing for public access.

The Executive Order N-29-20 waiver of Brown Act meeting requirements expired on September 30, 2021. Assembly Bill 361 (Open meetings: state and local agencies: teleconferences) was signed into law on September 16, 2021 and, effective October 1st, applies to local agencies intending to meet virtually in the interest of reducing COVID-19 exposure. AB 361 requires public agencies to regularly review and find an ongoing need to hold public meetings by teleconference. Accordingly, COMB must make the following findings by majority vote within 30 days of holding a meeting by teleconference for the first time under AB 361, then every 30 days thereafter. The requirements that allow the board to meet virtually are:

- a) a governor-declared state of emergency is in effect;
- b) a majority of the Board must vote that, as a result of the emergency, meeting in person would present imminent risk to the health or safety of attendees.

The COMB Board of Directors has continued to review and consider the ongoing circumstances of the declared state of emergency since the effective date of Assembly Bill 361 and, based on those circumstances, has authorized and re-authorized the adoption of resolutions acknowledging the emergency conditions for each 30-day period. The COMB Board of Directors regularly meets on the fourth (4th) Monday of each calendar month. As a consequence, some of the regularly-scheduled Board meetings at which the resolutions are reviewed and considered may fall a few days outside the 30-day period. To the extent any regularly-scheduled virtual meeting of the Board of Directors falls outside the 30-day period, COMB will not conduct any virtual Committee meetings during those days outside the 30-day period. The Board's next scheduled monthly meeting is February 28, 2022, where a re-authorization resolution regarding any emergency conditions will be presented to the Board for consideration and/or adoption.

LEGAL CONCURRENCE:

Legal counsel has reviewed Resolution No. 743.

LIST OF EXHIBITS:

1. Resolution No. 743

RESOLUTION NO. 743

A RESOLUTION OF THE GOVERNING BOARD OF THE CACHUMA OPERATION AND MAINTENANCE BOARD ACKNOWLEDGING A LOCAL EMERGENCY, ACKNOWLEDGING THE PROCLAMATION OF A STATE OF EMERGENCY BY GOVERNOR NEWSOM'S ORDER DATED MARCH 4, 2020 AND RE-AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE LEGISLATIVE BODIES OF THE CACHUMA OPERATION AND MAINTENANCE BOARD FOR THE PERIOD JANUARY 24, 2022 THROUGH FEBRUARY 24, 2022 PURSUANT TO BROWN ACT PROVISIONS

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 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 with the United States Bureau of Reclamation; and

WHEREAS, COMB is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

WHEREAS, all meetings of the COMB Governing Board are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code sections 54950 – 54963)(“Brown Act”), so that any member of the public may attend, participate and watch COMB’s governing body conduct its business; and

WHEREAS, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the State caused by conditions as described in Government Code section 8558; and

WHEREAS, it is further required that State or local officials have imposed or recommended measures to promote social distancing, or, the governing body determines that meeting in person would present risks to the health and safety of attendees; and

WHEREAS, on March 4, 2020, Governor Gavin Newsom proclaimed a State of Emergency to exist in California due to the threat of COVID-19; despite sustained efforts, the virus, and its variants, continues to spread and has impacted nearly all sectors of California; and

WHEREAS, on April 9, 2020, the COMB Governing Board adopted virtual meeting protocols, which include options for remote public participation; and

WHEREAS, on September 5, 2021, the Santa Barbara County Health Officer issued Order 2021-10.4, requiring face coverings in all public indoor settings in response to the rise in SARS-CoV-2 Delta Variant; and

WHEREAS, effective October 5, 2021, the Santa Barbara County Health Officer issued Order 2021-10.5, extending the requirement for face coverings in all public indoor settings in response to the rise in SARS-CoV-2 Delta Variant; and

WHEREAS, on October 25, 2021, the COMB Governing Board adopted Resolution No. 735, finding that the requisite conditions exist for the legislative bodies of COMB to conduct remote teleconference meetings without compliance with section 54953(b)(3); and

WHEREAS, on November 4, 2021, the Santa Barbara County Health Officer issued Order 2021-10.6, extending the requirement for face coverings in all public indoor settings in response to the rise in SARS-CoV-2 Delta Variant; and

WHEREAS, on December 3, 2021, the Santa Barbara County Health Officer issued Order 2021-10.7, superseding and replacing Health Officer Order No. 2021-10.6, extending the requirement for face coverings in all public indoor settings in response to the rise in SARS-CoV-2 Delta and Omicron Variants; and

WHEREAS, effective January 2, 2022, the Santa Barbara County Health Officer issued Order 2021-10.8, superseding and replacing Health Officer Order No. 2021-10.7, extending the requirement for face coverings in all public indoor settings in response to the rise in SARS-CoV-2 Delta and Omicron Variants; and

WHEREAS, as a consequence of the local emergency, the COMB Governing Board does hereby find that meeting in person would pose risks to the health or safety of attendees; and

WHEREAS, the COMB Governing Board does hereby find that COMB shall continue to conduct its meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, all meeting agendas, meeting dates, times and manner in which the public may participate in the public meetings of COMB and offer public comment by telephone or internet-based services options, including video conference, are posted on the COMB website and physically within COMB's jurisdictional boundaries; and

WHEREAS, the next regularly-scheduled monthly COMB Governing Board meeting is February 28, 2022, at which time, the Board will review and consider whether a resolution further re-authorizing virtual meeting protocols under the Brown Act will be approved.

NOW, THEREFORE, IT IS HEREBY RESOLVED by the COMB Governing Board, as follows:

1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.
2. Proclamation of Local Emergency. The Governing Board hereby acknowledges the Santa Barbara County Health Officer's Orders 2021-10.4, and 2021-10.8, regarding a local emergency that COVID-19 has caused, and will continue to cause, conditions of peril to the safety of persons within COMB that are likely to be beyond the control of services, personnel, equipment, and facilities of COMB.
3. Risks to Health and Safety of Attendees. The Governing Board hereby determines that meeting in person would present risks to the health and safety of attendees.
4. Acknowledgment of Governor's Proclamation of a State of Emergency. The Governing Board hereby acknowledges the Governor of the State of California's Proclamation of State of Emergency, effective as of its issuance date of March 4, 2020.
5. Remote Teleconference Meetings. COMB staff are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.
6. Effective Date of Resolution. This Resolution shall take effect on January 24, 2022, and shall be effective until the earlier of (i) February 24, 2022, or such time the Governing Board adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which the legislative bodies of COMB may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

ADOPTED by the COMB Governing Board on January 24, 2022, by the following roll call votes:

AYES:

NOES:

ABSENT:

ABSTAINED:

APPROVED:

President of the Governing Board

ATTEST:

Secretary of the Governing Board

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	January 24, 2022
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Financial Review – 2nd Quarter Fiscal Year 2021-22

RECOMMENDATION:

The Board of Directors receive and file a presentation on the 2nd Quarter Fiscal Year (FY) 2021-22 Financial Review.

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 2021-22, COMB adjusted the collection of quarterly assessments based on project implementation and projected cash outflows, as follows:

Table 1
COMB Quarterly Budget Assessments FY 2021-22

Q1	Q2	Q3	Q4	Total
\$ 1,271,100	\$ 1,286,741	\$ 1,123,816	\$ 1,257,316	\$ 4,938,973
26%	26%	23%	25%	100%

FISCAL ANALYSIS:

Revenues Collected

- COMB assessed and collected \$1.29M in quarterly O&M Budget Assessments for the period October – December 2021.
- COMB assessed and collected \$457.2K in pass-through charges on behalf of the US Bureau of Reclamation for the 1st period USBR Entitlement obligation for the period October 2021 through April 2022.
- COMB assessed and collected \$70.7K in pass-through charges from the Cachuma Project Member Units for State Water Resource Control Board fees.
- COMB collected \$11.5K from a non-member agency as reimbursement for 2000 BiOp and Oak Tree Mitigation activities performed during October - December 2021.
- COMB earned \$1.0K in interest income for funds held with LAIF.

Expenditures To Date (% of Budget Apportioned thru December – 52%)

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 \$171.2K (48.4%) and are within budget.
- 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 \$417.4K (47.5%). 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. Actual personnel costs of \$441.3K (43.1%) are under budget due to staff vacancies.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$21.0K (18.3%) were lower than budget due to lower than projected fixed capital equipment costs. The first quarter budget projection included the purchase of a new fleet vehicle which was postponed until later this fiscal year.
- 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 \$19.2K (14.7%) were lower than budget. 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 \$73.8K (86.8%) were higher than budget. Notable expenses during the second quarter included the purchase of material and supplies for work to be performed in the lower reach of the South Coast Conduit (SCC) (\$35.9K) and lumber and building supplies (\$4.5K) to be used for a new deck and accessible ramp for the COMB building.
- 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 \$17.9K (37.0%) were within budget.
- Special Projects - Board policy requires that all infrastructure improvement projects be approved through Committee and by the Board prior to commencement. Actual costs thru December totaled \$252.8K. This amount is attributed to the following projects: the COMB Office Building (\$149.7k), SCC Isolation Valve Project (\$25.7K), Lake Cachuma Secured Pipeline (\$21.4K), COMB Right of Way Management Program (\$18.9K), Lake Cachuma Watershed Sanitary Project (\$16.8K), and SCADA (\$13.7K). The timing and ranking of 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 December of \$1.24M (32.1%) for FY 2021-22 were within budget.**

- **The projected annualized Operations Division expenses of \$3M for FY 2021-22 are reflected in Table 2:**

Table 2
Operations Division

	Actual Jul-Sep	Actual Oct-Dec	Budget Jan-Mar	Budget Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 921,847	\$ 1,154,474	\$ 874,461	\$ 915,961	\$ 3,866,743	\$ 3,865,221	\$ 1,522	100.0%
Expense								
General and Admin Expenses	43,003	73,960	48,594	45,344	210,901	237,453	(26,552)	88.8%
General and Admin Labor	165,875	132,643	155,133	155,133	608,783	620,531	(11,748)	98.1%
O&M Labor	235,575	205,696	255,972	255,972	953,215	1,023,887	(70,672)	93.1%
O&M Vehicle & Equip	8,882	12,113	18,750	18,750	58,495	115,000	(56,505)	50.9%
O&M Contract Labor	11,751	7,408	32,500	32,500	84,159	130,000	(45,841)	64.7%
O&M Material and Supplies	27,856	45,923	20,000	30,000	123,779	85,000	38,779	145.6%
O&M Other Expenses	7,735	10,115	11,513	13,763	43,125	48,300	(5,175)	89.3%
O&M Special Projects	140,464	112,326	332,000	364,500	949,290	1,605,050	(655,760)	59.1%
Total Expense	\$ 641,141	\$ 600,183	\$ 874,461	\$ 915,961	\$ 3,031,747	\$ 3,865,221	\$ (833,474)	78.4%
Net Surplus / (Deficit)	\$ 280,706	\$ 554,290	\$ -	\$ -	\$ 834,996	\$ -	\$ 834,996	

Note:

Results are unaudited and subject to change.

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 \$347.8K (46.0%) were within budget.
- **Vehicles & Equipment** includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$13.7K (16.6%) were lower than budget due to lower than projected vehicle maintenance costs and fixed capital purchases.
- **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. Actual costs of \$5.2K (27.1%) were lower than budget. Projected consultant services are reviewed by the COMB General Manager and Fisheries Division Manager to control costs in this category.
- **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 \$2.0K (28.9%) were within budget.
- **Other Expenses** includes funds to pay for uniforms and gear for the fisheries division employees. Actual costs of \$3.0K (84.7%) were higher than budget. Notable expenses during the 2nd quarter included the purchase of dry suits and boots for staff (\$1.2K).
- **Fisheries 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, USGS Stream Gauge Program and the Oak Tree Restoration Program. 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 \$34.4K (19.6%) were lower than budget due to delayed billing under the USGS Stream Gauge Program. These costs will appear during the third and fourth quarter.

- Fisheries Habitat Improvement – There were no costs recorded in this category during the 2nd quarter. Board policy requires that all habitat improvement projects be approved through Committee and by the Board prior to commencement.
- The total Fisheries Division expenses thru December of \$579.1K (40.6%) for FY 2021-22 were within budget.
- The projected annualized Fisheries Division expenses of \$1.26M for FY 2021-22 are reflected in Table 3 below:

Table 3
Fisheries Division

	Actual Jul-Sep	Actual Oct-Dec	Budget Jan-Mar	Budget Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 349,764	\$ 335,654	\$ 339,355	\$ 341,355	\$ 1,366,128	\$ 1,427,013	\$ (60,885)	95.7%
Expense								
General and Admin Expenses	16,168	38,036	23,358	21,608	99,169	116,426	(17,257)	85.2%
General and Admin Labor	65,109	53,723	64,508	64,508	247,847	258,029	(10,182)	96.1%
Fisheries Labor	186,694	161,104	188,864	188,864	725,526	755,458	(29,932)	96.0%
Fisheries Vehicle & Equip	5,999	7,730	10,625	10,625	34,979	82,500	(47,521)	42.4%
Fisheries Contract Labor	-	5,184	750	750	6,684	19,100	(12,416)	35.0%
Fisheries Material and Supplies	1,650	373	1,750	1,750	5,523	7,000	(1,477)	78.9%
Fisheries Other Expenses	1,789	1,177	500	2,000	5,466	3,500	1,966	156.2%
Fisheries Activities	22,020	12,364	35,000	45,000	114,384	175,000	(60,616)	65.4%
Fisheries Habitat Enhancement	-	-	14,000	6,250	20,250	10,000	10,250	202.5%
Total Expense	\$ 299,429	\$ 279,690	\$ 339,355	\$ 341,355	\$ 1,259,829	\$ 1,427,013	\$ (167,184)	88.3%
Net Surplus / (Deficit)	\$ 50,335	\$ 55,964	\$ -	\$ -	\$ 106,299	\$ -	\$ 106,299	

Note: Results are unaudited and subject to change.

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) (\$58 initially with a \$15 service charge by Reclamation), which is not indexed. 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 \$43K of Warren Act Trust Fund payments from CCWA for SWP deliveries that occurred in calendar year 2020. These funds were reviewed and approved at the annual Cachuma Project Warren Act Trust Fund and Renewal Fund meeting in June 2021 for use in FY 2021-22.

- 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. The amount of the Renewal Fund Obligation for WY 2021-22 was approved at the annual Cachuma Project Warren Act Trust Fund and Renewal Fund meeting in June 2021.

On September 24, 2021, Michael Jackson, SCCAO Area Manager (U.S. Bureau of Reclamation) provided notice of the WY 2021-22 allocation for the Cachuma Project to be set at 70% of the maximum contract total, or 18,000 acre-feet.

As a result of the reduced allocation for WY 2021-22, the aggregate amount to be deposited into the Renewal Fund was revised based on Sub Article 27 (e)(2) of the Renewal Master Contract, as follows:

\$10 x Acre-Foot of Project Water Scheduled for Delivery, or

$$\$10 \times (25,714 \text{ AF} \times 70\%) = \$179,998$$

These funds will be made available for use in FY 2021-22.

- **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 2021-22 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 2021-22 is \$47,404. COMB assesses the COMB Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

LIST OF EXHIBITS:

- 1) Fiscal Year 2021-22 Statement of Revenue and Expenditures
- 2) Quarterly Financial Review Presentation

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

	Fisheries				Operations				TOTAL			
	Jul-Dec 21	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Dec 21	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Dec 21	Budget	\$ Over / (Under) Budget	% of Budget
	Revenue											
Revenue	\$ 685,418.47	\$ 1,427,013.00	\$ (741,594.53)	48.0%	\$ 2,076,320.51	\$ 3,865,221.00	\$ (1,788,900.49)	53.7%	\$ 2,761,738.98	\$ 5,292,234.00	\$ (2,530,495.02)	52.2%
Total Revenue	685,418.47	1,427,013.00	(741,594.53)	48.0%	2,076,320.51	3,865,221.00	(1,788,900.49)	53.7%	2,761,738.98	5,292,234.00	(2,530,495.02)	52.2%
Expense												
General and Admin Expenses	54,203.92	116,426.00	(62,222.08)	46.6%	116,963.31	237,453.00	(120,489.69)	49.3%	171,167.23	353,879.00	(182,711.77)	48.4%
General and Admin Labor	118,832.52	258,029.00	(139,196.48)	46.1%	298,517.70	620,531.00	(322,013.30)	48.1%	417,350.22	878,560.00	(461,209.78)	47.5%
O&M Labor	-	-	-	-	441,270.81	1,023,887.00	(582,616.19)	43.1%	441,270.81	1,023,887.00	(582,616.19)	43.1%
O&M Vehicle & Equip	-	-	-	-	20,994.64	115,000.00	(94,005.36)	18.3%	20,994.64	115,000.00	(94,005.36)	18.3%
O&M Contract Labor	-	-	-	-	19,158.96	130,000.00	(110,841.04)	14.7%	19,158.96	130,000.00	(110,841.04)	14.7%
O&M Material and Supplies	-	-	-	-	73,779.29	85,000.00	(11,220.71)	86.8%	73,779.29	85,000.00	(11,220.71)	86.8%
O&M Other Expenses	-	-	-	-	17,849.94	48,300.00	(30,450.06)	37.0%	17,849.94	48,300.00	(30,450.06)	37.0%
O&M Special Projects	-	-	-	-	252,789.76	1,605,050.00	(1,352,260.24)	15.8%	252,789.76	1,605,050.00	(1,352,260.24)	15.8%
Fisheries Labor	347,797.47	755,458.00	(407,660.53)	46.0%	-	-	-	-	347,797.47	755,458.00	(407,660.53)	46.0%
Fisheries Vehicle & Equip	13,728.45	82,500.00	(68,771.55)	16.6%	-	-	-	-	13,728.45	82,500.00	(68,771.55)	16.6%
Fisheries Contract Labor	5,183.74	19,100.00	(13,916.26)	27.1%	-	-	-	-	5,183.74	19,100.00	(13,916.26)	27.1%
Fisheries Material and Supplies	2,023.33	7,000.00	(4,976.67)	28.9%	-	-	-	-	2,023.33	7,000.00	(4,976.67)	28.9%
Fisheries Other Expenses	2,965.50	3,500.00	(534.50)	84.7%	-	-	-	-	2,965.50	3,500.00	(534.50)	84.7%
Fisheries Activities	34,384.51	175,000.00	(140,615.49)	19.6%	-	-	-	-	34,384.51	175,000.00	(140,615.49)	19.6%
Fisheries Habitat Enhancement	-	10,000.00	(10,000.00)	0.0%	-	-	-	-	-	10,000.00	(10,000.00)	0.0%
Other Interest Expense - EPFP	-	-	-	0.0%	-	-	-	-	-	-	-	0.0%
Total Expense	579,119.44	1,427,013.00	(847,893.56)	40.6%	1,241,324.41	3,865,221.00	(2,623,896.59)	32.1%	1,820,443.85	5,292,234.00	(3,471,790.15)	34.4%
Surplus / (Deficit) - O&M	\$ 106,299.03	\$ -	\$ 106,299.03		\$ 834,996.10	\$ -	\$ 834,996.10		\$ 941,295.13	\$ -	\$ 941,295.13	
Pass Thru Charges												
EPFP Loan - Assessments	-	-	-	-	38,620.56	-	38,620.56	N/A	38,620.56	-	-	N/A
EPFP Loan - Interest Expense	-	-	-	-	(115.47)	-	(115.47)	N/A	(115.47)	-	-	N/A
Sub Total Pass Thru Charges	\$ -	\$ -	\$ -		\$ 38,505.09	\$ -	\$ 38,505.09	N/A	\$ 38,505.09	\$ -	\$ 38,505.09	N/A
Net Surplus / (Deficit)	\$ 106,299.03	\$ -	\$ 106,299.03	-	\$ 873,501.19	\$ -	\$ 873,501.19	N/A	\$ 979,800.22	\$ -	\$ 979,800.22	N/A

Note: Results are unaudited and subject to change.

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Cachuma Operation & Maintenance Board

Financial Review – 2nd Quarter
Fiscal Year 2021-22



Financial Review

Revenues Collected – 2nd Quarter

COMB O&M Budget Assessment (Oct - Dec 2021)	\$ 1,286,741
USBR Entitlement Obligation (Oct 2021 - Apr 2022)	457,193
SWRCB Pass Thru Assessment	70,715
2000 BiOp and Oak Tree Mitigation Reimbursement	11,500
Interest Income	1,013
Total Revenues	\$ 1,827,162

Financial Review

	Operations Division			
	Jul - Dec (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue				
Revenue	\$ 2,076,321	\$ 3,865,221	\$ (1,788,900)	53.7%
Expense				
General and Admin Expenses	116,963	237,453	(120,490)	49.3%
General and Admin Labor	298,518	620,531	(322,013)	48.1%
O&M Labor	441,271	1,023,887	(582,616)	43.1%
O&M Vehicle & Equip	20,995	115,000	(94,005)	18.3%
O&M Contract Labor	19,159	130,000	(110,841)	14.7%
O&M Material and Supplies	73,779	85,000	(11,221)	86.8%
O&M Other Expenses	17,850	48,300	(30,450)	37.0%
O&M Special Projects	252,790	1,605,050	(1,352,260)	15.8%
Total Expense	\$ 1,241,324	\$ 3,865,221	\$ (2,623,897)	32.1%
Net Surplus / (Deficit)	\$ 834,996	\$ -	\$ 834,996	100.0%

Note: Results are unaudited and subject to change.

Financial Review

Operations Division

	Actual Jul-Sep	Actual Oct-Dec	Budget Jan-Mar	Budget Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 921,847	\$ 1,154,474	\$ 874,461	\$ 915,961	\$ 3,866,743	\$ 3,865,221	\$ 1,522	100.0%
Expense								
General and Admin Expense	43,003	73,960	48,594	45,344	210,901	237,453	(26,552)	88.8%
General and Admin Labor	165,875	132,643	155,133	155,133	608,783	620,531	(11,748)	98.1%
O&M Labor	235,575	205,696	255,972	255,972	953,215	1,023,887	(70,672)	93.1%
O&M Vehicle & Equip	8,882	12,113	18,750	18,750	58,495	115,000	(56,505)	50.9%
O&M Contract Labor	11,751	7,408	32,500	32,500	84,159	130,000	(45,841)	64.7%
O&M Material and Supplies	27,856	45,923	20,000	30,000	123,779	85,000	38,779	145.6%
O&M Other Expenses	7,735	10,115	11,513	13,763	43,125	48,300	(5,175)	89.3%
O&M Special Projects	140,464	112,326	332,000	364,500	949,290	1,605,050	(655,760)	59.1%
Total Expense	\$ 641,141	\$ 600,183	\$ 874,461	\$ 915,961	\$ 3,031,747	\$ 3,865,221	\$ (833,474)	78.4%
Net Surplus / (Deficit)	\$ 280,706	\$ 554,290	\$ -	\$ -	\$ 834,996	\$ -	\$ 834,996	

Note:

Results are unaudited and subject to change.

Financial Review

Fisheries Division

	Jul-Sep (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue				
Revenue	\$ 685,418	\$ 1,427,013	\$ (741,595)	48.0%
Expense				
General and Admin Expenses	54,204	116,426	(62,222)	46.6%
General and Admin Labor	118,833	258,029	(139,196)	46.1%
Fisheries Labor	347,797	755,458	(407,661)	46.0%
Fisheries Vehicle & Equip	13,728	82,500	(68,772)	16.6%
Fisheries Contract Labor	5,184	19,100	(13,916)	27.1%
Fisheries Material and Supplies	2,023	7,000	(4,977)	28.9%
Fisheries Other Expenses	2,966	3,500	(535)	84.7%
Fisheries Activities	34,385	175,000	(140,615)	19.6%
Fisheries Habitat Enhancement	-	10,000	(10,000)	0.0%
Total Expense	\$ 579,119	\$ 1,427,013	\$ (847,894)	40.6%
Net Surplus / (Deficit)	\$ 106,299	\$ -	\$ 106,299	100.0%

Note: Results are unaudited and subject to change.

Financial Review

Fisheries Division

	Actual Jul-Sep	Actual Oct-Dec	Budget Jan-Mar	Budget Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 349,764	\$ 335,654	\$ 339,355	\$ 341,355	\$ 1,366,128	\$ 1,427,013	\$ (60,885)	95.7%
Expense								
General and Admin Expenses	16,168	38,036	23,358	21,608	99,169	116,426	(17,257)	85.2%
General and Admin Labor	65,109	53,723	64,508	64,508	247,847	258,029	(10,182)	96.1%
Fisheries Labor	186,694	161,104	188,864	188,864	725,526	755,458	(29,932)	96.0%
Fisheries Vehicle & Equip	5,999	7,730	10,625	10,625	34,979	82,500	(47,521)	42.4%
Fisheries Contract Labor	-	5,184	750	750	6,684	19,100	(12,416)	35.0%
Fisheries Material and Supplies	1,650	373	1,750	1,750	5,523	7,000	(1,477)	78.9%
Fisheries Other Expenses	1,789	1,177	500	2,000	5,466	3,500	1,966	156.2%
Fisheries Activities	22,020	12,364	35,000	45,000	114,384	175,000	(60,616)	65.4%
Fisheries Habitat Enhancement	-	-	14,000	6,250	20,250	10,000	10,250	202.5%
Total Expense	\$ 299,429	\$ 279,690	\$ 339,355	\$ 341,355	\$ 1,259,829	\$ 1,427,013	\$ (167,184)	88.3%
Net Surplus / (Deficit)	\$ 50,335	\$ 55,964	\$ -	\$ -	\$ 106,299	\$ -	\$ 106,299	

Note: Results are unaudited and subject to change.

Financial Review

Upcoming Deliverables – Administrative Division

- Prepare O&M Budget for FY 2022-23
- Update COMB Personnel Policy and Employee Handbook
- Finalize COMB Sustainability Plan
- Conduct Annual IT Review and Assessment
- Participate in ACWA JPIA Commitment to Excellence Program

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	January 24, 2022
Submitted by:	Joel Degner
Approved by:	Janet Gingras

SUBJECT: Division of Drinking Water (DDW) Domestic Water Supply Permit for the South Coast Conduit (SCC)

RECOMMENDATION:

The Board of Directors review the staff memorandum and associated costs for COMB to obtain a California Domestic Water Supply Permit for the South Coast Conduit and approve the expenditures as outlined in the staff memorandum; receive and file the permit once issued by the State of California.

BACKGROUND:

The South Cost Conduit (SCC) is a water conveyance (transmission) pipeline serving the water agencies on the South Coast of Santa Barbara County and was built as part of the Cachuma Project (CP) in the 1950s by the U.S. Bureau of Reclamation (Reclamation). The Cachuma Project is currently owned by Reclamation and is operated and maintained by COMB, a California Joint Powers Agency, through a transfer of project works contract. COMB was formed in 1956 pursuant to an agreement between Reclamation and the water agencies. The water agencies utilizing the SCC for water deliveries consist of COMB member agencies which are the Goleta Water District (GWD), the City of Santa Barbara (City), Montecito Water District (MWD), and Carpinteria Valley Water District (CVWD). The agreement transferred to the Member Agencies the responsibility to operate, repair and maintain the Cachuma Project facilities with the exception of Bradbury Dam. COMB's responsibilities include diversion and control of untreated Lake Cachuma water through the Tecolote Tunnel, operation and maintenance of the SCC pipeline, flow control valves, meters, control station instrumentation, turnouts and four regulating reservoirs. As designed by Reclamation, the South Coast Conduit is divided into two sections: Goleta and Carpinteria. The South Coast Conduit – Goleta Section (SCC – GS) starts at the South Portal of the Tecolote Tunnel and ends at Lauro Reservoir, conveying raw water from Lake Cachuma to Lauro Reservoir. The South Coast Conduit – Carpinteria Section (SCC-CS) starts at Cater Water Treatment Plant and ends at Carpinteria Reservoir, conveying treated water.

With respect to water quality, the Member Agencies entered into agreements in 1957 and 1958 which delegated and assigned the responsibility of water treatment to the Member Agencies. In addition, on October 7, 1980, Reclamation entered into a cooperative agreement with the City of Santa Barbara (No. 0-07-20-L1582) which provided for alterations to the SCC for water treatment purposes. Prior to building the regional Cater Water Treatment Plant, COMB controlled all SCC water deliveries along the Carpinteria Section of the SCC. However, with the Cater facility in operation, Cachuma Project water is now treated and pumped by the City of Santa Barbara into the South Coast Conduit and the flow between Ortega and Carpinteria Reservoirs is also controlled by the Cater Treatment Plant operators on a day to day basis.

The SCC-CS contains potable water and its system infrastructure is currently not included in the City, MWD, or CVWD permits. In accordance with the California Division of Drinking Water, a domestic water supply permit is required to convey potable water. While COMB does not treat or operate the system under normal operations, it does periodically perform maintenance to the system. Annually, COMB staff performs structure maintenance on appurtenant structures, exercising blow-off valves, exercising air vacuum air release valves, and maintaining turnouts. There are over 100 appurtenant structures on the potable section

of the SCC. Shutdowns of the SCC are periodically required to rehabilitate structures, which requires COMB to take over operation of the South Coast Conduit on a temporary basis. Ortega and Carpinteria Reservoirs require periodic draining, cleaning, disinfecting, and filling which requires COMB to take control of system operations. During these maintenance projects, COMB closely coordinates with affected member agencies' staff. Treatment and sampling activities that occur during pipeline shutdowns and reservoir cleanings have been historically conducted by member agencies as they are responsible for the treatment of the water.

The Cachuma Project currently has an inactive public water system number (4210028) and no active permit for the conveyance of potable water. COMB staff has found annual reports from 1982 to 1993 which were provided to the California Department of Health Services regarding annual deliveries of Cachuma Project water. Staff has not found documentation on why this system ID was inactivated in 2001.

In December 2012, Reclamation and California Department of Public Health (CDPH) performed an inspection of the South Coast Conduit facilities. Following the inspection, the Department of Public Health issued a letter to Reclamation and COMB with comments related to subsurface air/vacuum valves, cross connection control, and pipe stands/blowoffs. CDPH was unclear on the lines of responsibility along the Conduit and requested that USBR, COMB and the Member Agencies clearly designate the treated water portions of the Conduit line for which they are responsible. CDPH also indicated that they would issue a permit to USBR and COMB as the owner and operator of the potable sections of the South Coast Conduit for which they are responsible.

In subsequent USBR inspections reports, Reclamation has recommended that COMB obtain a conveyance permit to convey potable water from Cater Water Treatment Plant to Carpinteria Dam in accordance with the California Department of Public Health and provide a copy to Reclamation (Recommendation 2013-2-R). COMB applied for a domestic water supply permit in February 2020 to the California Division of Drinking Water (DDW) for a D3 system (As of July 1, 2014, the administration of the Drinking Water Program was transferred from the State Water Board Division of Drinking Water). DDW performed a site inspection on August 6, 2020 and provided COMB with a final draft permit and engineering report on November 10, 2020. COMB provided the draft engineering report to the Member Agencies technical staff for review and received comments. The following section summarizes information on costs and liability which were the two major comments received on the draft permit.

PERMIT COSTS

Table 1 provides a summary of the permit costs, annual reporting costs, and system remediation costs. COMB would be required to pay an annual fee for the permit (estimated to be \$275). In addition, COMB would also apply for a Drinking Water Discharge Permit (\$2,062). COMB currently requires operators to obtain their D2 certificates. The D3 certification is slightly more expensive to obtain and would result in increased exam and renewal costs of ~\$95. COMB's operator positions and pay ranges are currently (and historically) have been consistent with a D3 system, so there would be no additional salary costs.

The D3 permit would require weekly sampling for chlorine residual and bacteria at three sampling locations. This sampling would be conducted by COMB's Member Agencies (City, MWD, CVWD) as part of their existing routine sampling programs. There would be no additional sampling costs for COMB. Each agency would provide COMB with a monthly report for the sampling sites (a page from their existing reports) and COMB would forward these reports to DDW. The data would also be summarized in Quarterly Reports. In addition, COMB staff would be required to provide an annual cross connection survey and report. Each of COMB's Member Agencies are responsible to conduct cross-connection surveys and protect the South Coast Conduit from contamination through each turnout structure. For cross-connection surveys COMB staff plans to review each Member Agencies required annual cross-connection survey to ensure protection of the South Coast Conduit and provide a summary report to DDW based on the survey from each agency receiving water from the CP-SCC-CS. In addition, COMB would be required to submit an electronic annual report of the water system.

The permit also requires the preparation of a Bacteriological Sampling Site Plan, Operations and Maintenance Plan, and Emergency Notification Plans. COMB has prepared draft plans based on the Member Agencies' existing sampling programs and existing operation and maintenance documents.

In addition, DDW recommended that smaller mesh screens be installed on the four open air stand pipes on the South Coast Conduit system. Two of the standpipes were installed in the 1980s with the construction of Cater Treatment Plant. The smaller mesh screens would only serve the purpose of protecting potable water quality. Therefore, based on the 1980 cooperative agreement, these water quality improvement costs would be covered by the City under the existing cooperative agreement, which then would likely be appropriately allocated to MWD and CVWD as part of their JPA for the operation of Cater Treatment Plant.

DDW also recommended the relocation of Air Vacuum Air Release (AVAR) valves above ground and for COMB to ensure working blow-off flapper valves which were previously upgraded in 2013. COMB has been in the process of raising air vacuum air release valves above grade and rehabilitating blow-off valves. A total of 23 of the 26 AVAR valves have been replaced as part of AVAR-BO Rehabilitation Project of the SCC-CS which started in 2018. In the replacement process, as is required by DDW, the AVAR's have been raised above grade. Three subgrades AVAR valves have been replaced and raised above grade this past Fiscal Year and the three remaining subgrade AVARs would be replaced in the current FY 2021-22, pending the La Mirada Line Valve Project. The AVAR/BO maintenance are previous planned expenditures by COMB.

Table 1. Domestic Drinking Water Supply Permit Costs

Permit Activity	Staff Hours	Cost/hour	Direct Costs	Total Cost
Annual Permit, Certification, and Reporting Costs				
Drinking Water Permit Fee			\$275	\$275
Drinking Water Discharge Permit Fee			\$2,062	\$2,062
Increased Staff Certification Costs			\$95	\$95
Annual Cross Connection Survey and Report	24	\$62	\$0	\$1,488
Monthly Chlorine Residual and Bacteria Report	12	\$62	\$0	\$744
Quarterly Maximum Chlorine Residual Report	8	\$62	\$0	\$496
Submit an electronic annual report of water system operation	16	\$62	\$0	\$992
Estimated Total Annual Recurring Costs				\$6,152
Permit Application Requirements				
Bacteriological Sample Siting Plan (BSSP)	12	\$62	\$0	\$744
Operations and Maintenance Plan	16	\$62	\$0	\$992
Prepare an Emergency Notification Plan (ENP)	8	\$62	\$0	\$496
Estimated One-time Application Costs				\$2,232
System Upgrade Requirements				
Smaller mesh screen - Sheffield Tunnel hatch access	0	\$-	\$0	\$0
Smaller mesh screen - Lauro standpipe	0	\$-	\$30,500	\$30,500
Smaller mesh screen - Parma Park standpipe	0	\$-	\$10,300	\$10,300
Smaller mesh screen - Barker Pass standpipe	0	\$-	\$10,300	\$10,300
Smaller mesh screen - Ortega Control Station standpipe	0	\$-	\$18,700	\$18,700
Ensure good working condition of all flapper valves*				\$0
Relocate AVARs above ground*				\$0
Install backflow prevention on all turnouts/laterals**				\$0
Estimated One-time Remediation Costs				\$69,800
*These improvements are being made as part of existing rehabilitation project				
**Each member agency is individually responsible for cross-connection and backflow prevention				

COMB staff recommends that the annual permit fee and drinking water discharge permit costs, as well as installation of smaller mesh screens on the standpipes, are for the sole benefit of water quality protection and improvement for potable water and should be reimbursed by the City of Santa Barbara under the existing 1980 cooperative agreement with the Bureau of Reclamation. COMB is currently investigating smaller mesh screen options for the standpipes but any installation screens would have to have all the same air release and overflow capabilities of the existing standpipes. Preliminary costs are estimated to be a one-time cost of \$69,800. *(Per the 1980 cooperative agreement, the City of Santa Barbara is required to compensate COMB for costs that are incurred as a result of constructing / and or installing facilities which takes raw water from Lauro Reservoir and returns treated water to the South Coast Conduit. The City of Santa Barbara, Montecito Water District and Carpinteria Valley Water District belong to a separate Joint Powers Authority (JPA) which provides for City water treatment of Cachuma Project water being delivered to those Districts, and accordingly, allocates costs for those services.)*

One time application costs are estimated to be \$2,232. The annual recurring costs for COMB to be compliant with a D3 permit, which includes staff reporting time, are estimated to be approximately \$6,152.

COMB staff is currently not recommending reimbursement for staff time that will be required to comply with monthly, quarterly, and annual reporting requirements. Prior to the connection of Cater Treatment Plant to the South Coast Conduit, COMB staff made flow changes at Sheffield Control and Ortega Control stations to manage flows in the SCC-CS. However, Cater operators currently manage the flow in the SCC-CS through the SCC Booster Pumps and the Ortega Southflow Valve (24 hours a day / 7 days a week). This reduces the amount of staff time needed for COMB to operate the system. In addition the reservoir covers installed at Ortega and Carpinteria reservoir have reduced the frequency that reservoir cleaning is required. Prior to the covers being installed, reservoirs needed to be cleaned annually with two weeks of COMB operations staff time required per reservoir. The staff time that would be required of COMB for annual reporting requirements is offset by the reduced effort needed by COMB staff in the CP-SCC-CS due to the installation of Cater Treatment Plant and their day to day flow control provided by Cater Treatment Plant operators. In addition, COMB staff maintenance time is reduced significantly due to the installed reservoir covers on Ortega and Carpinteria reservoirs.

LIABILITY

Historically, the Cachuma Project Member Units have been responsible individually for the water quality of the Cachuma Project. The most recent and previous Water Service Master Contract (No. I75r-1802RA) and the Operation and Maintenance Contract (No.14-06-200-5222RA) specifically state that the United States does not warrant the water quality delivered to the Contractor and is under no obligation to furnish or construct water treatment facilities to maintain or improve the quality of the water delivered to the contractor. Historically, chlorinating works that were added to the Cachuma Project system to improve water quality were funded separately by the Member Agencies from the operation and maintenance of the system. In the 1980 Cooperative Agreement between the City and Reclamation for the installation of the regional Cater Water Treatment Plant, it states that the United States or Operator (i.e., COMB) shall not be responsible for water quality and costs of any repairs, modifications, or alterations of United States facilities for the sole purpose of preserving water quality and shall be paid by the City. In addition, in 1981, CVWD entered into a cooperative agreement with Reclamation for additions and alterations to the South Coast Conduit to facilitate operations and to protect water quality. This agreement was amended in 2002 and 2003 (No. 1-07-20-X0200A2). As part of the amended agreement, any increased or unusual operation and maintenance costs incurred by Operator (i.e. COMB) solely because of the additions or alterations will be billed to the Districts (CVWD/MWD).

However, COMB's contract with the Reclamation (No.14-06-200-5222RA) also requires it to comply with all applicable water and air pollution laws and regulations of the United States and the State of California and to obtain all required permits or licenses from the appropriate Federal, State, or local authorities necessary for the delivery of water. Both Reclamation and the Division of Drinking Water have identified that a domestic water supply permit is needed for the CP-SCC-CS as it is currently not covered under the City, MWD, or CVWD water system permits. Under the proposed permit and, based on the previous agreements, the member agencies will continue to treat and sample the water in the CP-SCC-CS section as they have done historically and COMB, as the entity responsible for the operation and maintenance of the CP-SCC-CS, will provide the required reporting under State of California law for the CP-SCC-CS to the Department of Drinking Water.

BENEFITS

The benefits of acquiring a domestic supply permit for the CP-SCC-CS would include:

- Ensure compliance with existing regulations
- Completion of a Reclamation Category 2 recommendation
- Improved capability to retain staff through additional certifications (COMB has been functionally operating as a D3 for years, but has been unable to allow previous lead operators who passed D3 exams and met requirements to attain certification which has led to the loss of experienced staff in the past)
- Allows additional funding opportunities for projects (access to SRF loans)
- Allows simpler discharge permit reporting for dewatering in the potable section
- Provides documentation and support from DDW to maintain Lake Cachuma as a non-contact recreation reservoir

LEGAL CONCURRENCE:

Legal Counsel has reviewed the staff memorandum, draft permit and associated agreements.

ENVIRONMENTAL COMPLIANCE:

All environmental compliance measures will be followed according to the permit.

COMMITTEE STATUS:

The Operations Committee reviewed the staff memorandum and associated costs for COMB to obtain a State of California Division of Drinking Water (DDW) Domestic Water Supply Permit for the South Coast Conduit (SCC) and forwards to the Board with a recommendation to approve the expenditures as outlined in the staff memorandum.

LIST OF EXHIBITS:

N/A

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	January 24, 2022
Submitted by:	Joel Degner
Approved by:	Janet Gingras

SUBJECT: Lake Cachuma Emergency Pumping Facility Project - Cost Analysis

RECOMMENDATION:

The Board of Directors receive and file the staff report on the estimated cost / benefit information related to the Lake Cachuma Emergency Pumping Facility Project.

BACKGROUND:

Water is conveyed from Lake Cachuma to the South Coast of Santa Barbara County through the Tecolote Tunnel Intake Tower, which is located mid-reservoir. Under normal operations, water flows into the intake tower due to gravity when the elevation of the lake is above the lowest operable drafting Gate 4 (678' to 682'). However, if the water elevation in the lake drops below the sill of Gate 4' (678') water has to be pumped from the lake into the intake tower through the use of the Emergency Pumping Facility. The previous installations were temporary facilities with a floating pipeline and floating pump station. The previous design required the installation of sixty 40' anchor piles into the lake bottom which secured the floating pipeline to the lake bottom and to the floating pump station. In the most recent installation in 2014, these anchor piles were installed when the lake elevation was approximately 695 ft.

The Emergency Pumping Facility installed in 2014 has several key limitations. The installed pipeline, anchor piles, and pumping station are required to stay on standby at least one year under the 2014 design, when a wet winter with high inflows could require the removal of the entire system without it being utilized. In addition, during February 2017, the lake rose 23 feet in one day which made the removal of the anchor piles extremely difficult. Shortly thereafter, COMB re-negotiated the contract with Cushman Contracting and agreed to pay a monthly storage fee (\$3,500) to keep the key project components in storage. Under the current contract terms, the entire system can be installed 45 days before the lake reaches an elevation of 685'. If this contract is not in place, the previous installation elevation of 695' would likely need to be utilized for planning purposes.

Modifying the design by securing the transmission pipeline portion of the emergency pumping facility from site one to the intake tower will save costs in the future in two different ways. It will reduce the costs of each deployment by approximately \$1,200,000 as only the pumping barge would need to be installed and not the pipeline. It will also reduce the frequency that the emergency pumping facility would be deployed and then subsequently removed, potentially without being placed into operation. It will take approximately 120 days to construct the pump station and have it operational if the secured pipeline was in place. The following analysis provides a comparison of the initial upfront capital costs of the Secured Pipeline Project to the future avoided costs (or savings) that the project would provide in future droughts.

PROJECTED LAKE ELEVATIONS AND EMERGENCY PUMPING FACILITY DEPLOYMENTS

In the history of Lake Cachuma the emergency pumping facility has been installed three times: 1957, 1990, and 2014. However, water demands are now higher for the South Coast than they were in the early years of the Cachuma project, the releases for downstream water rights have increased with the implementation of WR 89-19 in 1989, and flow release requirements for fish were initiated as part of the 2000 Biological Opinion and increased in 2019 with water rights order 2019-148.

A simplistic daily lake elevation model was created utilizing the computed inflow calculated by the Bureau of Reclamation from 1955 to 2021. This long-term model is for water conveyances purposes only and to provide a general estimate of how often the emergency pumping facility may need to be deployed in the future. The following simplifying assumptions were utilized for the model:

- The rainfall rates, evaporation rates, and computed inflow were based on the historical measurements and calculations completed from 1955 to 2021. The rainfall, evaporation rates, and computed inflow were adjusted based on the Department of Water Resource (DWR) Sustainable Groundwater Management Act Data Viewer. DWR provides precipitation and reference evapotranspiration change factor data on a statewide basis for 2030 and 2070 climate change projected scenarios. In addition, the streamflow change factors are also provided by DWR for each watershed in the state for 2030 and 2070 projected conditions. Utilizing the change factors for 2030, inflow into Lake Cachuma is expected to drop by one percent on average, rainfall into Lake Cachuma would have a negligible change, and evaporation losses from the lake would increase by three percent.
- The South Coast Conduit diversions were distributed monthly based on the recent last five years of data and estimated to match the current safe yield of 25,714. For carryover, it was assumed that the Member Agencies carried over 20 percent of their allocation each year with no limit on total carryover storage, and the Tecolote Tunnel intrusion provides 1,098 AF per year for an effective annual diversion of Cachuma Water to the South Coast of 19,473 AF.
- It was assumed that there are no CCWA imports into and no CCWA exports from (Imported CCWA water is the first water exported from the lake and supplemental to Lake Cachuma supplies).
- Fish releases were based on Reclamation's Term 18 plan for the Table 1 and Table 2 releases. Fish passage supplementation releases were not included as there is limited data available to support the fish passage supplementation criteria (limited data on when the lagoon is open and an incomplete record for discharge data at the Solvang gaging station).
- WR-89-19 releases were estimated to be 12,000 AF per year in critically dry, dry, and below normal years and 9,000 AF per year in above normal years. If there was a spill greater than 20,000 AF in the current year or previous year, then no WR 89-19 releases were modeled to occur. The dewatered storage and ANA/BNA credits and debits were not tracked or accounted for in the model. The above assumptions results in an average water rights release of 6,200 AF/yr from 1955 to 2021. The average water rights release from 2000 to 2020 has been 6,200 AF/yr.

If the past hydrology from 1955 to 2021 were repeated in the future under the current operational requirements for the lake, the Emergency Pumping Facility with the Temporary Pipeline would need to be deployed approximately eight times instead of three (1957, 1961, 1964, 1977, 1988, 2014, 2018, and 2021) when the lake is modeled to drop below 695'. Of the eight times, four of the times it would be installed without being placed into operation. The model indicates that an emergency pumping facility would need to be in operation in an additional dry period from 1965 to 1966. The Table 2 flows required by WR 2019-148 would have significant impacts on lake elevation drought recovery in a repeat of the 1990-1991 and in the 2014-17 drought. The emergency pumping facilities would only have been temporarily removed from service by the 1991 March miracle with additional operation needed in 1993. The reprieve of the drought in 2017 would also have only been temporary with the emergency pumping facility require operation again 2018 in the future modeled scenario.

These estimates are based on the existing contract allowing the Member Units to withhold delivery and store water in Cachuma Reservoir. If the existing rules which allow withholding delivery and storing water (carryover) were to change or be restricted, the lake elevations would be much lower in the middle of droughts and the emergency pumping facility may need to be employed ten times instead of eight times during a repeat of the historical hydrology from 1955 to 2021.

PROJECTED PROJECT COSTS

The capital costs of the secured pipeline project were estimated to be \$2,827,198 in October 2020. Material supplier quotes have increased by 20 to 30 percent since the cost estimate was prepared, and the capital project costs of the secured pipeline project are now estimated to be \$3,500,000 (Table 1). In April 2017 and June 2018, COMB negotiated change orders (#15 and #17) for the mobilization and reinstallation of the temporary pipeline and pump station for the Emergency Pumping Facility. The lump sum costs for facility reconstruction and mobilization under Change Order 17 are \$1,666,375. Change order 15 included a provision that cost escalations may be applied 24 months after the enactment of the change order. Cost of living adjustments are approximately 15 percent since the enactment of the Change Order 15. Based on the original cost proposal, the installation of the pipeline was approximately one-third of the total installation costs. However, the temporary pipeline requires more standby costs due to the need to install the pipeline at 695' elevation and having a longer duration of standby time. Overall, mobilization and reconstruction costs of the Pumping Station and Temporary Pipeline are estimated to be \$2,700,000 (See Table 2). Overall mobilization of the Pump Station alone is estimated to be \$1,500,000 with the Secured Pipeline project providing \$1,200,000 of savings per each deployment. In addition, the October 2020 Design Report estimated the maintenance costs of the Secured Pipeline to be \$16,500 per year. The maintenance costs to keep the pump station in storage and 3,500 feet of pipeline stored at the lake for Site is \$42,000 per year of maintenance cost.

Table 1. Secured Pipeline Project Capital Costs

Item	Costs
Pipeline	\$2,143,144
Excavation and Deployment	\$241,550
Barge Modifications	\$74,335
Design/Construction Management	\$368,169
<i>Total (Final Design Report - October 2020)</i>	<i>\$2,827,198</i>
2021 Material Cost Increases (25%)	\$706,800
Total (December 2021)	\$3,533,998

Table 2. – Emergency Pumping Facility – Pump Station and Temporary Pipeline Costs (One Deployment)

Item	Pump Station Only	Pump Station with Temporary Pipeline
Reconstruction and Deployment	\$1,666,375	\$1,666,375
Pipeline Installation Savings	-\$630,000	
PG&E Power Installation	\$150,000	\$150,000
Standby Operations	(3 mos) - \$90,000	(10 mos) - \$510,000
Sub-Total Costs	\$1,276,375	\$2,326,375
Total Costs with 15% COLA adjustment	\$191,456	\$348,956
Total Costs	\$1,467,831	\$2,675,331
<i>Operations and Site 2 Relocation (escalated by 15%)</i>		
Site 1 Operations (with PG&E Power Costs)	\$80,000 / month	
Site 2 Relocation	\$960,000	
Site 2 Operations (with PG&E Power Costs)	\$110,000 / month	
Demobilization Site 1	\$120,000	\$180,000
Demobilization Site 2	\$220,000	\$280,000

Overall, if the past 65-years of hydrology were to repeat, the Emergency Pumping Facility with the Temporary Pipeline would cost \$33,600,000 and the Emergency Pumping Facility with the Secured Pipeline would cost \$20,700,000 (in 2021 dollar values). The one-time capital cost investment of \$3,500,000 for the Secured Pipeline would save \$12,800,000 in future avoided costs (Table 3) without factoring in the additional water quality benefits.

Table 3. Cost Comparison between Emergency Pumping Facility with Temporary Pipeline and Emergency Pumping Facility with Secured Pipeline in repeat of hydrology from 1955 to 2021

Scenario	Deployments	Total Costs
Emergency Pumping Facility with Temporary Pipeline	8 (4 operations)	\$33,600,000
Emergency Pumping Facility with Secured Pipeline	4 (4 operations)	\$20,700,000
Difference		-\$12,800,000

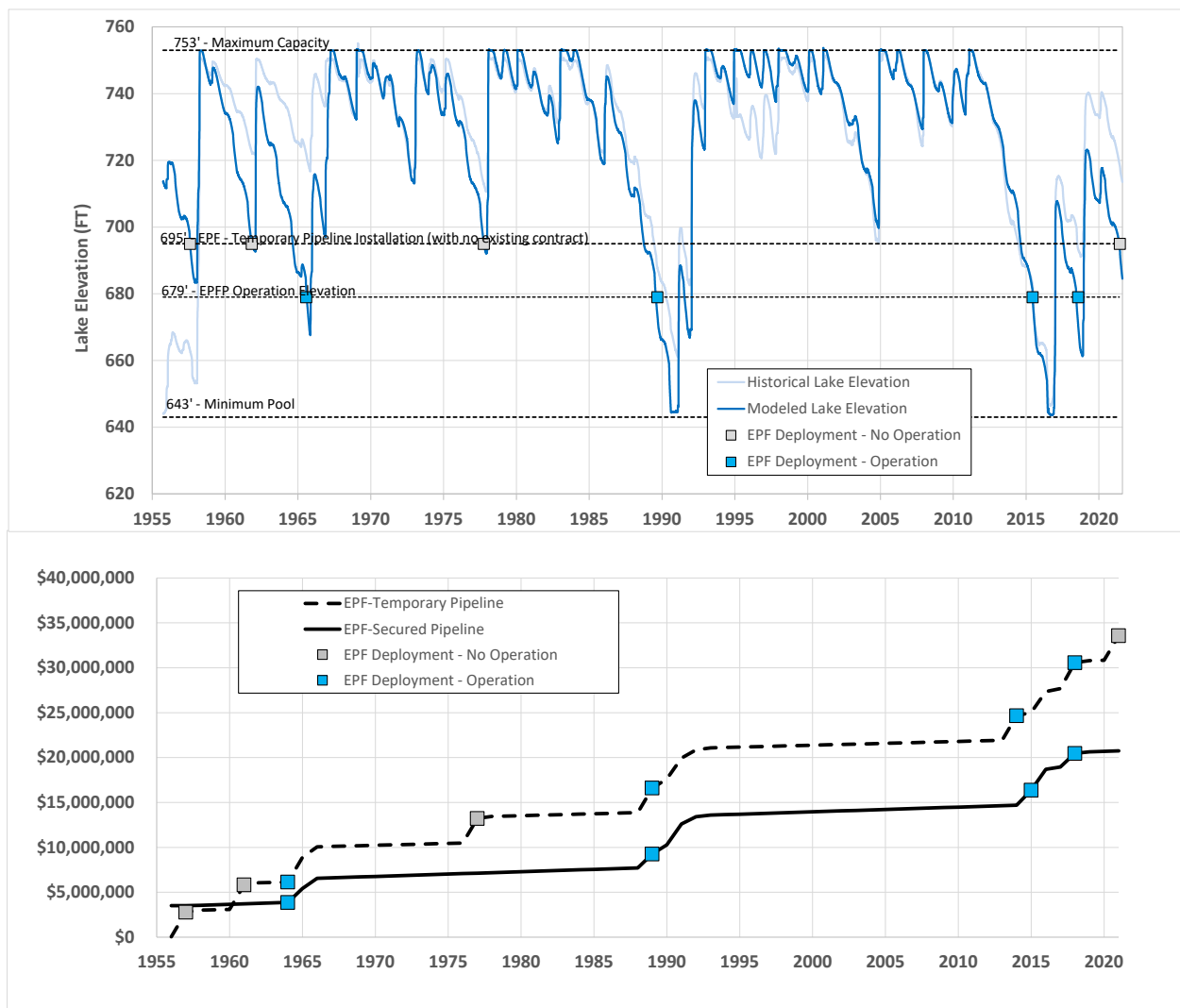
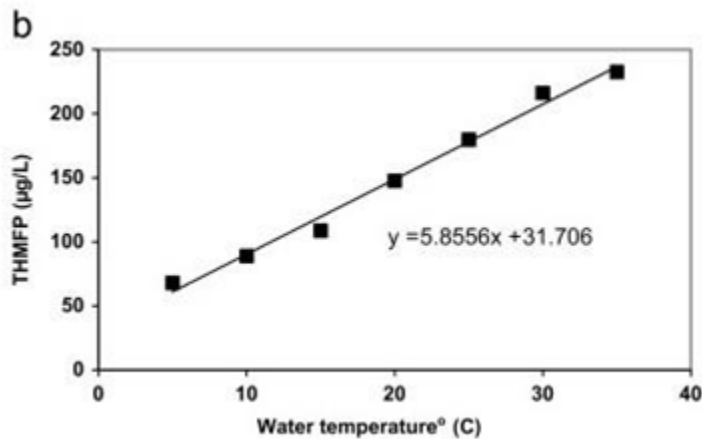


Figure 3. Projected Lake Elevations (using Hydrology from 1955-2021) and Projected Emergency Pumping Facility Costs

ADDITIONAL WATER QUALITY BENEFITS

When the Secured Pipeline is not connected to the pump station it would be operated as the Gate 5 intake with a sill at 660' in elevation. This would allow water to be drafted 18-feet deeper in Lake Cachuma than currently is possible. One data-supported water quality benefit from being able to draft deeper water is related to trihalomethane (THM) formation potential. Deeper parts of the lake are colder (by approximately 1 to 5 °C), especially during hot summer months when the lake is stratified and drafting gates are below the thermocline. The alternate screened gravity intake component of the Secured Pipeline Project would allow deeper parts of the lake to be accessed, allowing cold water to be drafted for longer periods as lake elevations decrease. Generally, an increase in temperature will accelerate the reaction rate leading to disinfection byproducts in finished water. In the published literature, a strong linear relationship was observed between Trihalomethane Formation Potential (THMFP) and water temperature (Ramavandi et al., 2015). Based on this linear relationship, a decrease in temperature of 1 to 5 °C could reduce THMFP by 5 to 29 µg/L. In general, the ability to draft colder water is expected to benefit treatment plant operations in their management of THM and disinfection byproducts by decreasing costs of treatment.



FISCAL IMPACTS:

As noted in Table 3 above, the initial one-time financial investment in the Secured Pipeline infrastructure would be realized as significant long-term cost savings as compared to the costs for the second and subsequent deployments of the Emergency Pumping Facility with the Temporary pipeline.

COMMITTEE STATUS:

The Operations Committee reviewed the staff report on the estimated cost / benefit information related to the Lake Cachuma Emergency Pumping Facility Project and forwards to the Board with a recommendation to receive and file.

LIST OF EXHIBITS

N/A

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Mission Statement:

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

January 24, 2022

General Manager Report

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

Administration

- **Association of California Water Agencies (ACWA) Presidents Special Recognition Award**

Each year at the Fall Conference hosted by ACWA (virtual for 2021), the JPIA recognizes members that have a loss ratio of 20% or less in the Liability, Property, or Worker's Compensation programs. The Member's with this distinction receive the "President's Special Recognition Award" certificate for each program in which they qualify. COMB received the award (attached) for achieving a low ratio of paid claims and case reserves in the Liability Program for the period of October 1, 2017 through September 30, 2020.

- **Annual IT Consultant Meeting**

Administrative staff conducted the annual IT review meeting with our outsourced IT consultant, Turenchalk Network Services, Inc. The purpose of the meeting was to review COMB's server and network systems, identify updates to system requirements, assess current IT protocols, review data disaster recovery practices, as well as, identify potential new risks against cybersecurity threats. The discussion included a review of COMB's Cybersecurity Response Plan, recent SCADA upgrades and security protocols, backup processes, structure hierarchy, access protocols and incident reporting. Recently, Turenchalk initiated two email phishing campaigns to educate staff about potential email threats. In both cases, COMB staff passed the tests. No one clicked on the link/attachment. COMB also reviewed its IT equipment inventory with Turenchalk for any possible upgrades and/or replacement.

- **Integrated Regional Water Management Plan (IRWMP) Meeting**

Proposition 1 - Round 2 IRWMP Implementation Grant Program

The California Department of Water Resources (DWR) is administering the Round 2 Integrated Regional Water Management (IRWM) Implementation Grant solicitation using funds authorized by the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1).

DWR has released the draft guidelines and Proposal Solicitation Package (PSP) for Round 2 funding which is open for public comment through February 18, 2022. This is an extended public comment period due to the ongoing pandemic situation and in response to stakeholders' requests. Allocated funding for the Central Coast region for Round 2 is approximately \$3,331,045: \$3,028,224 for general implementation and \$302,821 for Disadvantaged Communities.

Open solicitation for projects will run from January 17th to February 17, 2022. There will be an IRWM project review sub-committee formed at the February 2022 Meeting. Entities submitting projects will not be allowed to participate on the sub-committee. The sub-committee will develop a project ranking and scoring rubric for presentation and adoption at the March meeting. All projects will be reviewed by the sub-committee in accordance with the rubric and presented at the April IRWMP meeting. If a project is not selected, project proponents will have two weeks to appeal decisions to the sub-committee for rescoring and ranking. The final project list must be adopted by the Cooperating Partners prior to preparation of the application.

Presentation from community group on Santa Barbara County Wildfire Resilience Priorities

A presentation made by Sharyn Main (Community Environmental Council) and Carl Palmer (LegacyWorks Group) (core team members of the Regional Priority Plan (RPP)) to reduce wildfire risk in Santa Barbara County provided information on regional wildfire impacts and a review of projects that are being proactively implemented.

The RPP team has identified actions that community members and leaders across multiple disciplines and sectors are taking to build community and ecosystem resilience in combating today's increasingly intense wildfires. As Santa Barbara County becomes more vulnerable to the risks of large-scale fire events given the impacts of climate change and extreme heat and drought conditions, community leaders and frontline communities have come together to find opportunities to build resilience and reduce risks. A number of efforts are underway to identify high priority opportunities for meeting the challenge of addressing fire risk in a proactive manner.

As showcased on the website (sbcwildfireresilience.org), the RPP strives to achieve several tangible outcomes towards this end:

1. Identification and prioritization of actionable projects that mitigate wildfire risk, build community capacity, and increase wildfire and climate resilience.
2. Development of a centralized database of Santa Barbara County wildfire-related data, the first-ever countywide customizable wildfire risk model, and a spatial decision support system to identify high priority areas for wildfire risk-reduction activities - all available publicly.
3. Critical though less tangible outcomes include deepening relationships, strengthening networks, and building trust among the many community partners and agencies that need to work together to build resilience.
4. Developing a pathway and proposed platform for funding and implementing collaborative projects, identifying new priorities and building the capacity needed to move projects forward.

This visionary project and plan was funded by the California Coastal Conservancy to help Santa Barbara County succinctly organize and prioritize projects, programs, and policies to address the ongoing threat of wildfires in the region.

- **Contracts Executed by the General Manager – 2nd Quarter Fiscal Year 2021-22**

Pursuant to the COMB Procurement Policy adopted by the Board, a quarterly report of all contracts executed by the General Manager for the period of October 1, 2021 through December 31, 2021 is presented for information.

Under the general procurement guidelines, Section 2 of the COMB Procurement Policy authorizes the General Manager to approve expenditures made for official Agency business up to a maximum of \$25,000, provided such expenditures are within the budget, as adopted by the Agency. Section 3(C) also provides that purchases of supplies, equipment, and non-professional services greater than \$5,000 and less than \$25,000, requires a minimum of two prices quotes be obtained and that the General Manager has authority to select and approve the vendor which meets the best interests of the Agency. Staff adheres to the Board adopted policy for the procurement of all goods and services.

Table 1 below lists all contracts executed by the General Manager for the period October 1, 2021 through December 31, 2021, sorted by execution date.

General Manager Report
 January 24, 2022

Table 1					
Contracts Executed by General Manager					
October 1, 2021 through December 31, 2021					
Vendor Name	Contract Description	Board Approved	Date Executed	Date Expires	Contract Amount
Makai Ocean Engineering	Lake Cachuma Secured Pipeline Project	10/25/2021	11/01/2021	06/30/2022	\$88,000
Flowers & Associates, Inc.	La Mirada Isolation Valve Construction Management Services	11/08/2021	11/30/2021	06/30/2022	\$52,800
CalPortland Construction	SCC AVAR/BO Rehab Project Schedules F1 & F4 Construction Services	11/08/2021	12/01/2021	02/28/2022	\$44,400
Tierra Contracting	La Mirada Isolation Valve Construction Services	11/08/2021	12/13/2021	06/30/2022	\$357,951
Cushman Contracting Corp.	SCC AVAR/BO Rehab Project Schedules F1 & F4 Construction Services	11/08/2021	12/20/2021	06/30/2022	\$388,000

Respectfully Submitted,

Janet Gingras

General Manager

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YOUR BEST PROTECTION

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President

E.G. "Jerry" Gladbach

Vice President

Tom Cuquet

Chief Executive Officer

Walter "Andy" Sells

Executive Committee

Fred Bockmiller

Tom Cuquet

David Drake

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Brent Hastey

Melody A. McDonald

Randall Reed

J. Bruce Rupp

Pamela Tobin

Core Values

- People
- Service
- Integrity
- Innovation

November 03, 2021

Cachuma Operation and Maintenance Board (C013)
3301 Laurel Canyon Road
Santa Barbara, CA 93105-2017

General Manager:

Each year at Fall Conference, the JPIA recognizes members that have a Loss Ratio of 20% or less in either of the Liability, Property, or Workers' Compensation programs (loss ratio = total losses / total premiums).

The members with this distinction receive the "**President's Special Recognition Award**" certificate for each Program that they qualify in.

The JPIA is extremely pleased to present Cachuma Operation and Maintenance Board (C013) with this special recognition and commends the District on the hard work in reducing claims.

Congratulations to you, your staff, Board, and District. Keep up the good work!

The JPIA wishes you the best in 2022.

Sincerely,

E.G. "Jerry" Gladbach
President

Enclosure: President's Special Recognition Award(s)

President's Special Recognition Award

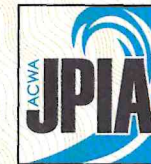
*The President of the
ACWA JPIA
hereby gives Special Recognition to*

Cachuma Operation and Maintenance Board

*for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums"
in the Liability Program for the period 10/01/2017 - 09/30/2020
announced at the Board of Directors' Meeting in Pasadena.*

E. G. "Jerry" Gladbach

E. G. "Jerry" Gladbach, President



December 15, 2021

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: January 24, 2022

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

In December 2021, several winter storms occurred which resulted in 8.33” of rainfall at Bradbury Dam and 12.44” at Gibraltar Dam for the month. As of 1/18/21, the rainfall for Gibraltar Dam is 15.28” and 165% of normal. As a result of the December storms, the U.S. Drought Monitor classification for the South Coast of Santa Barbara County was shifted by two classifications; from extreme to severe and then to moderate (as of 1/11/22). The December 2021 storms were very beneficial in reducing water demands and increasing soil moisture. However, through December 2021, the cumulative water year inflow and rainfall into Lake Cachuma has been 1,441 AF and 1,597 AF respectively. While the December storms were substantial, they have had minor improvements to the available water supplies from the Cachuma Project.

LAKE ELEVATION PROJECTION

Lake Cachuma is currently at 48.3% capacity (712.27’ in elevation and 93,421 acre-feet in storage as of 1/18/22). Figure 1 provides the lake elevation projection if dry conditions continue for the remainder of the water year and for water year 2022-23.

Parameter	Optimistic	Realistic	Conservative
SCC Exports	80% Forecast	Forecast	120% of Forecast
CCWA Inflow	120% Forecast	Forecast	80% of Forecast
WR 89-18 Release (2022)	12,000 AF	12,000 AF	17,000 AF
WR 89-18 Release (2023)	5,000 AF	8,000 AF	5,000 AF

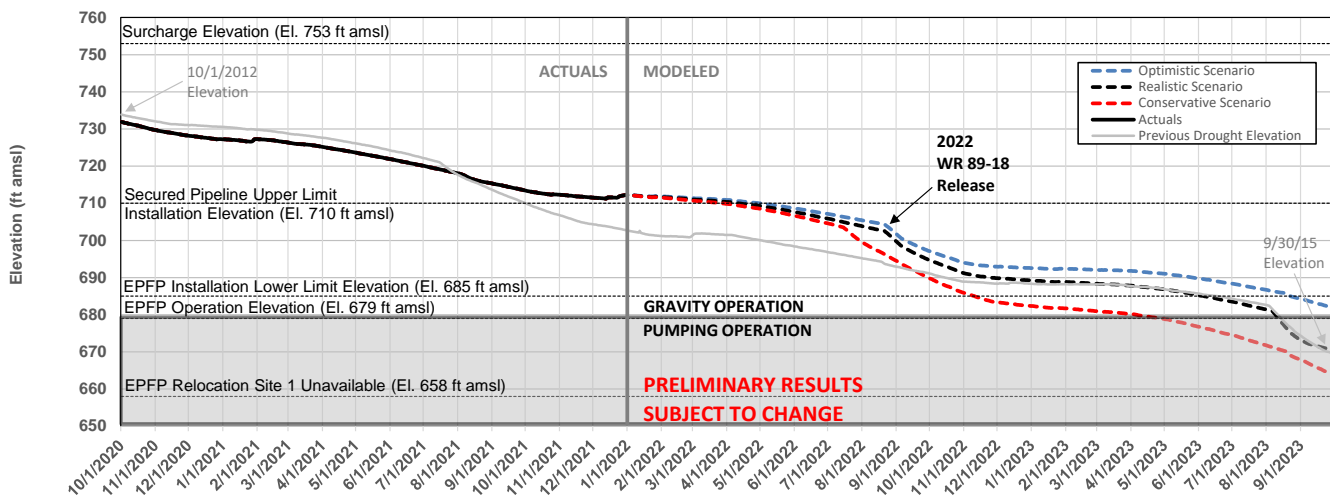


Figure 1. Projected Lake Cachuma Elevation assuming Continued Dry Conditions

If dry conditions continue, the Secured Pipeline Project could be installed in the Summer of 2022 as early as May 2022. Based on the current projections, the temporary pumping system would need to be installed in November 2022 in the conservative scenario, but may not need to be installed until the Spring 2023 in the realistic scenario.

2021 BATHYMETRIC SURVEY RESULTS

The County of Santa Barbara Water Agency contracted with MNS Engineers, Inc. (MNS) to perform the 2021 bathymetric survey of Cachuma Lake to determine the volume capacity. The survey was conducted in July and August 2021. The calculated overall loss in capacity up to the 753' contour (NGVD 1929) was 327 acre-feet between 2013 and 2021. The County provided COMB with the electronic contour files for the 2021 survey. Figure 2 provides a preliminary draft comparison of the 2013 to the 2021 survey. While the overall capacity changed by 0.15 percent, there was a significant shift in sediment from the higher elevation portion of the lake bottom to the lower elevation portions of the lake bottom.

During the 2013-2021 period, the highest inflow (27,000 AF/day) occurred on February 18, 2017 when the lake elevation was at 671' (Figure 3). These high inflows appear to have eroded through the exposed delta deposits in Santa Ynez River, Santa Cruz Creek, and Cachuma Creek (blue areas) and deposited the sediment in the deeper portions of the lake from approximately 671' to 705' in elevation (red areas). While the net overall loss in capacity was 327 AF at maximum capacity (753'), at the current elevation of 712.27', the overall reduction in storage would be 1,040 AF. This is due to the severe drought condition that was followed by the extreme inflow event which result in a large movement of sediment from the tributary deltas while they were exposed into the lake bottom as the lake rose.

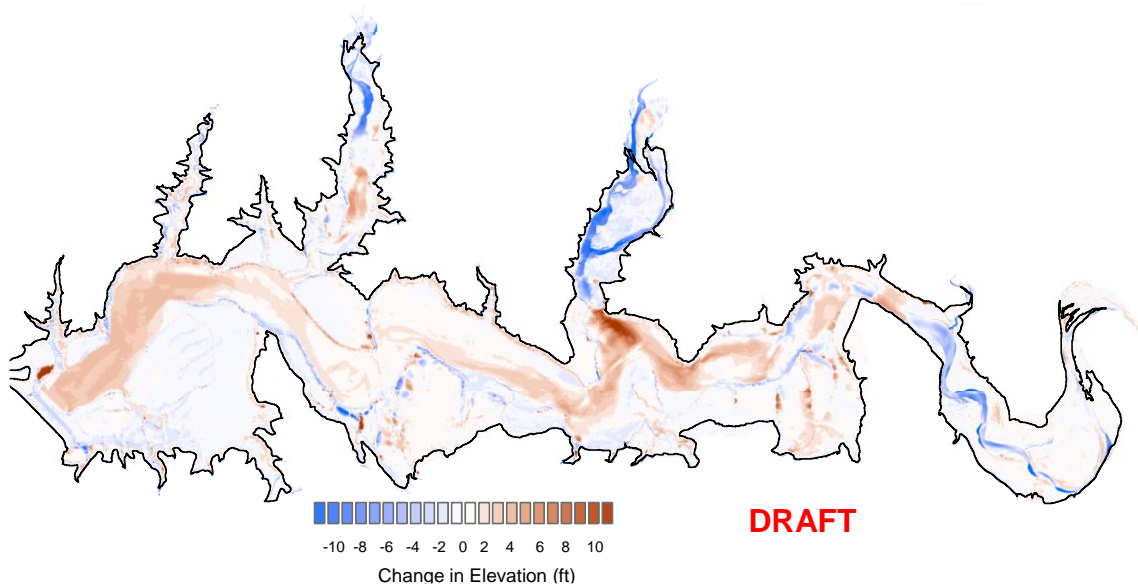


Figure 2. Change in Lake Cachuma Bathymetry between 2013 and 2021 (DRAFT)

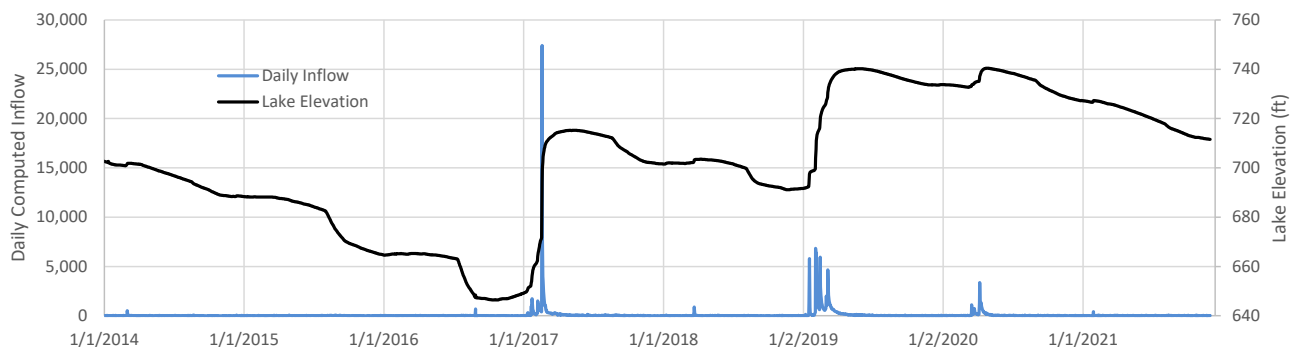


Figure 3. Lake Cachuma Daily Computed Inflow and Lake Elevation – 2014 to 2021

INFRASTRUCTURE IMPROVEMENT PROJECTS

Table 1 provides a summary of the status of Fiscal Year 2021-22 projects.

Table 1. Fiscal Year 2021-2022 Infrastructure Improvement Projects

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
Infrastructure Improvement Projects			
SCADA System	COMB entered into a contract with Aspect Engineering to replace the six remaining legacy PLCs. PLCs 2,3,4,5 and 6 have been replaced. The existing Boundary insertion meter is incompatible with the hardware to upgrade the PLC 9. COMB is evaluating options in replacing the insertion meter to allow the PLC 9 upgrade.	COMB SCADA system was installed in 2004 and existing hardware is obsolete and in need of replacement. PLC replacements will require coordination with COMB's Member Agencies.	PLC upgrades are planned to be completed by 2022.
COMB Building and Ground Repair	New fisheries and admin modular offices have been installed by API. COMB operations staff has re-constructed the walkway, ramp, and stairs between the offices. API is currently constructing the Reception Building which should be completed in spring 2022.	COMB modular offices will be replaced in-kind to limit complexity and challenges of construction.	Admin and Fisheries building completed. Reception building in progress planned to be installed in Spring/Summer 2022.
SCC Line Valves for Shutdown	COMB awarded the contract for construction. The contractor is preparing submittals and waiting on a double permit from Caltrans to proceed with the project. Supply chain issues may impact/delay the original project schedule.	Additional line valve(s) are needed in Carpinteria to facilitate shutdown work. A Cooperative Agreement between CVWD and COMB has been approved by COMB and CVWD to facilitate the work.	March/April 2022
SCC Structure Rehabilitation : Lower Reach Laterals	CVWD has awarded the contract for the work and the contractor is in preparation for construction. COVID/supply chain issues may impact the original project schedule.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CVWD on this project.	Construction will depend on collaboration with CVWD and likely to commence in Feb/Mar 2022 and finish in April/May 2022.
SCC Structure Rehabilitation : AVAR/BO Valves	The Board approved the contract to rehabilitate six structures including the two remaining subgrade air vents on the SCC. Preparation work to replace flat tops and manholes will be completed in Jan/Feb. The shutdown is dependent on the completion of the La Mirada line valve and rehabilitation of 7 laterals by CVWD as part of the COMB/CVWD Cooperative Agreement.	The remaining structures to be rehabilitated are the most difficult access-wise (with several in Highway 192) and with difficult shutdowns to schedule in the Carpinteria area.	Shutdowns need to be coordinated with CVWD. Construction is currently planned for March/April 2022 but may be needed to be delayed until the Fall/Early Winter of 2022 due to delays in dependent projects.
Special Projects			
Emergency Pumping Facility - Secured Pipeline Project	For the existing EPFP system - key components of the barge are currently being stored under contract and 3600 feet of pipeline are stored at the lake shore at Lake Cachuma. Reclamation completed the NEPA review and COMB is in the process of acquiring the necessary permits from USACE, CDFW, and RWQCB. Engineering contractor is in process of preparing the bid documents.	The lake elevation is projected to remain above 685' until the Fall 2022. Installation of the EPFP is needed when the elevation is projected to fall below 685'. The Secured Pipeline Project could be installed in the Spring/Summer of 2022 if dry conditions continue.	Construction could occur in Summer of 2022 depending on lake elevations.
Watershed Sanitary Survey Update	Geosyntec completed the final survey report and submitted it to the Division of Drinking Water on October 1, 2021.	The update is a collaborative effort with COMB's member agencies, Santa Ynez, and the City of Lompoc.	Completed
Lake Cachuma Water Quality and Sediment Management Study	The Study was completed in August 2020. Phase 2 recommendations planned for this year include the Secured Pipeline Project (see above), phosphorous/TOC source study, and bathymetric survey. The 2021 bathymetric survey has been completed by the Santa Barbara County Water Agency. COMB staff plans to release the RFP for the Phase 2 phosphorous/TOC source study in February.	Additional sampling is needed to better understand nutrient and total organic sources prior to determining if additional larger actions at the lake would make sense from a cost-benefit stand point.	A focused phosphorous and TOC sourcing study by COMB is planned for FY 2021/2022.

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CACHUMA OPERATION AND MAINTENANCE BOARD

DATE: January 24, 2022
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor

RE: MONTHLY REPORT OF OPERATIONS – December 2021

The total flow from Lake Cachuma into the Tecolote Tunnel for December was 1,069.2 acre-feet, for an average daily flow of 34.49 acre-feet. Lake elevation was 711.52 feet at the beginning of December and 712.23 feet at the end of December. Lake storage increased by 1,295 acre-feet. There was 464.4 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 49.12 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Emergency Backup System was utilized and delivered 80.7 acre-feet of water to Hilton Creek for the month of December.

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)
Upper	Glen Annie Turnout (S. Portal) - Cater Water Treatment Plant	64,050	48"	2	5	32	35	18	2	115	4" - 48"	7	6,017,421
Lower	Cater Water Treatment Plant - Carpinteria Reservoir	90,910	27" - 36"	2	15	26	31	42	4	144	4" - 36"	-	3,190,171

Operations staff continue to follow the implemented physical distancing measures as a response to COVID-19. Operators utilize separate vehicles and mostly completed work that could be done by one staff member or with appropriate physical distance if multiple staff are required. Routine operation and maintenance completed during the month of December 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 74 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 anodes and rectifier data

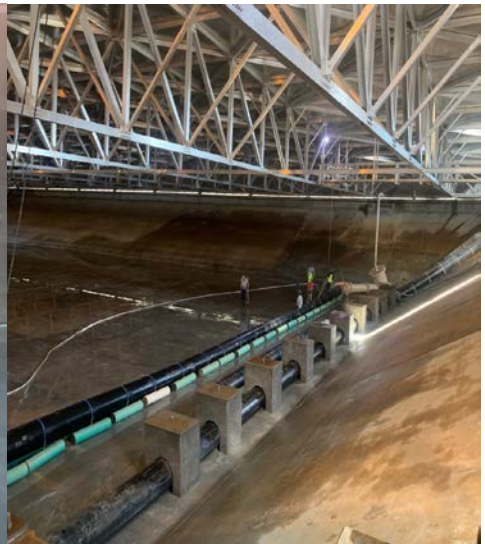
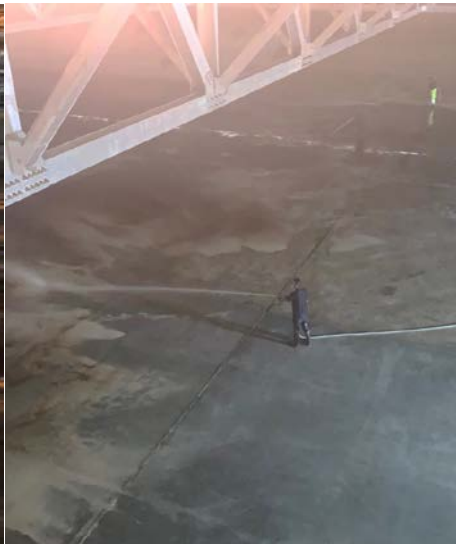
In addition regular activities described above, Operations staff performed the following:

- The fish screens for the intake tower slide gates were pulled, cleaned and inspected. During this process, the slide gates were greased and exercised.
- COMB staff installed a new insertion meter and data logger at station number 730+78 with the help of Aspect Engineering Services. This location is just downstream from the proposed line valve near the intersection of Foothill road and La Mirada drive in the Carpinteria section of the SCC. The information gathered from this meter will help determine water flow rates near the proposed line valve.
- After the recent storms, Operations staff conducted storm checks at all of COMB's facilities. This includes a visual inspection all dams, reservoirs, and Debris basins. Checking all valve pits for proper storm drain functionality, and inspecting all access roads to COMB's facilities.
- Operations staff finished building and tiling the roof between the mobile trailers and installed gutters along the roofs edge. (see photos)
- A local contractor was hired to paint the new deck hand railing and the underside of the roof, as well as all exposed wood fascia. (see photos)
- Dive/Corr conducted a dive inspection on Ortega reservoir. The diver spent the majority of 2 days inspecting along the joints and transitions at the bottom, and along the divider wall of the reservoir. He applied small amounts of food grade dye into suspected problem areas of the reservoir to make an estimation of how much water was leaking into the underdrain system. Dive/Corr returned two weeks later and applied a leak stop compound into several of the joints and concrete transitions to repair some of the larger leaking areas.
- COMB staff performed weed abatement at Lauro Reservoir. This work includes removing weeds along the interior access roads and fence lines, maintaining clearance around facilities within the reservoir boundary (i.e. the hydroelectric building, and power drops).
- Operations staff assisted the Fisheries division in planting oak trees in the Live Oak area of Cachuma lake County Park.
- Carpinteria reservoir was drained and cleaned with the help from the Fisheries division and Carpinteria water district staff. COMB staff installed a pumping system that was required to drain the reservoir to begin cleaning. The water that was pumped out of the reservoir was sent to a pond that belonged to a nearby property owner as is could not be sent down Carpinteria creek. While washing down the reservoir, the water and debris were pumped into a sedimentation tank to contain the sediment to be disposed of later. After the cleaning was complete, Carpinteria Valley Water District disinfected the reservoir and took Bac-T samples. Once the samples came back negative, the reservoir was put back into service.

Roof construction and gutter install between mobile trailers



Carpinteria reservoir cleaning



Deck railing and underside of roof painting



730+78 meter install



CACHUMA OPERATION AND MAINTENANCE BOARD
BOARD MEMORANDUM

DATE: January 24, 2022
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- USBR is delivering 2000 Biological Opinion (BiOp) target flows to Hilton Creek by gravity through the Hilton Creek Emergency Backup System (HCEBS) at approximately 1.3 cfs as of 1/19/22 to the Upper Release Point (URP) and Lower Release Point (LRP), which is sustaining the *O. mykiss* population in the creek. Currently, the lake is too low for gravity flow delivery through the Hilton Creek Watering System (HCWS). BiOp compliance releases to Hilton Creek are a minimum of 2 cfs. USBR and NMFS discussed the below target flow condition when it first occurred.
- The 2000 BiOp and Order WR 2019-0148 target flows to the Hwy 154 Bridge (2.5 cfs) are being met by USBR for the current lake level through releases from Hilton Creek and the Outlet Works to the Lower Santa Ynez River (LSYR) mainstem.

In compliance with the 2000 Cachuma Project Biological Opinion (BiOp) (NMFS, 2000) 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 steelhead/rainbow trout population and their habitat on the Lower Santa Ynez River (LSYR) 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 by categories.

LSYR Steelhead Monitoring Elements:

Thermograph Network: The thermograph network is deployed at the beginning of April and picked up at the end of December to record water temperatures at all designated locations within the LSYR mainstem and several tributaries. The thermograph network has been deployed in the LSYR mainstem and its tributaries. Thermographs are downloaded monthly and the results are summarized in the Annual Monitoring Report.

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 considered to be 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 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.

Snorkel surveys: Snorkel surveys for *O. mykiss* and non-native fish are conducted two times a year (spring and fall). The Spring Snorkel Survey was completed in June and the Fall

Snorkel Survey was completed on 11/18/21. The results are presented in the annual monitoring report.

Beaver Dam Surveys: The annual Beaver Dam survey takes place in the late fall and early winter 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 November and should be completed in January. The results will be reported in the Annual Monitoring Summary/Report.

Redd Surveys: Redd surveys are conducted approximately every two weeks from mid-January through May. 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 Plan.

Migrant Trapping: The 2022 Migrant Trapping Plan was provided to Reclamation in December who then submitted it to NMFS. This monitoring effort normally begins in January and continues through May depending on streamflow rates. The results are presented in the Annual Monitoring Summary. The Hilton Creek and Salsipuedes Creek traps will be installed soon depending on the weather and streamflow conditions. The LSYR Mainstem Trap will be installed when stormflow enables fish passage or in association with the Passage Supplementation Program if that program is initiated. Traps are removed during high flow events for safety of the staff, fishery and equipment, or if flows are too low to enable migration. The Santa Ynez River Lagoon currently is closed and is routinely monitored. Results of the trapping program are presented in the Annual Monitoring Report.

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 and USBR for the LSYR at the Hwy 154 Bridge. The minimum target flow of 2 cfs to Hilton Creek is not currently being met with HCEBS gravity flow to the URP and LRP, with a release rate of approximately 1.3 cfs. USBR is reluctant to run any level of pumps to deliver water to the creek given past operational issues and recent power outages at Bradbury Dam. There is still sufficient discharge at the URP to sustain the fishery from there to the LRP as well as down to the confluence of the creek with the LSYR mainstem. The upper reach will become more of a concern as lake levels drop during the rest of the dry season. USBR has discussed the situation with NMFS when it initially occurred and it was agreed at the time to continue with gravity flow instead of going to pumps which have proven multiple times to be problematic in sustaining the Hilton Creek fishery.

Documenting compliance in meeting target flows at the Hwy 154 Bridge (2.5 cfs) cannot be done at that specific location due to the channel configuration and landowner access limitations. USBR established a low-flow river discharge monitoring location approximately 1 mile downstream of the Hwy 154 Bridge where access is available. USBR has been taking a discharge measurement approximately once a month and the COMB-FD staff are taking a discharge measurement once a week; we also maintain a pressure transducer at that location to record river stage every 15 minutes. This is part of a compliance measure within WR 2019-0148, specifically the Plan required in Term 18 and Term 25. The objective is to maintain a river discharge at that monitoring location of 2.5 cfs or greater (at the current lake elevation) which follows Reclamations established operational protocols for meeting required target flows at the Hwy 154 Bridge upstream. The objective was challenging to meet at all

times in May, June, and July due to many factors influencing streamflow between the release point at Bradbury Dam and the monitoring location (i.e., weather changes, varying riparian corridor vegetation and substrate composition, land use practices, alluvial groundwater extraction, etc.). Reclamation is operating within acceptable discharge parameters given the challenging factors and access barriers. COMB-FD continues to take weekly measurements as requested by USBR.

Tributary Project Updates:

All planned projects have been successfully completed.

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

HCWS and HCEBS: The HCWS and HCEBS are owned, operated, and maintained by USBR. The HCEBS was completed at the end of January 2016. USBR technical staff continues to consider improvement options for the HCWS. Currently USBR is delivering water to Hilton Creek through the HCEBS by gravity flow to the URP and LRP.

The HCEBS delivery floating pipeline across the Stilling Basin was removed on 2/5/20 and then reinstalled between 3/2/21 and 3/4/21. USBR successfully replaced two malfunctioning valves associated with the HCEBS on 5/12/21.

On 6/8/21, USBR activated the HCEBS on gravity flow to the URP. For a time, both the HCWS and HCEBS provided gravity flow to the URP. As the lake level dropped, more water came from the HCEBS until the HCWS stopped flowing water approximately at the end of July. Now all release water to Hilton Creek comes through the HCEBS by gravity flow to the URP and LRP.

After observing water leaking out of the HCEBS flowing pipeline, USBR with assistance from COMB-FD on 9/30/21 and 11/18/21 tightened the flanges on all pipe segment connections and the leaking appeared to stop resulting in more water delivery to Hilton Creek. No further maintenance is planned for that system.

No maintenance was conducted to our knowledge on the HCWS or the HCEBS over the course of the last month.

Surcharge Water Accounting:

The following table summarizes the amount of surcharge water used to date from each of the three accounts 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 was 5/27/11, or the day following the last day of full surcharge and end of the last spill event. As of May 2012, all of the fish rearing account has been used and USBR is now using Project water to meet BiOp target flows. Water Right (WR 89-18) release durations since 2013 are noted as follows: 7/15/13 - 12/2/13, 8/18/14 - 11/11/14, 8/3/15 - 9/26/15, 7/12/16 - 8/29/16, 8/21/17 - 11/8/17, 8/6/18 - 9/12/18, 8/31/20 - 11/30/20, and 8/2/21 - 10/22/21. There were no WR 89-18 releases in 2019. During these releases, no fish rearing releases are debited as WR 89-18 releases are used conjunctively with fish flows under the Cachuma Project Settlement Agreement. The Adaptive Management Committee (AMC) called for two releases from the Adaptive Management Account (AMA), 35 acre-feet in October 2012 and 114 acre-feet in June 2013. The remaining amount in the AMA is 351 acre-feet. All of the Fish Passage Supplementation Account

(FPSA) has been used as of WY2019; all additional releases for fish passage are from Unallocated Project Water as determined by USBR.

Table 1: Summary of the surcharge water accounting and use of Project Yield as of the day after the end of the last spill event and full surcharge (5/27/11).

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage Supplementation			
WY2019	3,200	3,307	-107
WY2020	0	2,558	-2,558
Adaptive Management	500	149	351
Fish Rearing***	8,684	8,684	0
Unallocated Project Water		25,524	
Total:	9,184	40,222	-2,314
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 12/31/21.			
*** 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 WY2021 Annual Monitoring Report/Summary.

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

Consultant Activity Summary:

HDR Fisheries Design Center (Mike Garello and Shaun Bevan) – HDR staff conducted the annual performance evaluations at completed tributary enhancement projects. The data analyses and write-up are forthcoming.

Kenneth A. Knight Consulting (Ken Knight) – Mr. Knight assisted in selecting placement of new oak trees for the Year 13 planting effort. That project will be completed by the end of January.

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	January 24, 2022
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

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

RECOMMENDATION:

For Board information only.

SUMMARY:

Maintenance

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since January, 2021 to the present (1/1/21 – 1/24/22, Table 1). Labor and expenses for the entire fiscal year (July 2020 - June 2021) as well as water usage will be tracked separately and reported as necessary as recommended by the Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division seasonal employees to conduct the majority of 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 2020 Annual Report with the annual inventory and Fiscal Year 2020-21 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 9/2/21 and provided to the COMB Board on 9/27/21 that recommended going forward with planting another 300 oak trees and replacing 80 dead oak trees during the wet season of this water year.

Table 1: Cachuma Oak Tree Program completed tasks since January, 2021.

	Jan 2021 ¹	Feb 2021 ¹	March 2021 ¹	April 2021	May 2021	June 2021	July 2021	Aug 2021	Sept 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022
Year 13 Oaks (2021-2022)											New Trees Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated	New Trees QA/QC Tree Tags	New Trees QA/QC Tree Tags
Year 12 Oaks (2020-2021)	New Trees Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated	QA/QC Tree Tags	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded			
Year 11 Oaks (2019-2020)	Irrigated Weeded			Irrigated Weeded	Irrigated Weeded		Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded			
Year 10 Oaks (2018-2019)	Irrigated Weeded			Irrigated Weeded	Irrigated Weeded			Irrigated Weeded		Irrigated Weeded			
Year 9 Oaks (2016-2017)								Irrigated Weeded	Irrigated Weeded	Irrigated Weeded		Irrigated Weeded	
Year 8 Oaks (2015-2016)					Irrigated Weeded	Irrigated Weeded							
Year 7 Oaks (2014-2015)													
Year 6 Oaks (2005-2011)													

¹ Oak tree inventory.

Annual Inventory and Report

Santa Barbara County Parks (SBCP) maintains and operates Live Oak Camp, a 40 acre campsite and large event venue located just upstream of Lake Cachuma on the Santa Ynez River. This site was chosen as the Year 13 planting zone due to its proximity to the lake, SBCP's recommendation, COMB's working relationship with SBCP and the need for new trees at this popular destination. The COMB Fisheries Division with assistance from the COMB Operations Division continued to plant Year 13 trees in January at Live Oak Camp.

Working in collaboration with Ken Knight and his tree planting efforts at Live Oak Camp, approximately 375 oak trees have been planted to date at Live Oak Camp. The Operations Division used the COMB backhoe to dig holes while the Fisheries Division staff planted oak trees using gopher baskets, compost, fertilizer, mulch, tree stakes and caging. Mulch was spread by staff on new trees. Mulch is being provided for free by SBCP and being delivered via the COMB dump truck. Once trees were in the ground and mulched, they were heavily irrigated by the Fisheries Division.

The Fisheries Division will be completing the new tree infrastructure (staking, caging and tree tags) through the end of this month. Much of the cage material is coming from recycled cages from trees that have outgrown their cages in other planting zones. This is a great way to reuse material and keep expenditures at a minimum.

LIST OF EXHIBITS:



Exhibit 1: Year 13 planting effort in Live Oak Camp showing the planting process at the top terrace of the Camp area.

CACHUMA OPERATION AND MAINTENANCE BOARD
METERED USE REPORT FOR NOVEMBER 2021

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
CARPINTERIA WATER DISTRICT			GOLETA WATER DISTRICT		
Boundary Meter - East		53.37	18+62	G. WEST	74.58
Boundary Meter - West		(0.03)	78+00	Corona Del Mar FILTER Plant	529.36
			122+20	STOW RANCH	0.00
				SWP CREDIT (Warren Act Contract)	(127.00)
				Raytheon (SWP) (Warren Act Contract)	(2.00)
				Morehart (SWP) (Warren Act Contract)	(2.00)
			TOTAL		472.94
			MONTECITO WATER DISTRICT		
			260+79	BARKER PASS	47.25
			386+65	MWD YARD	1.83
			487+07	VALLEY CLUB	0.30
			499+65	E. VALLEY-ROMERO PUMP	146.64
			510+95	MWD PUMP (SWD)	12.20
			510+95	ORTEGA CONTROL	12.83
			526+43	ASEGRA RD	0.13
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.00
			599+27	TORO CANYON	5.71
				SWP CREDIT (Warren Act Contract)	0.00
			TOTAL		226.90
			CITY OF SANTA BARBARA		
			CATER	INFLOW	877.52
			Gibraltar	PENSTOCK	(46.05)
			CATER	SO. FLOW	(444.97)
			Sheffield	SHEF.LIFT	133.62
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre (SWP) (Warren Act Contract)	(2.66)
			TOTAL		517.46
			SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1		
			COUNTY PARK, ETC		1.31
			TOTAL		1.31
			BREAKDOWN OF DELIVERIES BY TYPE:		
			STATE WATER DELIVERED TO LAKE		620.00
			STATE WATER TO SOUTH COAST including from stored		187.00
			METERED DIVERSION		1,218.61
SWP CREDIT (Warren Act Contract) (53.34) TOTAL 0.00					
Note: Meter reads were taken on: 11/30/2021					

WATER YEAR 21-22 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF NOVEMBER 2021 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT		
WATER PRODUCTION:	MONTH	WYTD
Cachuma Lake (Tec. Diversion)	1,332.0	3,182.7
Tecolote Tunnel Infiltration	54.4	122.8
Cachuma Lake (County Park)	1.3	2.7
Subtotal - Water Production	1,387.7	3,308.2
WATER DELIVERIES:		
State Water Diversion	187.0	597.6
Cachuma Diversion	1,218.6	2,658.8
Storage gain/(loss) ⁽²⁾	2.7	65.7
Subtotal - Water Deliveries	1,408.3	3,322.1
Total Water Production	1,387.7	3,308.2
Total Water Deliveries	1,408.3	3,322.1
Difference = Apparent Water Loss	(20.6)	(13.9)
% Apparent Water Loss	-1.48%	-0.42%

SCC APPARENT WATER LOSS ALLOCATION (AWL) ⁽³⁾

	GWD	SB CITY	MWD	CVWD	TOTAL
<u>CURRENT MONTH CHARGE / (ADJUSTMENT)</u>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total Current Month	0.0	0.0	0.0	0.0	0.0
<u>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</u>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total AWL Charged (WYTD)	0.0	0.0	0.0	0.0	0.0
Total AWL Not Charged (WYTD)					(13.9)
Total AWL Incurred (WYTD)					(13.9)

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
<u>CURRENT MONTH</u>						
Water Usage						
M&I	376.0	517.5	211.0	0.0	1.3	1,105.8
Agricultural	97.0	0.0	15.9	0.0	N/A	112.8
Subtotal Project Water Use	472.9	517.5	226.9	0.0	1.3	1,218.6
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	28.3	84.9	11.3	9.1	10.2	143.9
Total Project Water Charge	501.2	602.4	238.2	9.1	11.5	1,362.5
<u>WATER YEAR-TO-DATE</u>						
Water Usage						
M&I	788.3	1,156.6	448.3	0.0	2.7	2,395.8
Agricultural	227.1	0.0	35.8	0.0	N/A	263.0
Subtotal Project Water Use	1,015.4	1,156.6	484.1	0.0	2.7	2,658.8
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	91.2	265.1	36.9	27.9	31.3	452.3
Total Project Water Charge (*)	1,106.6	1,421.7	521.0	27.9	34.0	3,111.1

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

WATER YEAR 21-22 CACHUMA PROJECT ALLOCATION
CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF NOVEMBER 2021 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾
 (All in rounded Acre Feet)

CACHUMA PROJECT WATER BALANCE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
Project Water Carryover - 10/1/2021	7,321.6	20,525.9	2,994.6	2,103.3	2,361.5	35,307.0
Transfers/Adjustment	0.0	0.0	0.0	0.0	0.0	0.0
(-) Project Water Charge (WYTD)	1,106.6	1,421.7	521.0	27.9	34.0	3,111.1
Balance Carryover Water	6,215.1	19,104.3	2,473.6	2,075.5	2,327.6	32,196.0
Current Year Allocation ⁽⁵⁾	6,525.0	5,794.0	1,856.0	1,969.0	1,856.0	18,000.0
(-) Balance of Project Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Net Allocation Available Before Adjustments	6,525.0	5,794.0	1,856.0	1,969.0	1,856.0	18,000.0
<u>Adjustments to Net Allocation (WYTD)</u>						
Carryover Balances Spilled	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
State Water Exchange ⁽⁶⁾	61.0	41.0	0.0	27.0	(129.0)	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
Balance Current Year Allocation	6,586.0	5,835.0	1,856.0	1,996.0	1,727.0	18,000.0
Total Cachuma Project Water Available	12,801.1	24,939.3	4,329.6	4,071.5	4,054.6	50,196.0

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, 70% allocation to Member Agencies, effective 10/1/21
- (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 November 2021.
- (7) Memo only - State Water Deliveries to Lake Cachuma for November was 620 AF.

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **NOVEMBER 2021**

GLEN ANNIE RESERVOIR ⁽¹⁾

Capacity at 385' elevation:	335	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	333.0	Feet
Water in Storage	21.04	AF

LAURO RESERVOIR

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	547.4	Feet
Water in Storage	471.66	AF

ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	454.2	Feet
Water in Storage	44.06	AF

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	374.8	Feet
Water in Storage	23.06	AF

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

Change in Storage	538.78	AF
	-9.30	AF

CACHUMA RESERVOIR

Capacity at 750' elevation: ⁽²⁾	184,121	AF
Capacity at sill of tunnel 660' elevation:	24,281	AF

Stage of Reservoir Elevation	711.54	Feet
Water in Storage	92,050	AF
Surface Area	1,864	Acres
Evaporation	298.9	AF
Inflow	96.1	AF
Downstream Release WR8918	0.0	AF
Fish Release (Hilton Creek)	78.2	AF
Outlet	469.0	AF
Spill/Seismic Release	0	AF
State Water Project Water	604.2	AF
Change in Storage	-1,483	AF
Tecolote Diversion	1,354.7	AF

Rainfall: Month: 0.12 Season: 1.91 Percent of Normal: 72%

(1) Glen Annie Reservoir is currently offline and excluded from Total Storage in Reservoirs amount.

(2) In 2004, flashboard installation raised Cachuma Reservoir max elevation to 753' (193,305 AF); surcharge water reserved for fish releases.

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Goleta Water District**
 Update by COMB 11/30/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	7,321.6	6,525.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	7,321.6	6,525.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
412.3	130.2	542.4	62.9	542.4	605.3	456.3	149.0	-
376.0	97.0	472.9	28.3	472.9	501.2	395.7	105.6	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
788.3	227.1	1,015.4	91.2	1,015.4	1,106.6	852.0	254.6	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	7,321.6	5,130.0	2,191.7	5,073.5	1,451.5	6,525.0
ID#1 Exch (+61AF)	-	-	-	40.9	20.1	61.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	6,716.3	4,673.6	2,042.7	5,114.4	1,471.6	6,586.0
Nov	6,215.1	4,278.0	1,937.1	5,114.4	1,471.6	6,586.0
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **12,801.1**

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **City of Santa Barbara**
 Update by COMB 11/30/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	20,525.9	5,794.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	20,525.9	5,794.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation			Allocation			Total	
M & I	Agr	Total	Evap	Used	Total	M & I	-----	M & I	-----	Total
639.1	-	639.1	180.2	639.1	819.3	819.3	-	-	-	-
517.5	-	517.5	84.9	517.5	602.4	602.4	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,156.6	-	1,156.6	265.1	1,156.6	1,421.7	1,421.7	-	-	-	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation	
		M & I	-----	M & I	-----
Begin Bal	20,525.9	20,525.9	-	5,794.0	-
ID#1 Exch (+41AF)	-	-	-	41.0	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation	
		M & I	-----	M & I	-----
	19,706.7	19,706.7	-	5,835.0	-
	19,104.3	19,104.3	-	5,835.0	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 24,939.3

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Montecito Water District**
 Update by COMB 11/30/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,994.6	1,856.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,994.6	1,856.0

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
237.2	20.0	257.2	25.6	257.2	282.8	255.1	27.6	-	-	-
211.0	15.9	226.9	11.3	226.9	238.2	218.7	19.5	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
448.3	35.8	484.1	36.9	484.1	521.0	473.9	47.1	-	-	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,994.6	2,096.5	898.0	1,571.0	285.0	1,856.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
	2,711.8	1,841.4	870.4	1,571.0	285.0	1,856.0
	2,473.6	1,622.7	850.9	1,571.0	285.0	1,856.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 4,329.6

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Carpinteria Valley Water District**
 Update by COMB 11/30/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,103.3	1,969.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,103.3	1,969.0

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
-	-	-	18.8	-	18.8	9.7	9.1	-	-	-
-	-	-	9.1	-	9.1	4.8	4.3	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	27.9	-	27.9	14.5	13.4	-	-	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

SCHEDULE AND REVISIONS				SCHEDULE AND REVISIONS			
Month	Total	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Begin Bal	2,103.3	1,085.4	1,017.9	984.5	984.5	1,969.0	
ID#1 Exch (+27AF)	-	-	-	18.1	8.9	27.0	
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	2,084.6	1,075.7	1,008.8	1,002.6	993.4	1,996.0	
Nov	2,075.5	1,070.9	1,004.5	1,002.6	993.4	1,996.0	
Dec	-	-	-	-	-	-	
Jan	-	-	-	-	-	-	
Feb	-	-	-	-	-	-	
Mar	-	-	-	-	-	-	
Apr	-	-	-	-	-	-	
May	-	-	-	-	-	-	
Jun	-	-	-	-	-	-	
Jul	-	-	-	-	-	-	
Aug	-	-	-	-	-	-	
Sep	-	-	-	-	-	-	

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **4,071.5**

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**
 Update by COMB 11/30/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,361.5	1,856.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,361.5	1,856.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
1.4	-	1.4	21.1	1.4	22.4	3.7	18.8	-
1.3	-	1.3	10.2	1.3	11.5	2.4	9.1	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
2.7	-	2.7	31.3	2.7	34.0	6.1	27.9	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
	Total	Allocation		Allocation		Total
Month		M & I	Agr	M & I	Agr	
Begin Bal	2,361.5	254.5	2,107.0	965.0	891.0	1,856.0
ID#1 Exch (-129AF)	-	-	-	(86.4)	(42.6)	(129.0)
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
County Parks Usage (AF)	Total	Allocation		Allocation		Total
Month		M & I	Agr	M & I	Agr	
Oct	1.4	250.9	2,088.2	878.6	848.4	1,727.0
Nov	1.3	248.5	2,079.1	878.6	848.4	1,727.0
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 4,054.6

CACHUMA OPERATION AND MAINTENANCE BOARD
METERED USE REPORT FOR DECEMBER 2021

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
CARPINTERIA WATER DISTRICT			GOLETA WATER DISTRICT		
Boundary Meter - East		100.44	18+62	G. WEST	33.49
Boundary Meter - West		(0.02)	78+00	Corona Del Mar FILTER Plant	502.68
			122+20	STOW RANCH	0.00
				SWP CREDIT (Warren Act Contract)	(388.00)
				Raytheon (SWP) (Warren Act Contract)	(4.00)
				Morehart (SWP) (Warren Act Contract)	(6.00)
			TOTAL		138.18
			MONTECITO WATER DISTRICT		
			260+79	BARKER PASS	24.87
			386+65	MWD YARD	6.45
			487+07	VALLEY CLUB	0.00
			499+65	E. VALLEY-ROMERO PUMP	65.77
			510+95	MWD PUMP (SWD)	5.78
			510+95	ORTEGA CONTROL	6.82
			526+43	ASEGRA RD	0.00
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.00
			599+27	TORO CANYON	3.91
				SWP CREDIT (Warren Act Contract)	0.00
			TOTAL		113.60
			CITY OF SANTA BARBARA		
			CATER	INFLOW	662.57
			Gibraltar	PENSTOCK	(49.12)
			CATER	SO. FLOW	(324.73)
			Sheffield	SHEF.LIFT	94.21
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre (SWP) (Warren Act Contract)	(3.56)
			TOTAL		379.37
			SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1		
			COUNTY PARK, ETC		1.13
			TOTAL		1.13
			BREAKDOWN OF DELIVERIES BY TYPE:		
			STATE WATER DELIVERED TO LAKE		441.00
			STATE WATER TO SOUTH COAST including from stored		501.99
			METERED DIVERSION		632.28
			SWP CREDIT (Warren Act Contract) (100.43)		
			TOTAL		0.00
Note:			Meter reads were taken on: 12/30/2021		

WATER YEAR 21-22 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF DECEMBER 2021 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT		
WATER PRODUCTION:	MONTH	WYTD
Cachuma Lake (Tec. Diversion)	1,054.5	4,237.2
Tecolote Tunnel Infiltration	84.9	207.7
Cachuma Lake (County Park)	1.1	3.8
Subtotal - Water Production	1,140.5	4,448.7
WATER DELIVERIES:		
State Water Diversion	502.0	1,099.6
Cachuma Diversion	632.3	3,291.1
Storage gain/(loss) ⁽²⁾	(1.4)	64.3
Subtotal - Water Deliveries	1,132.9	4,455.0
Total Water Production	1,140.5	4,448.7
Total Water Deliveries	1,132.9	4,455.0
Difference = Apparent Water Loss	7.6	(6.3)
% Apparent Water Loss	0.67%	-0.14%

SCC APPARENT WATER LOSS ALLOCATION (AWL) ⁽³⁾

	GWD	SB CITY	MWD	CVWD	TOTAL
<u>CURRENT MONTH CHARGE / (ADJUSTMENT)</u>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total Current Month	0.0	0.0	0.0	0.0	0.0
<u>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</u>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total AWL Charged (WYTD)	0.0	0.0	0.0	0.0	0.0
Total AWL Not Charged (WYTD)					(6.3)
Total AWL Incurred (WYTD)					(6.3)

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
<u>CURRENT MONTH</u>						
Water Usage						
M&I	111.7	379.4	106.2	0.0	1.1	598.4
Agricultural	26.5	0.0	7.4	0.0	N/A	33.9
Subtotal Project Water Use	138.2	379.4	113.6	0.0	1.1	632.3
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	12.3	38.0	4.9	4.2	4.7	64.0
Total Project Water Charge	150.5	417.4	118.5	4.2	5.8	696.3
<u>WATER YEAR-TO-DATE</u>						
Water Usage						
M&I	899.9	1,535.9	554.5	0.0	3.8	2,994.2
Agricultural	253.7	0.0	43.2	0.0	N/A	296.9
Subtotal Project Water Use	1,153.6	1,535.9	597.7	0.0	3.8	3,291.1
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	103.5	303.1	41.8	32.0	35.9	516.3
Total Project Water Charge (*)	1,257.1	1,839.0	639.5	32.0	39.8	3,807.4

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

WATER YEAR 21-22 CACHUMA PROJECT ALLOCATION
CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF DECEMBER 2021 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾

(All in rounded Acre Feet)

CACHUMA PROJECT WATER BALANCE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
Project Water Carryover - 10/1/2021	7,321.6	20,525.9	2,994.6	2,103.3	2,361.5	35,307.0
Transfers/Adjustment	0.0	0.0	0.0	0.0	0.0	0.0
(-) Project Water Charge (WYTD)	1,257.1	1,839.0	639.5	32.0	39.8	3,807.4
Balance Carryover Water	6,064.6	18,686.9	2,355.1	2,071.3	2,321.8	31,499.6
Current Year Allocation ⁽⁵⁾	6,525.0	5,794.0	1,856.0	1,969.0	1,856.0	18,000.0
(-) Balance of Project Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Net Allocation Available Before Adjustments	6,525.0	5,794.0	1,856.0	1,969.0	1,856.0	18,000.0
<u>Adjustments to Net Allocation (WYTD)</u>						
Carryover Balances Spilled	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
State Water Exchange ⁽⁶⁾	61.0	41.0	0.0	27.0	(129.0)	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
Balance Current Year Allocation	6,586.0	5,835.0	1,856.0	1,996.0	1,727.0	18,000.0
Total Cachuma Project Water Available	12,650.6	24,521.9	4,211.1	4,067.3	4,048.8	49,499.6

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, 70% allocation to Member Agencies, effective 10/1/21
- (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 December 2021.
- (7) Memo only - State Water Deliveries to Lake Cachuma for December was 441 AF.

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **DECEMBER 2021**

GLEN ANNIE RESERVOIR ⁽¹⁾

Capacity at 385' elevation:	335	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	333.0	Feet
Water in Storage	21.04	AF

LAURO RESERVOIR

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	548.1	Feet
Water in Storage	485.06	AF

ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	450.0	Feet
Water in Storage	29.30	AF

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	376.1	Feet
Water in Storage	25.92	AF

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

Change in Storage	540.28	AF
	1.50	AF

CACHUMA RESERVOIR

Capacity at 750' elevation: ⁽²⁾	184,121	AF
Capacity at sill of tunnel 660' elevation:	24,281	AF
Stage of Reservoir Elevation	712.23	Feet
Water in Storage	93,345	AF
Surface Area	1,881	Acres
Evaporation	136.4	AF
Inflow	1,193.2	AF
Downstream Release WR8918	0.0	AF
Fish Release (Hilton Creek)	80.7	AF
Outlet	372.0	AF
Spill/Seismic Release	0	AF
State Water Project Water	464.4	AF
Change in Storage	1,295	AF
Tecolote Diversion	1,069.2	AF

Rainfall: Month: 8.33 Season: 10.24 Percent of Normal: 180%

(1) Glen Annie Reservoir is currently offline and excluded from Total Storage in Reservoirs amount.

(2) In 2004, flashboard installation raised Cachuma Reservoir max elevation to 753' (193,305 AF); surcharge water reserved for fish releases.

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Goleta Water District**
 Update by COMB 12/31/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	CARRYOVER WATER						CURRENT YEAR ALLOCATION				
			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
Oct	7,321.6	6,525.0	412.3	130.2	542.4	62.9	542.4	605.3	456.3	149.0	-	-	-
Nov	-	-	376.0	97.0	472.9	28.3	472.9	501.2	395.7	105.6	-	-	-
Dec	-	-	111.7	26.5	138.2	12.3	138.2	150.5	120.2	30.4	-	-	-
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	7,321.6	6,525.0	899.9	253.7	1,153.6	103.5	1,153.6	1,257.1	972.1	284.9	-	-	-

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					
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	7,321.6	5,130.0	2,191.7	5,073.5	1,451.5	6,525.0
Oct	-	-	-	40.9	20.1	61.0
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER				BALANCE - CURR YR ALLOC			
	Total	Allocation		Allocation		Total		
		M & I	Agr	M & I	Agr			
Oct	6,716.3	4,673.6	2,042.7	5,114.4	1,471.6	6,586.0		
Nov	6,215.1	4,278.0	1,937.1	5,114.4	1,471.6	6,586.0		
Dec	6,064.6	4,157.8	1,906.8	5,114.4	1,471.6	6,586.0		
Jan	-	-	-	-	-	-		
Feb	-	-	-	-	-	-		
Mar	-	-	-	-	-	-		
Apr	-	-	-	-	-	-		
May	-	-	-	-	-	-		
Jun	-	-	-	-	-	-		
Jul	-	-	-	-	-	-		
Aug	-	-	-	-	-	-		
Sep	-	-	-	-	-	-		

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **12,650.6**

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **City of Santa Barbara**
 Update by COMB 12/31/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	20,525.9	5,794.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	20,525.9	5,794.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	-----	Total
639.1	-	639.1	180.2	639.1	819.3	819.3	-	-
517.5	-	517.5	84.9	517.5	602.4	602.4	-	-
379.4	-	379.4	38.0	379.4	417.4	417.4	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
1,535.9	-	1,535.9	303.1	1,535.9	1,839.0	1,839.0	-	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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-	-	-	-

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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation	Allocation	Allocation	Total
		M & I	-----	M & I	-----
Begin Bal	20,525.9	20,525.9	-	5,794.0	5,794.0
ID#1 Exch (+41AF)	-	-	-	41.0	41.0
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation	Allocation	Allocation	Total
		M & I	-----	M & I	-----
Oct	19,706.7	19,706.7	-	5,835.0	5,835.0
Nov	19,104.3	19,104.3	-	5,835.0	5,835.0
Dec	18,686.9	18,686.9	-	5,835.0	5,835.0
Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 24,521.9

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Montecito Water District**
 Update by COMB 12/31/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,994.6	1,856.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,994.6	1,856.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
237.2	20.0	257.2	25.6	257.2	282.8	255.1	27.6	-
211.0	15.9	226.9	11.3	226.9	238.2	218.7	19.5	-
106.2	7.4	113.6	4.9	113.6	118.5	109.4	9.1	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
554.5	43.2	597.7	41.8	597.7	639.5	583.3	56.2	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	2,994.6	2,096.5	898.0	1,571.0	285.0	1,856.0
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	2,711.8	1,841.4	870.4	1,571.0	285.0	1,856.0
Nov	2,473.6	1,622.7	850.9	1,571.0	285.0	1,856.0
Dec	2,355.1	1,513.3	841.8	1,571.0	285.0	1,856.0
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 4,211.1

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Carpinteria Valley Water District**
 Update by COMB 12/31/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,103.3	1,969.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,103.3	1,969.0

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
-	-	-	18.8	-	18.8	9.7	9.1	-	-	-
-	-	-	9.1	-	9.1	4.8	4.3	-	-	-
-	-	-	4.2	-	4.2	2.1	2.1	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	32.0	-	32.0	16.6	15.5	-	-	-

CONVERSIONS (M&I AND AG SPLIT)			
CARRYOVER WATER		CURR YR ALLOCATION	
M & I	Agr	M & I	Agr
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Month
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SCHEDULE AND REVISIONS				SCHEDULE AND REVISIONS			
Allocation				Allocation			
Total	M & I	Agr	Total	M & I	Agr	Total	
2,103.3	1,085.4	1,017.9	1,969.0	984.5	984.5	1,969.0	
-	-	-	27.0	18.1	8.9	27.0	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	

Month
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BALANCE - CARRYOVER WATER				BALANCE - CURR YR ALLOC			
Allocation				Allocation			
Total	M & I	Agr	Total	M & I	Agr	Total	
2,084.6	1,075.7	1,008.8	1,996.0	1,002.6	993.4	1,996.0	
2,075.5	1,070.9	1,004.5	1,996.0	1,002.6	993.4	1,996.0	
2,071.3	1,068.9	1,002.5	1,996.0	1,002.6	993.4	1,996.0	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **4,067.3**

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #I75R-1802

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**
 Update by COMB 12/31/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	CARRYOVER WATER						CURRENT YEAR ALLOCATION				
			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
Oct	2,361.5	1,856.0	1.4	-	1.4	21.1	1.4	22.4	3.7	18.8	-	-	-
Nov	-	-	1.3	-	1.3	10.2	1.3	11.5	2.4	9.1	-	-	-
Dec	-	-	1.1	-	1.1	4.7	1.1	5.8	1.6	4.2	-	-	-
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2,361.5	1,856.0	3.8	-	3.8	35.9	3.8	39.8	7.7	32.1	-	-	-

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					
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	2,361.5	254.5	2,107.0	965.0	891.0	1,856.0
Nov	-	-	-	(86.4)	(42.6)	(129.0)
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Total	Allocation		Allocation		Total
			M & I	Agr	M & I	Agr	
Oct	1.4	2,339.1	250.9	2,088.2	878.6	848.4	1,727.0
Nov	1.3	2,327.6	248.5	2,079.1	878.6	848.4	1,727.0
Dec	1.1	2,321.8	246.8	2,074.9	878.6	848.4	1,727.0
Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **4,048.8**

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

Contract Year: 10/1/21 to: 9/30/22

Contract Entity: **Santa Barbara Co. Water Agency**
 Update by COMB 12/31/2021

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED			WATER USE CHARGED				
			Acre-feet				Allocation			Allocation				
			Use %	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	35,307.0	18,000.0	0.0	1,290.0	150.2	1,440.2	308.4	1,440.2	1,748.6	1,544.1	204.5	-	-	-
Nov	-	-	0.0	1,105.8	112.8	1,218.6	143.9	1,218.6	1,362.5	1,224.0	138.5	-	-	-
Dec	-	-	0.0	598.4	33.9	632.3	64.0	632.3	696.3	650.6	45.7	-	-	-
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	35,307.0	18,000.0	0.1	2,994.2	296.9	3,291.1	516.3	3,291.1	3,807.4	3,418.7	388.7	-	-	-

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	-	-	-	-

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Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	35,307.0	29,092.4	6,214.7	14,388.0	3,612.0	18,000.0
Oct	-	-	-	13.5	(13.5)	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Total	Allocation		Allocation		Total
			M & I	Agr	M & I	Agr	
Oct	1.4	33,558.4	27,548.3	6,010.1	14,401.5	3,598.5	18,000.0
Nov	1.3	32,196.0	26,324.3	5,871.7	14,401.5	3,598.5	18,000.0
Dec	1.1	31,499.6	25,673.7	5,826.0	14,401.5	3,598.5	18,000.0
Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **49,499.6**

CACHUMA DAILY OPERATIONS

Month & Year: January 2022

Time of Observations: 0830

Evaporation Pan Factor: 65%

Day	Beginning Storage: 93,345			Surface Area	Rainfall		Evaporation		CCWA Inflow	Releases						Computed Inflow			
	Elevation	Storage	Change		Rainfall		Evaporation			Park Diversion	Santa Ynez	South Coast	Hilton Creek	WR 89-18	Outlet		Spillway		
	ft	acre-feet	acre-feet		inches	acre-feet	inches	acre-feet		acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet		acre-feet	acre-feet	
1	712.23	93,345	-	1,881	-	-	0.180	18.3	-	-	-	14.2	2.7	-	11.0	-	46.2		
2	712.24	93,364	19	1,882	-	-	0.040	4.1	13.2	-	-	14.1	2.6	-	11.0	-	37.6		
3	712.26	93,402	38	1,882	-	-	0.050	5.1	13.3	-	-	13.9	2.7	-	11.0	-	57.4		
4	712.26	93,402	-	1,882	-	-	0.020	2.0	13.2	-	-	14.5	2.7	-	11.0	-	17.0		
5	712.27	93,420	18	1,883	-	-	0.040	4.1	12.9	-	-	14.7	2.6	-	11.0	-	37.5		
6	712.28	93,439	19	1,883	-	-	0.030	3.1	13.2	-	-	13.6	2.6	-	11.0	-	36.1		
7	712.29	93,458	19	1,883	0.02	3.1	0.060	6.1	12.9	-	-	14.3	2.7	-	11.0	-	37.1		
8	712.27	93,420	(38)	1,883	0.01	1.6	0.040	4.1	13.2	-	-	25.5	2.6	-	11.0	-	(9.6)		
9	712.26	93,402	(18)	1,882	-	-	0.080	8.2	13.2	-	-	29.1	2.6	-	11.0	-	19.7		
10	712.26	93,402	-	1,882	-	-	0.060	6.1	13.3	-	-	22.5	2.7	-	11.0	-	29.0		
11	712.27	93,420	18	1,883	-	-	0.050	5.1	13.2	-	-	19.9	2.6	-	10.0	-	42.4		
12	712.26	93,402	(18)	1,882	-	-	0.070	7.1	13.2	-	-	19.6	2.6	-	12.0	-	10.1		
13	712.26	93,402	-	1,882	-	-	0.050	5.1	13.2	-	-	19.8	2.6	-	10.0	-	24.3		
14	712.26	93,402	-	1,882	-	-	0.040	4.1	13.2	-	-	19.9	2.5	-	11.0	-	24.3		
15	712.24	93,364	(38)	1,882	-	-	0.050	5.1	13.2	-	-	19.9	2.6	-	11.0	-	(12.6)		
16	712.25	93,383	19	1,882	0.01	1.6	0.030	3.1	13.2	-	-	19.4	2.6	-	11.0	-	40.3		
17	712.25	93,383	-	1,882	-	-	0.020	2.0	13.2	-	-	20.0	2.6	-	11.0	-	22.4		
18	712.27	93,420	37	1,883	0.40	62.8	-	-	13.2	-	-	20.1	2.5	-	11.0	-	(5.4)		
19	712.27	93,420	-	1,883	-	-	0.070	7.1	13.2	-	-	19.4	2.6	-	11.0	-	26.9		
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
TOTALS				75		0.44	69.0	0.980	99.9	-	237.2	-	-	354.4	49.7	-	208.0	-	480.8

Park Usage

Rain %

Yr. Total



**Santa Barbara County Parks Division,
Cachuma Lake Recreation Area
Summary of Aquatic Invasive Species Vessel Inspection Program
and Early Detection Monitoring Program: December 2021**



Cachuma Lake Recreation Area Launch Data -- December 2021		
Inspection Data		
Total Vessels Entering Park	394	
Total Vessels Launched	376	
Total Vessels Quarantined	18	
Returning (Tagged) Boats Launched	307	82%
Kayak/Canoe: Inspected, launched	69	18%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
Quarantine Data		
Total Vessels Quarantined	18	
Quarantined 14 days	*	
Quarantined 30 days	18	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	8	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	18	
Demographic Data		
Quarantined from infected county	8	
Quarantined from SB County	9	
Quarantined from uninfected co	1	

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

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

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

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

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

Inspection Date and Time: 2021.12.30; 1 p.m. to 3 p.m. PDT.

Method: 5 Sampling Stations; 30 meters/98.4 linear feet of line.

Surveyors: COSB, Parks Division Staff (Naturalist Rosey Bishop, Assistant Naturalist Kristin Loft).

Lake elevation: Max feet: 753.00, current 712.19; Max acre-feet: 193,305, current: 93,271;

Current capacity: 48.3%

