

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

**by Teleconference Call ONLY**

**Teleconference Call-in Number: 1 (888) 899-7789  
Passcode: 804443#**

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**Monday, January 25, 2021**

**1:00 PM**

**AGENDA**

**NOTICE:** This meeting shall be conducted by teleconference call only as authorized and in accordance with Government Code section 54953 and the California Governor's Executive Order N-29-20 and N-33-20.

- 1. CALL TO ORDER, ROLL CALL**
- 2. INTRODUCTION OF NEW ALTERNATE BOARD MEMBER**
- 3. PUBLIC COMMENT** (*Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction. See "Notice to the Public" below.*)
- 4. CONSENT AGENDA** (*All items on the Consent Agenda are considered 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 14, 2020 Regular Board Meeting
  - b. Investment of Funds
    - Financial Reports
    - Investment Reports
  - c. Review of Paid Claims
- 5. VERBAL REPORTS FROM BOARD COMMITTEES**  
Receive verbal information regarding the following committee meetings:
  - Administrative Committee Meeting – January 15, 2021
- 6. CONTRACTS EXECUTED BY THE GENERAL MANAGER – 2<sup>ND</sup> QUARTER FISCAL YEAR 2020-21**  
Action: Receive and file information on Contracts Executed by the General Manager – 2<sup>nd</sup> Quarter Fiscal Year 2020-21
- 7. FINANCIAL REVIEW – 2<sup>ND</sup> QUARTER FISCAL YEAR 2020-21**  
Action: Receive and file information on the 2<sup>nd</sup> Quarter Fiscal Year 2020-21 Financial Review
- 8. RESOLUTION NO. 722 – ADOPTION OF ELECTRONIC SIGNATURE POLICY**  
Action: Recommend approval by motion and roll call vote of the Board

9. **RESOLUTION NO. 723 – ISSUANCE OF LETTER TO THE U.S. BUREAU OF RECLAMATION AUTHORIZING COMMENCEMENT OF THE LONG TERM TRANSFER OF OPERATION AND MAINTENANCE OF THE CACHUMA PROJECT TRANSFERRED PROJECT WORKS CONTRACT (O & M CONTRACT)**  
Action: Recommend approval by motion and roll call vote of the Board
  
10. **GENERAL MANAGER REPORT**  
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
  - Administration
  - U.S. Bureau of Reclamation
  - Division Accomplishments / Goals
  
11. **ENGINEER’S REPORT**  
Receive information from the COMB Engineer, including but not limited to the following:
  - Climate Conditions
  - Lake Elevation
  - Thomas/Whittier Fire Vegetation Recovery
  - Lake Cachuma Water Quality Update
  - Infrastructure Improvement Projects
  
12. **OPERATIONS DIVISION REPORT**  
Received information regarding the Operations Division, including but not limited to the following:
  - Lake Cachuma Operations
  - Operation and Maintenance Activities
  
13. **FISHERIES DIVISION REPORT**  
Receive information regarding Fisheries Division, including but not limited to the following:
  - LSYR Steelhead Monitoring Elements
  - Tributary Project Updates
  - Surcharge Water Accounting
  - Reporting/Outreach/Training
  
14. **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
  
15. **MONTHLY CACHUMA PROJECT REPORTS**  
Receive information regarding the Cachuma Project, including but not limited to the following:
  - a. Cachuma Water Reports
  - b. Cachuma Reservoir Current Conditions
  - c. Lake Cachuma Quagga Survey
  
16. **DIRECTORS’ REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**

**17. [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

**18. RECONVENE INTO OPEN SESSION**

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

- 17a. *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647 – Request for Declaratory and Injunctive Relief

**19. MEETING SCHEDULE**

- **February 22, 2021 at 1:00 PM**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**20. 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 that is not scheduled for as an agenda item before 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  
CACHUMA OPERATION AND MAINTENANCE BOARD**

**by Teleconference Call ONLY**

**Monday, December 14, 2020  
1:00 PM**

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

The meeting was called to order by President Holcombe at 1:01 PM.

All attendees participated telephonically pursuant to California Governor Gavin Newsom's Executive Orders N-25-20 and N-29-20.

**Directors Present:**

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

**General Counsel Present:**

William Carter, Musick, Peeler, Garrett, LLP

**Staff Present:**

Janet Gingras, General Manager	Timothy Robinson, Fisheries Division Manager
Edward Lyons, Administrative Manager/CFO	Shane King, Operations Supervisor
Joel Degner, Engineer/Operations Division Manager	Dorothy Turner, Administrative Assistant II

**Others Present:**

John Britton, CPA, Bartlett, Pringle & Wolf, LLP	Nina Pisani, Bartlett, Pringle & Wolf LLP
Will Kane, FSA, EA, Total Compensation Systems	

**2. PUBLIC COMMENT**

There was no public comment.

**3. CONSENT AGENDA**

- a. Minutes of October 26, 2020 Regular Board Meeting
- b. Investment of Funds
  - Financial Reports
  - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda items, reviewing various revenues received and expenditures of note, including annual insurance payment, materials purchased for the South Coast Conduit AVOR/BO project and some final project payments. She fielded questions from the Board.

Director Hanson put forth a motion to approve the Consent Agenda items as presented. Director Sneddon seconded the motion which carried with a unanimous vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

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

- *Administrative Committee Meeting – December 7, 2020* – Director Holcombe summarized the topics addressed in the Administrative Committee meeting and noted that the committee had forwarded them to the Board with recommendations for approval.
- *Operations Committee Meeting – December 8, 2020* – Director Sneddon reported out on behalf of the Operations Committee and advised that the single action item had been moved forward to the Board with a recommendation to approve. As well, she reported that the committee received much appreciated updates for each of the ongoing projects.

#### **5. TOTAL COMPENSATION SYSTEMS, INC. PRESENTATION OF OTHER POST-EMPLOYMENT BENEFITS (OPEB) ACTUARIAL REPORT AS OF JUNE 30, 2020**

Mr. Lyons introduced Mr. Will Kane of Total Compensation Systems, Inc. Mr. Kane presented an overview of the Other Post-Employment Benefits (OPEB) actuarial study. Mr. Kane provided the Board with an overview of the valuation approach, results and assumptions contained therein, as well as changes in OPEB accounting standards. He fielded questions from the Board.

#### **6. BARTLETT, PRINGLE WOLF, LLP PRESENTATION OF COMPREHENSIVE ANNUAL FINANCIAL REPORT (CAFR) – FISCAL YEAR ENDING JUNE 30, 2020**

Mr. Lyons introduced Mr. John Britton, CPA, of Bartlett, Pringle & Wolf LLP (BPW) to present the CAFR findings to the Board. Mr. Britton stated that BPW has issued an unmodified (clean) opinion of the financial statements, concluding there were no management concerns or reportable conditions affiliated with the audit. He presented a summary of the audit results, highlighting changes year over year and providing explanation for those changes. Finally, Mr. Britton reported that the results of the single compliance audit, required when federal funds are received, discovered no deficiencies in internal compliance. He fielded questions from the Board.

#### **7. CALIFORNIA STATE CONTROLLER REPORT FOR FISCAL YEAR ENDING JUNE 30, 2020**

Mr. Lyons introduced Ms. Nina Pisani of BPW to present the annual State Controller Report, due January 31, 2021. Ms. Pisani explained how COMB's financial data was organized and reported in the State-mandated template. Ms. Pisani confirmed that the numbers in the report are reconciled to those presented in the CAFR.

#### **UNEXPENDED FUNDS – FISCAL YEAR ENDING JUNE 30, 2020**

Mr. Lyons presented the Unexpended Funds report to the Board, reviewing the manner in which the funds are calculated and providing the Board with four action options for the \$586,000 of unexpended

funds. Additionally, he provided an illustration of the amount each member agency would receive based upon their established allocation percentage. Mr. Lyons fielded questions from the Board.

Director Sneddon put forth a motion to approve the amount of unexpended funds and the disbursement of same to the member agencies. Director Hayman seconded the motion which carried with a unanimous vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

## **8. RESOLUTION NO. 721 – UPDATE TO CONFLICT OF INTEREST CODE**

Ms. Gingras brought before the Board the update to the Conflict of Interest (COI) Code, via Resolution No. 721. She advised that COMB's code is being updated to allow for the option to file Form 700 electronically. She fielded questions and comments from the Board.

Director Hanson motioned to adopt Resolution No. 721 to amend the COI Code. Director Sneddon seconded and the motion carried with a unanimous vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

## **9. AGREEMENT FOR ASSIGNMENT OF CLAIMS TO CALIFORNIA OFFICE OF EMERGENCY SERVICES (CALOES) – THOMAS FIRE/DEBRIS FLOW EVENT**

Ms. Gingras presented the agreement to assign COMB's subrogation duties surrounding the Thomas Fire/Debris Flow event to CalOES, who will pursue reimbursement through California's Office of the Attorney General. Mr. Carter advised the Board that this agreement will relieve individual agencies, in this case, COMB, of the need to pursue individual claims against the entity at fault for the damages sustained. He fielded questions from the Board.

Director Sneddon brought a motion to approve the assignment of claims. Seconded by Director Hanson, the motion carried with a vote of five in favor and one abstention.

**Ayes:** Sneddon, Hanson, Holcombe

**Nays:**

**Absent:**

**Abstain:** Hayman

## **10. WATERSHED SANITARY SURVEY - PROFESSIONAL SERVICES AGREEMENT**

Mr. Degner presented the Watershed Sanitary Survey to the Board and provided background information. The survey will involve a regional collaboration of efforts and share of cost among various agencies, including ID No. 1 and the City of Lompoc. Mr. Degner reported that a Request for Quote had been distributed to three consultants with two quotes being received. Technical staff reviewed and scored the quotes, resulting in Geosyntech's quote receiving the highest score as well as being the lowest in cost. Mr. Degner fielded questions and requests from the Board.

Director Hanson proffered a motion to approve the Geosyntech quote and authorize the General Manager to execute a Professional Service Agreement. Seconded by President Holcombe, the motion carried with a unanimous vote of six in favor.

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

**Nays:**

**Absent:**

**Abstain:**

**11. FINAL UPDATE ON SOUTH SIDE EROSION CONTROL AND REFORESTATION PROJECT AT QUIOTA CREEK CROSSING NO. 8**

Mr. Robinson presented the final report of the South Side Erosion Control and Reforestation project, accompanied by photos visually documenting the construction. He noted that the project came in slightly less than proposed and that grant reimbursement had been sought from the National Fish and Wildlife Foundation. The Board appreciated the clarity provided by the photos.

**12. GENERAL MANAGER REPORT**

- Administration
- U.S. Bureau of Reclamation
- Engineering / Operations

Ms. Gingras presented the General Manager report, highlighting the County presentation at the Santa Ynez River Flood Forecast meeting, and the new CalOSHA COVID-19 protocols to be incorporated into preparedness and safety plans. Additionally, she reported that the annual risk assessment and Reclamation's facilities review have been accomplished virtually. Reclamation hopes to perform an on-site inspection in March of 2021. Finally, Ms. Gingras reported that Fisheries should complete the Annual Monitoring Report (AMR) by mid-December and the Annual Monitoring Summary (AMS) by year-end.

**13. ENGINEER'S REPORT**

- Climate Conditions
- Lake Elevation / Downstream Release Update
- Infrastructure Improvement Projects

Mr. Degner presented the Engineer's Report, noting that climate conditions remain dry with precipitation well under the average for this time of year and accompanied by high fire risk. He reported that the downstream water rights release had completed and provided updated lake elevation numbers. Mr. Degner added that, as the lake elevation falls, Reclamation will need to consider getting the Hilton Creek Emergency Backup System back online in order to maintain required flows to the creek. He reviewed the ongoing Infrastructure Improvement Projects in some detail, noting various updates to target dates based on climate and approvals from other agencies. Mr. Degner fielded questions from the Board.

**14. OPERATIONS DIVISION REPORT**

- Lake Cachuma Operations
- Operation and Maintenance Activities



Mr. King presented the Operations Division report, highlighting the normal, ongoing operations of staff, work at the North Portal and a successful potholing project. He reported that staff visited six lateral structures in the South Reach and collected important data regarding valve function and integrity. Mr. King advised that winterizing is under way in anticipation of hoped-for rainfall.

**15. FISHERIES DIVISION REPORT**

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

Mr. Robinson presented the Fisheries Division report, noting flow to Hilton Creek, the completion of the water rights release and normal Biological Opinion mandated tasks. He reported that Reclamation is working on the Hilton Creek Watering System Pumping Barge and expressed hope that Reclamation would also place the Emergency Backup System back online. Additionally, Mr. Robinson advised that the Annual Monitoring Report (AMR) is on time and that the Annual Monitoring Summary (AMS) is under way. He fielded questions from the Board.

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

- Maintenance and Monitoring

Mr. Robinson reviewed the Oak Tree report and advised that irrigation of newer trees is continuing due to the dry winter. He reported that Operations staff collaborated on retrofits to the Water Truck, including more secure containment of on-board tools.

**17. MONTHLY CACHUMA PROJECT REPORTS**

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

Ms. Gingras referenced the Cachuma Project reports as contained in the Board packet, noting that they represented the first month of the water year.

**18. 2021 COMB REGULAR BOARD MEETING CALENDAR**

Ms. Gingras presented the Regular Board Meeting calendar for 2021. There were no comments.

**19. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**

There were no requests for future agenda items. President Holcombe took the opportunity to commend the hard work undertaken on behalf of COMB by Directors, Staff and Counsel during these unprecedented times.

**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

The Board entered into Closed Session at 3:12 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]

- 21a. *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647 – Request for Declaratory and Injunctive Relief

The Board reconvened into Open Session at 3:34 PM. There was no reportable action.

**22. MEETING SCHEDULE**

- **January 25, 2021 at 1:00 PM**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**23. COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 3:35 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, 2020  
**UNAUDITED FINANCIALS**

	<u>Dec 31, 2020</u>
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
<b>Trust Funds</b>	
1210 · Warren Act Trust Fund	73,148.72
1220 · Renewal Fund	117,694.58
<b>Total Trust Funds</b>	<u>190,843.30</u>
1050 · General Fund	350,562.00
1100 · Revolving Fund	249,990.06
<b>Total Checking/Savings</b>	<u>791,395.36</u>
<b>Accounts Receivable</b>	
1301 · Accounts Receivable	1,570.02
1325 · Bank Loan Receivable - EPFP	115,862.55
<b>Total Accounts Receivable</b>	<u>117,432.57</u>
<b>Other Current Assets</b>	
1010 · Petty Cash	500.00
1200 · LAIF	1,393,607.59
1303 · Bradbury SOD Act Assessments Receivable	207,474.00
1304 · Lauro Dam SOD Assessment Receivable	31,939.08
1400 · Prepaid Insurance	10,178.72
<b>Total Other Current Assets</b>	<u>1,643,699.39</u>
<b>Total Current Assets</b>	<u>2,552,527.32</u>
<b>Fixed Assets</b>	
1500 · Vehicles	468,728.36
1505 · Office Furniture & Equipment	306,053.41
1510 · Mobile Offices	97,803.34
1515 · Field Equipment	550,152.72
1525 · Paving	38,351.00
1550 · Accumulated Depreciation	(1,276,895.81)
<b>Total Fixed Assets</b>	<u>184,193.02</u>
<b>Other Assets</b>	
1923 · Deferred Outflow (GASB 75)	886,927.00
1910 · Long Term Bradbury SOD Act Assessment Receivable	4,271,329.07
1920 · LT Lauro SOD Act Assessment Receivable	772,150.06
1922 · Deferred Outflow of Resources (GASB 68)	336,263.00
<b>Total Other Assets</b>	<u>6,266,669.13</u>
<b>TOTAL ASSETS</b>	<u><u>9,003,389.47</u></u>

**Cachuma Operation & Maintenance Board**  
**Statement of Net Position**  
As of December 31, 2020  
**UNAUDITED FINANCIALS**

	<b>Dec 31, 2020</b>
<b>LIABILITIES &amp; NET POSITION</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
<b>Accounts Payable</b>	
2200 · Accounts Payable	25,853.03
<b>Total Accounts Payable</b>	25,853.03
<b>Other Current Liabilities</b>	
2505 · Accrued Wages	11,794.50
2550 · Vacation/Sick	183,338.51
2561 · Bradbury Dam SOD Act	207,473.99
2563 · Lauro Dam SOD Act	31,939.08
2565 · Accrued Interest SOD Act	52,227.00
2567 · Loan Payable Current EPFP	264,256.97
2590 · Deferred Revenue	190,843.30
2594 · Deferred Revenue - Assessments	17,145.50
<b>Total Other Current Liabilities</b>	959,018.85
<b>Total Current Liabilities</b>	984,871.88
<b>Long Term Liabilities</b>	
2602 · Long Term SOD Act Liability-Bradbury	4,271,319.07
2603 · Long Term SOD Act Liability - Lauro	772,150.06
2604 · OPEB Long Term Liability	5,565,697.00
2610 · Net Pension Liability (GASB 68)	1,893,141.00
2611 · Deferred Inflow of Resources (GASB 68)	802,348.00
<b>Total Long Term Liabilities</b>	13,304,655.13
<b>Total Liabilities</b>	14,289,527.01
<b>Net Position</b>	
3000 · Opening Balance Net Position	(5,296,580.05)
3901 · Retained Net Assets	(812,284.12)
<b>Net Income</b>	822,726.63
<b>Total Net Position</b>	(5,286,137.54)
<b>TOTAL LIABILITIES &amp; NET POSITION</b>	<b>9,003,389.47</b>

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures**  
 Budget vs. Actuals July 2020 - June 2021

	Fisheries				Operations				TOTAL			
	Jul - Dec 20	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 20	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 20	Budget	\$ Over / (Under) Budget	% of Budget
<b>3000 REVENUE</b>												
3001 - O&M Budget (Qtrly Assessments)	\$ 427,470.00	\$ 1,001,522.00	\$ (574,052.00)	42.68%	\$ 1,660,997.00	\$ 3,806,921.00	\$ (2,145,924.00)	43.63%	\$ 2,088,467.00	\$ 4,808,443.00	\$ (2,719,976.00)	43.43%
3006 - Warren Act	77,780.00	62,780.00	15,000.00	123.89%	0.00				77,780.00	62,780.00	15,000.00	123.89%
3007 - Renewal Fund	95,819.03	203,298.00	-107,478.97	47.13%	0.00				95,819.03	203,298.00	-107,478.97	47.13%
3009 - EPPF Loan (Qtrly Assessments)	0.00				231,725.10	0.00	231,725.10	100.0%	231,725.10	0.00	231,725.10	100.0%
3010 - Interest Income	0.00				2,953.00	0.00	2,953.00	100.0%	2,953.00	0.00	2,953.00	100.0%
3014 - Non-Member Agency Revenue	15,000.00	0.00	15,000.00	100.0%	0.00				15,000.00	0.00	15,000.00	100.0%
3020 - Misc Income	0.00				250.00	0.00	250.00	100.0%	250.00	0.00	250.00	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%
3042 - Sycamore Cnyn Slope Stabin Reim	0.00				3,736.60	0.00	3,736.60	100.0%	3,736.60	0.00	3,736.60	100.0%
3043 - Grant-QC Crossing #8	43,280.29	0.00	43,280.29	100.0%	0.00				43,280.29	0.00	43,280.29	100.0%
<b>Total 3000 REVENUE</b>	<b>\$ 659,349.32</b>	<b>\$ 1,357,600.00</b>	<b>\$ (698,250.68)</b>	<b>48.57%</b>	<b>\$ 1,899,661.70</b>	<b>\$ 3,806,921.00</b>	<b>\$ (1,907,259.30)</b>	<b>49.9%</b>	<b>\$ 2,559,011.02</b>	<b>\$ 5,164,521.00</b>	<b>\$ (2,605,509.98)</b>	<b>49.55%</b>
<b>3100 - LABOR - OPERATIONS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.0%</b>	<b>\$ 391,713.81</b>	<b>\$ 1,010,140.00</b>	<b>\$ (618,426.19)</b>	<b>38.78%</b>	<b>\$ 391,713.81</b>	<b>\$ 1,010,140.00</b>	<b>\$ (618,426.19)</b>	<b>38.78%</b>
<b>3200 VEH &amp; EQUIPMENT</b>												
3201 - Vehicle/Equip Mtce	0.00				11,453.63	35,000.00	-23,546.37	32.73%	11,453.63	35,000.00	-23,546.37	32.73%
3202 - Fixed Capital	0.00				0.00	25,000.00	-25,000.00	0.0%	0.00	25,000.00	-25,000.00	0.0%
3203 - Equipment Rental	0.00				335.00	5,000.00	-4,665.00	6.7%	335.00	5,000.00	-4,665.00	6.7%
3204 - Miscellaneous	0.00				656.60	10,000.00	-9,343.40	6.57%	656.60	10,000.00	-9,343.40	6.57%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>				<b>12,445.23</b>	<b>75,000.00</b>	<b>-62,554.77</b>	<b>16.59%</b>	<b>12,445.23</b>	<b>75,000.00</b>	<b>-62,554.77</b>	<b>16.59%</b>
<b>3300 - CONTRACT LABOR</b>												
3301 - Conduit, Meter, Valve & Misc	0.00				8,106.37	20,000.00	-11,893.63	40.53%	8,106.37	20,000.00	-11,893.63	40.53%
3302 - Buildings & Roads	0.00				3,447.34	20,000.00	-16,552.66	17.24%	3,447.34	20,000.00	-16,552.66	17.24%
3303 - Reservoirs	0.00				12,145.10	60,000.00	-47,854.90	20.24%	12,145.10	60,000.00	-47,854.90	20.24%
3304 - Engineering, Misc Services	0.00				6,560.00	30,000.00	-23,440.00	21.87%	6,560.00	30,000.00	-23,440.00	21.87%
<b>Total 3300 - CONTRACT LABOR</b>	<b>0.00</b>				<b>30,258.81</b>	<b>130,000.00</b>	<b>-99,741.19</b>	<b>23.28%</b>	<b>30,258.81</b>	<b>130,000.00</b>	<b>-99,741.19</b>	<b>23.28%</b>
<b>3400 - MATERIALS &amp; SUPPLIES</b>												
3401 - Conduit, Meter, Valve & Misc	0.00				12,946.82	65,000.00	-52,053.18	19.92%	12,946.82	65,000.00	-52,053.18	19.92%
3402 - Buildings & Roads	0.00				5,486.48	8,000.00	-2,513.52	68.58%	5,486.48	8,000.00	-2,513.52	68.58%
3403 - Reservoirs	0.00				83.57	5,000.00	-4,916.43	1.67%	83.57	5,000.00	-4,916.43	1.67%
<b>Total 3400 - MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>				<b>18,516.87</b>	<b>78,000.00</b>	<b>-59,483.13</b>	<b>23.74%</b>	<b>18,516.87</b>	<b>78,000.00</b>	<b>-59,483.13</b>	<b>23.74%</b>
<b>3500 - OTHER EXPENSES</b>												
3501 - Utilities	0.00				3,039.67	7,000.00	-3,960.33	43.42%	3,039.67	7,000.00	-3,960.33	43.42%
3502 - Uniforms	0.00				2,446.20	5,000.00	-2,553.80	48.92%	2,446.20	5,000.00	-2,553.80	48.92%
3503 - Communications	0.00				5,621.25	15,800.00	-10,178.75	35.58%	5,621.25	15,800.00	-10,178.75	35.58%
3504 - USA & Other Services	0.00				1,038.35	4,000.00	-2,961.65	25.96%	1,038.35	4,000.00	-2,961.65	25.96%
3505 - Miscellaneous	0.00				5,218.77	11,200.00	-5,981.23	46.6%	5,218.77	11,200.00	-5,981.23	46.6%
3506 - Training	0.00				589.98	3,000.00	-2,410.02	19.67%	589.98	3,000.00	-2,410.02	19.67%
<b>Total 3500 - OTHER EXPENSES</b>	<b>0.00</b>				<b>17,954.22</b>	<b>46,000.00</b>	<b>-28,045.78</b>	<b>39.03%</b>	<b>17,954.22</b>	<b>46,000.00</b>	<b>-28,045.78</b>	<b>39.03%</b>
<b>4100 - LABOR - FISHERIES</b>	<b>344,944.74</b>	<b>729,413.00</b>	<b>-384,468.26</b>	<b>47.29%</b>	<b>0.00</b>				<b>344,944.74</b>	<b>729,413.00</b>	<b>-384,468.26</b>	<b>47.29%</b>
<b>4200 - VEHICLES &amp; EQUIP - FISHERIES</b>												
4270 - Vehicle/Equip Mtce	8,548.77	30,000.00	-21,451.23	28.5%	0.00				8,548.77	30,000.00	-21,451.23	28.5%

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures**  
**Budget vs. Actuals July 2020 - June 2021**

	Fisheries				Operations				TOTAL			
	Jul - Dec 20	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 20	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 20	Budget	\$ Over / (Under) Budget	% of Budget
4280 · Fixed Capital	2,221.03	15,000.00	-12,778.97	14.81%	0.00				2,221.03	15,000.00	-12,778.97	14.81%
4290 · Miscellaneous	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
<b>Total 4200 · VEHICLES &amp; EQUIP - FISHERIES</b>	<b>10,769.80</b>	<b>47,500.00</b>	<b>-36,730.20</b>	<b>22.67%</b>	<b>0.00</b>				<b>10,769.80</b>	<b>47,500.00</b>	<b>-36,730.20</b>	<b>22.67%</b>
<b>4220 · CONTRACT LABOR - FISHERIES</b>												
4221 · Meters & Valves	1,247.45	3,000.00	-1,752.55	41.58%	0.00				1,247.45	3,000.00	-1,752.55	41.58%
4222 · Fish Projects Maintenance	5,324.33	20,000.00	-14,675.67	26.62%	0.00				5,324.33	20,000.00	-14,675.67	26.62%
<b>Total 4220 · CONTRACT LABOR - FISHERIES</b>	<b>6,571.78</b>	<b>23,000.00</b>	<b>-16,428.22</b>	<b>28.57%</b>	<b>0.00</b>				<b>6,571.78</b>	<b>23,000.00</b>	<b>-16,428.22</b>	<b>28.57%</b>
<b>4300 · MATERIALS/SUPPLIES - FISHERIES</b>												
4390 · Miscellaneous	788.53	7,000.00	-6,211.47	11.27%	0.00				788.53	7,000.00	-6,211.47	11.27%
<b>Total 4300 · MATERIALS/SUPPLIES - FISHERIES</b>	<b>788.53</b>	<b>7,000.00</b>	<b>-6,211.47</b>	<b>11.27%</b>	<b>0.00</b>				<b>788.53</b>	<b>7,000.00</b>	<b>-6,211.47</b>	<b>11.27%</b>
<b>4500 · OTHER EXPENSES - FISHERIES</b>												
4502 · Uniforms	779.28	3,500.00	-2,720.72	22.27%	0.00				779.28	3,500.00	-2,720.72	22.27%
<b>Total 4500 · OTHER EXPENSES - FISHERIES</b>	<b>779.28</b>	<b>3,500.00</b>	<b>-2,720.72</b>	<b>22.27%</b>	<b>0.00</b>				<b>779.28</b>	<b>3,500.00</b>	<b>-2,720.72</b>	<b>22.27%</b>
<b>4999 · GENERAL &amp; ADMINISTRATIVE</b>												
5000 · Director Fees	0.00				3,255.20	12,400.00	-9,144.80	26.25%	3,255.20	12,400.00	-9,144.80	26.25%
5001 · Director Mileage	0.00				16.37	600.00	-583.63	2.73%	16.37	600.00	-583.63	2.73%
5100 · Legal	0.00				18,776.05	75,000.00	-56,223.95	25.04%	18,776.05	75,000.00	-56,223.95	25.04%
5101 · Audit	0.00				9,457.50	22,750.00	-13,292.50	41.57%	9,457.50	22,750.00	-13,292.50	41.57%
5150 · Unemployment Tax	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
5200 · Liability Insurance	0.00				31,188.59	33,326.00	-2,137.41	93.59%	31,188.59	33,326.00	-2,137.41	93.59%
5310 · Postage/Office Exp	0.00				3,627.20	5,000.00	-1,372.80	72.54%	3,627.20	5,000.00	-1,372.80	72.54%
5311 · Office Equip/Leases	0.00				4,427.31	9,700.00	-5,272.69	45.64%	4,427.31	9,700.00	-5,272.69	45.64%
5312 · Misc Admin Expenses	0.00				7,276.24	14,000.00	-6,723.76	51.97%	7,276.24	14,000.00	-6,723.76	51.97%
5313 · Communications	0.00				2,762.35	6,500.00	-3,737.65	42.5%	2,762.35	6,500.00	-3,737.65	42.5%
5314 · Utilities	0.00				4,760.76	9,737.00	-4,976.24	48.89%	4,760.76	9,737.00	-4,976.24	48.89%
5315 · Membership Dues	0.00				9,688.65	9,700.00	-11.35	99.88%	9,688.65	9,700.00	-11.35	99.88%
5316 · Admin Fixed Assets	0.00				2,224.65	3,000.00	-775.35	74.16%	2,224.65	3,000.00	-775.35	74.16%
5318 · Computer Consultant	0.00				8,205.99	16,500.00	-8,294.01	49.73%	8,205.99	16,500.00	-8,294.01	49.73%
5325 · Emp Training/Subscriptions	0.00				0.00	2,000.00	-2,000.00	0.0%	0.00	2,000.00	-2,000.00	0.0%
5330 · Admin Travel/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%
<b>Total 4999 · GENERAL &amp; ADMINISTRATIVE</b>	<b>0.00</b>				<b>106,836.86</b>	<b>230,713.00</b>	<b>-123,876.14</b>	<b>46.31%</b>	<b>106,836.86</b>	<b>230,713.00</b>	<b>-123,876.14</b>	<b>46.31%</b>
<b>5299 · ADMIN LABOR</b>	<b>0.00</b>				<b>286,330.22</b>	<b>602,068.00</b>	<b>-315,737.78</b>	<b>47.56%</b>	<b>286,330.22</b>	<b>602,068.00</b>	<b>-315,737.78</b>	<b>47.56%</b>
<b>5400 · GENERAL &amp; ADMIN - FISHERIES</b>												
5407 · Legal - FD	3,662.75	25,000.00	-21,337.25	14.65%	0.00				3,662.75	25,000.00	-21,337.25	14.65%
5410 · Postage / Office Supplies	1,967.02	4,000.00	-2,032.98	49.18%	0.00				1,967.02	4,000.00	-2,032.98	49.18%
5411 · Office Equipment / Leases	1,562.98	6,518.00	-4,955.02	23.98%	0.00				1,562.98	6,518.00	-4,955.02	23.98%
5412 · Misc. Admin Expense	2,221.18	7,500.00	-5,278.82	29.62%	0.00				2,221.18	7,500.00	-5,278.82	29.62%
5413 · Communications	1,487.45	4,455.00	-2,967.55	33.39%	0.00				1,487.45	4,455.00	-2,967.55	33.39%
5414 · Utilities	2,563.47	5,243.00	-2,679.53	48.89%	0.00				2,563.47	5,243.00	-2,679.53	48.89%
5415 · Membership Dues	5,217.35	6,200.00	-982.65	84.15%	0.00				5,217.35	6,200.00	-982.65	84.15%
5416 · Admin Fixed Assets	1,196.87	3,000.00	-1,803.13	39.9%	0.00				1,196.87	3,000.00	-1,803.13	39.9%
5418 · Computer Consultant	4,419.61	9,000.00	-4,580.39	49.11%	0.00				4,419.61	9,000.00	-4,580.39	49.11%
5425 · Employee Education/Subscription	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
5426 · Director Fees	1,752.80	6,700.00	-4,947.20	26.16%	0.00				1,752.80	6,700.00	-4,947.20	26.16%

**Cachuma Operation & Maintenance Board  
Statement of Revenues and Expenditures  
Budget vs. Actuals July 2020 - June 2021**

	Fisheries				Operations				TOTAL			
	Jul - Dec 20	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 20	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Dec 20	Budget	\$ Over / (Under) Budget	% of Budget
5427 · Director Mileage	0.00	300.00	-300.00	0.0%	0.00				0.00	300.00	-300.00	0.0%
5430 · Travel	8.82	2,500.00	-2,491.18	0.35%	0.00				8.82	2,500.00	-2,491.18	0.35%
5431 · Public Information	735.00	1,500.00	-765.00	49.0%	0.00				735.00	1,500.00	-765.00	49.0%
5441 · Audit	5,092.50	12,250.00	-7,157.50	41.57%	0.00				5,092.50	12,250.00	-7,157.50	41.57%
5443 · Liab & Property Ins	16,793.86	17,745.00	-951.14	94.64%	0.00				16,793.86	17,745.00	-951.14	94.64%
<b>Total 5400 · GENERAL &amp; ADMIN - FISHERIES</b>	<b>48,681.66</b>	<b>114,411.00</b>	<b>-65,729.34</b>	<b>42.55%</b>	<b>0.00</b>				<b>48,681.66</b>	<b>114,411.00</b>	<b>-65,729.34</b>	<b>42.55%</b>
5499 · ADMIN LABOR-FISHERIES	111,138.18	247,776.00	-136,637.82	44.85%	0.00				111,138.18	247,776.00	-136,637.82	44.85%
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%
<b>6000 · SPECIAL PROJECTS</b>												
6062 · SCADA	0.00				40,451.02	150,000.00	-109,548.98	26.97%	40,451.02	150,000.00	-109,548.98	26.97%
6090 · COMB Office Building	0.00				17,894.25	300,000.00	-282,105.75	5.97%	17,894.25	300,000.00	-282,105.75	5.97%
6096 · SCC Structure Rehabilitation	0.00				95,546.31	440,000.00	-344,453.69	21.72%	95,546.31	440,000.00	-344,453.69	21.72%
6097 · GIS and Mapping	0.00				5,400.00	10,000.00	-4,600.00	54.0%	5,400.00	10,000.00	-4,600.00	54.0%
6100 · Watershed Sanitary Survey	0.00				0.00	70,000.00	-70,000.00	0.0%	0.00	70,000.00	-70,000.00	0.0%
6105 · ROW Management Program	0.00				355.66	20,000.00	-19,644.34	1.78%	355.66	20,000.00	-19,644.34	1.78%
6120 · Lake Cachuma Secured Pipeline	0.00				87,408.99	300,000.00	-212,591.01	29.14%	87,408.99	300,000.00	-212,591.01	29.14%
6135 · SCC San Jose Creek Pipe Stabili	0.00				1,736.00	0.00	1,736.00	100.0%	1,736.00	0.00	1,736.00	100.0%
6136 · SCC Isolation Valve Evaluation	0.00				0.00	190,000.00	-190,000.00	0.0%	0.00	190,000.00	-190,000.00	0.0%
6137 · SCC Lower Reach Lateral Structu	0.00				10,814.50	150,000.00	-139,185.50	7.21%	10,814.50	150,000.00	-139,185.50	7.21%
6138 · Cachuma Watershed Mgmt Study	0.00				14,331.37	0.00	14,331.37	100.0%	14,331.37	0.00	14,331.37	100.0%
<b>Total 6000 · SPECIAL PROJECTS</b>	<b>0.00</b>				<b>273,938.10</b>	<b>1,630,000.00</b>	<b>-1,356,061.90</b>	<b>16.81%</b>	<b>273,938.10</b>	<b>1,630,000.00</b>	<b>-1,356,061.90</b>	<b>16.81%</b>
<b>6200 · FISHERIES ACTIVITIES</b>												
6201 · FMP Implementation	14,120.69	35,000.00	-20,879.31	40.35%	0.00				14,120.69	35,000.00	-20,879.31	40.35%
6202 · GIS and Mapping	3,550.00	10,000.00	-6,450.00	35.5%	0.00				3,550.00	10,000.00	-6,450.00	35.5%
6205 · USGS Stream Gauge Program	7,891.12	105,000.00	-97,108.88	7.52%	0.00				7,891.12	105,000.00	-97,108.88	7.52%
6207 · Oak Tree Restoration Program	5,261.94	25,000.00	-19,738.06	21.05%	0.00				5,261.94	25,000.00	-19,738.06	21.05%
<b>Total 6200 · FISHERIES ACTIVITIES</b>	<b>30,823.75</b>	<b>175,000.00</b>	<b>-144,176.25</b>	<b>17.61%</b>	<b>0.00</b>				<b>30,823.75</b>	<b>175,000.00</b>	<b>-144,176.25</b>	<b>17.61%</b>
6300 · HABITAT ENHANCEMENT	36,251.67	10,000.00	26,251.67	362.52%					36,251.67	10,000.00	26,251.67	362.52%
7007 · INTEREST EXPENSE-EPFP	0.00				7,540.88	0.00	7,540.88	100.0%	7,540.88	0.00	7,540.88	100.0%
	<b>\$ 590,749.39</b>	<b>\$ 1,357,600.00</b>	<b>\$ (766,850.61)</b>	<b>43.51%</b>	<b>\$ 1,145,535.00</b>	<b>\$ 3,806,921.00</b>	<b>\$ (2,661,386.00)</b>	<b>30.09%</b>	<b>\$ 1,736,284.39</b>	<b>\$ 5,164,521.00</b>	<b>\$ (3,428,236.61)</b>	<b>33.62%</b>
	<b>\$ 68,599.93</b>	<b>\$ -</b>	<b>\$ 68,599.93</b>	<b>100.0%</b>	<b>\$ 754,126.70</b>	<b>\$ -</b>	<b>\$ 754,126.70</b>	<b>100.0%</b>	<b>\$ 822,726.63</b>	<b>\$ -</b>	<b>\$ 822,726.63</b>	<b>100.0%</b>

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	January 25, 2021
Submitted by:	Janet Gingras

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**SUBJECT:** Investment Report – December 31, 2020

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### **RECOMMENDATION**

The Board of Directors receive and file the Cachuma Operation and Maintenance Board Investment Report as of December 31, 2020.

### **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 monthly effective yield rate, as of December 2020, is reported at 0.540%.

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

TABLE 1			
Unrestricted Reserve Funds		Date	Principal
Local Agency Investment Fund (LAIF)			
Previous Balance		11/30/2020	\$ 1,393,607.59
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance		12/31/2020	\$ 1,393,607.59

#### 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		Date	Principal
American Riviera Bank Renewal Account			
	Previous Balance	11/30/2020	\$ 95453.58
	(+) Deposits/Credits		22,241.00
	(-) Checks/Withdrawals		-
	Statement Balance	12/31/2020	\$ 117,694.58
American Riviera Bank Warren Act Trust Fund			
	Previous Balance	11/30/2020	\$ 73,148.72
	(+) Deposits/Credits		-
	(-) Checks/Withdrawals		-
	Statement Balance	12/31/2020	\$ 73,148.72

**STATEMENT**

The above statement of investment activity for the month of December 2020, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all American Riviera Bank and LAIF investments of this agency for the period indicated.

  
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 Secretary

Cachuma Operation & Maintenance Board

**Paid Claims**

As of December 31, 2020

Date	Num	Name	Memo	Amount
<b>1050 - General Fund</b>				
12/07/2020	28151	Aspect Engineering Group	SCADA Upgrade - PLC 8	-2,282.01
12/07/2020	28152	Association of Ca Water Agencies/JPIA	January Health Benefits Premium	-30,783.05
12/07/2020	28153	AT&T	Long Distance 10/28-11/27/20	-36.44
12/07/2020	28154	City of Santa-Barbara	Trash / Recycling November 2020	-304.75
12/07/2020	28155	Core and Main, LP	South Coast Conduit Structure Rehabilitation - Materials (Ops)	-12,825.32
12/07/2020	28156	Culligan of Sylmar	RO Rental December 2020	-29.95
12/07/2020	28157	Flowers & Associates, Inc.	South Coast Conduit Lower Reach Lateral Structures - Engineering Services	-2,095.75
12/07/2020	28158	Flowers & Associates, Inc.	South Coast Conduit Isolation Valves Evaluation - Engineering Services	-29,854.50
12/07/2020	28159	Frontier Communications	Phone Service - North Portal	-62.54
12/07/2020	28160	Frontier Communications	Phone Service - Alarm, Fax, Modem, Board Room	-195.21
12/07/2020	28161	HDR Engineering, Inc.	FMP Implementation, Technical, South Side Erosion Control Support - Engineering Services (Fisheries)	-6,837.01
12/07/2020	28162	Musick, Peeler & Garrett LLP	November General Counsel (Ops & Fisheries)	-3,335.00
12/07/2020	28163	Pitney Bowes Global Financial Services LLC	Property Tax - Postage Meter	-12.75
12/07/2020	28164	Southern California Edison	Electricity - Main & Outlying Stations	-1,155.39
12/07/2020	28165	Trenchalk Network Services, Inc.	Network Support Billing 11/01/20-11/30/20	-2,128.40
12/07/2020	28166	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-142.00
12/07/2020	28167	Wright Express Fleet Services	Fleet Fuel November 2020	-1,741.32
12/21/2020	28168	A-OK Power Equipment-SB	Supplies (Ops)	-17.38
12/21/2020	28169	American Riviera Bank - Card Service	Office Safety Supplies, Dry Suit Shipping, Adobe, Website Hosting, Uniforms, Conduit Supplies (Ops & Fisheries)	-1,552.96
12/21/2020	28170	Aqua-Flo Supply	Lauro Reservoir Supplies (Ops)	-136.72
12/21/2020	28171	Aspect Engineering Group	SCADA Upgrade - PLC 3 and 6	-15,075.00
12/21/2020	28172	Bend Genetics, LLC	Lake Cachuma Water Quality - Sampling	-40.00
12/21/2020	28173	Carpinteria Valley Water Dist.	FY 2019-20 Return of Unexpended Funds	-24,522.54
12/21/2020	28174	City of Santa Barbara-Finance Dept.	FY 2019-20 Return of Unexpended Funds	-210,346.60
12/21/2020	28175	Coastal Copy, LP	Copier Maintenance - Kyocera Taskalfas 3253ci & 6052ci	-301.16
12/21/2020	28176	CONTECH Engineered Solutions, LLC	Culvert Replacement (Ops)	-3,694.66
12/21/2020	28177	Cushman Contracting Corp.	EPPF Pumping System - Pay Req #80	-3,500.00
12/21/2020	28178	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality - Sampling	-950.00
12/21/2020	28179	Federal Express	Shipping (Ops)	-102.91
12/21/2020	28180	Goleta Water Distr.	FY 2019-20 Return of Unexpended Funds	-236,962.37
12/21/2020	28181	Impulse Advanced Communications	Phone Service - Main Office	-454.22
12/21/2020	28182	J&C Services	Office Cleaning Service - Weekly 11/06/20-11/30/20 & 12/04/20-12/18/20	-1,050.00
12/21/2020	28183	MarBorg Industries	Portable Facilities - Outlying Stations (Ops)	-387.92
12/21/2020	28184	Montecito Water Dist.	FY 2019-20 Return of Unexpended Funds	-67,418.78
12/21/2020	28185	O'Reilly Automotive, Inc.	Automotive Supplies (Ops)	-238.28
12/21/2020	28186	PG&E	Electricity - North Portal & Tecolote Tunnel	-409.31
12/21/2020	28187	Premiere Global Services	Conference Calls November 2020	-26.62
12/21/2020	28188	SB Home Improvement Center	Supplies (Ops) & Oak Tree Program Supplies (Fisheries)	-240.13
12/21/2020	28189	Southern California Edison	Electricity - Outlying Stations (Ops)	-40.33
12/21/2020	28190	Spatial Wave	GIS & Mapping - Field Mapplet Software Maintenance January - March 2021 (Ops)	-925.00
12/21/2020	28191	The Gas Company	Gas - Main Office	-23.66
12/21/2020	28192	Verizon Wireless	Cell Phones, Modems, iPads, SCADA USBs (Ops)	-732.06
12/21/2020	28193	Wells Fargo Vendor Fin Serv	Copier Leases - Kyocera Taskalfa 6052 & 3253	-123.98
12/28/2020	122520A	American Riviera Bank (ARB)	EPPF Loan Payment 1 of 2	-28,123.75
12/28/2020	122520B	American Riviera Bank (ARB)	EPPF Loan Payment 2 of 2	-10,354.21
Total 1050 - General Fund				<u>-701,571.94</u>
<b>TOTAL</b>				<b><u>-701,571.94</u></b>

**DIRECTORS**

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# CACHUMA OPERATION & MAINTENANCE BOARD

## Administrative Committee Meeting

by Teleconference Call ONLY  
Teleconference Call-in Number: 1 (888) 899-7789  
Passcode: 804443#

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Friday, January 15, 2021  
10:00 AM

### AGENDA

Chair: Director Holcombe  
Member: Director Hanson

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. Contracts Executed by the General Manager – 2<sup>nd</sup> Quarter Fiscal Year 2020-21 (*for information*)
4. Financial Review – 2<sup>nd</sup> Quarter Fiscal Year 2020-21 (*for information*)
5. Cachuma Project Transferred Project Works Contract (O & M Contract) – Issuance of Letter to U.S. Bureau of Reclamation (*for information and possible recommendation*)
6. Draft Electronic Signature Policy (*for information and possible recommendation*)
7. Adjournment

#### NOTICE TO THE PUBLIC

**Public Comment:** The public is welcome to attend the meeting via teleconference call only. 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 25, 2021
Submitted by:	Janet Gingras

**SUBJECT:**     **Contracts Executed By General Manager - 2nd Quarter Fiscal Year 2020-21**

**RECOMMENDATION:**

The Board of Directors review the 2<sup>nd</sup> Quarter Fiscal Year 2020-21 contracts executed by the General Manager and receive and file.

**SUMMARY:**

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, 2020 through December 31, 2020 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, 2020 through December 31, 2020, sorted by execution date.

Table 1					
Contracts Executed by General Manager					
October 1 - December, 31 2020					
Vendor Name	Contract Description	Board Approved	Date Executed	Date Expires	Contract Amount
Aspect Engineering Group	Combined PLC Upgrade Project	9/28/2020	10/13/2020	06/30/2022	\$160,362
Flowers & Associates, Inc.	South Coast Conduit - La Mirada Isolation Valve Design	10/26/2020	11/02/2020	06/30/2021	\$49,400
Cushman Contracting Corp.	South Coast Conduit AVAR/BO Rehab Project - Schedule F	10/26/2020	12/03/2020	06/30/2021	\$249,485
Peter Lapidus Construction, Inc.	Culvert Replacement for Sheffield Control Station Access Road	N/A	12/11/2020	02/28/2021	\$24,580

**FISCAL IMPACT:**

Funding for the executed contracts listed above was included in the Board adopted Fiscal Year 2020-21 Operating Budget.

**COMMITTEE STATUS:**

The Administrative Committee reviewed the 2<sup>nd</sup> Quarter Fiscal Year 2020-21 contracts executed by the General Manager and forwards to the Board with a recommendation to receive and file.

**LIST OF EXHIBITS:**

N/A



# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	January 25, 2021
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

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**SUBJECT:** Financial Review – 2nd Quarter Fiscal Year 2020-21

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**RECOMMENDATION:**

The Board of Directors receive a presentation on the 2<sup>nd</sup> Quarter Fiscal Year 2020-21 Financial Review and receive and file.

**DISCUSSION:**

The Board of Directors approves the Cachuma Operation & 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.

Starting with FY 2020-21, COMB modified the collection of quarterly assessments based on project implementation and projected cash outflows, as follows:

**Table 1**  
**COMB Quarterly Budget Assessments FY 2020 - 21**

Q1	Q2	Q3	Q4	Total
\$ 1,063,653	\$ 1,024,814	\$ 1,588,112	\$ 1,131,862	\$ 4,808,442
22%	21%	33%	24%	100%

**FISCAL ANALYSIS:**

**Revenues Assessed and Collected**

- COMB assessed and collected \$1.03M in quarterly O&M Budget Assessments for the period October – December 2020.
- COMB collected in \$184.5K in reimbursement from FEMA/CalOES related to the Sycamore Canyon Slope Stabilization project.
- COMB collected \$173.6K from the Warren Act Trust Fund / Renewal Fund for Fisheries and Oak Tree Program related expenses incurred for the period July – September 2020.
- COMB collected \$115.8K in quarterly EPFP Loan Assessments related to loan repayments made on behalf of Goleta Water District and Montecito Water District pertaining to the Emergency Pumping Facility for the period July – September 2020.

- COMB collected \$64.4K in pass through charges from the Cachuma Project Member Units for State Water Resource Control Board fees.
- COMB received \$43.3K in grant reimbursement from the National Fish and Wildlife Foundation for costs related to the South Side Erosion Control and Reforestation Project at Quiota Creek Crossing No. 8.
- COMB collected \$3.0K in interest income for funds held with LAIF.

### **Expenditures To Date (% of Budget Apportioned thru December – 43%)**

#### **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 total \$155.5K (45.1%). Costs in this category are on trend and generally occur evenly throughout the year. Notable expenses include the payment of the annual ACWA-JPIA Auto and General Liability premium (\$42.6K) during the first quarter.
- 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 expense total \$397.5K (46.8%). Costs in this category are on trend and generally occur evenly throughout the year.

#### **Operations Division**

- Operation and Maintenance Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs. Personnel costs of \$391.7K (38.8%) are lower than budget due to staff vacancies. Notable expenses include the one-time payout of accrued vacation and sick leave benefits to a terminated employee (\$8K).
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$12.4K (16.6%) are within budget.
- 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. Projects and staff assignments are reviewed by the General Manager and Operations Division Manager to control costs in this category. Actual costs of \$30.3K (23.3%) are within budget.
- Materials and Supplies covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. Actual costs of \$18.5K (23.7%) are within the apportioned budget.
- 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 (39.0%) are 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 through December were \$273.9K. This amount is attributed to the following projects: South Coast Conduit (SCC) Rehabilitation Project (\$95.5K), Lake Cachuma Secured Pipeline (\$87.4K), SCADA (\$40.5K), the COMB Office Building (\$17.9k), Lake Cachuma Watershed and Sediment Management Study (\$14.3k) and SCC Lower Reach Lateral Structure Repair (\$10.8K). 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 of \$1.1M (29.0%) through December are within budget.**
- **The projected annualized Operations Division expenses of \$3.3M (86.3%) for FY 2020-21 are within budget as reflected in Table 2 below:**

**Table 2  
Operations Division**

	<b>Actual</b> Jul-Sep	<b>Actual</b> Oct-Dec	<b>Budget</b> Jan-Mar	<b>Budget</b> Apr-Jun	<b>Annual</b> Projected	<b>Annual</b> Budget	<b>Over / (Under)</b> Budget (\$)	<b>% of</b> Budget
Revenue								
Revenue	\$ 781,911	\$ 886,026	\$ 1,347,086	\$ 798,836	\$ 3,813,859	\$ 3,806,921	\$ 6,938	100.2%
Expense								
General and Admin Expenses	57,605	49,232	46,909	43,659	197,405	230,713	(33,308)	85.6%
General and Admin Labor	143,522	142,808	150,517	150,517	587,364	602,068	(14,704)	97.6%
O&M Labor	191,708	200,006	252,535	252,535	896,784	1,010,140	(113,356)	88.8%
O&M Vehicle & Equip	6,564	5,881	18,750	18,750	49,945	75,000	(25,055)	66.6%
O&M Contract Labor	15,518	14,740	32,500	32,500	95,259	130,000	(34,741)	73.3%
O&M Material and Supplies	6,826	11,691	-	-	18,517	78,000	(59,483)	23.7%
O&M Other Expenses	8,006	9,948	10,875	13,375	42,204	46,000	(3,796)	91.7%
O&M Special Projects	174,551	99,387	835,000	287,500	1,396,438	1,635,000	(238,562)	85.4%
Total Expense	\$ 604,301	\$ 533,694	\$ 1,347,086	\$ 798,836	\$ 3,283,917	\$ 3,806,921	\$ (523,004)	86.3%
Net Surplus / (Deficit)	\$ 177,611	\$ 352,332	\$ -	\$ -	\$ 529,942	\$ -	\$ 529,942	

(\*) 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 \$344.9K (47.3%) are on trend and generally occur evenly throughout the year.
- **Vehicles & Equipment** includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Year to date actual costs of \$10.8K (22.7%) are within the apportioned budget.
- **Contract Labor** contains funds for outside services/labor to support equipment calibration on flow meters, and funds for technical assistance corresponding to the operation, maintenance and performance review of completed fish passage projects. Projected consultant services are reviewed by the General Manager and Fisheries Division Manager to control costs in this category. Year to date actual costs of \$6.8K (28.6%) are within budget. COMB has entered into an annual agreement with HDR Engineering to perform tasks outlined in an approved scope of work (SOW) under 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 \$0.8K (11.3%) are within budget.
- **Other Expenses** include funds to pay for uniforms and gear for the fisheries division employees. Actual costs of \$0.8K (22.3%) are within budget.
- **Fisheries Division Activities** includes funding for special activities related to ongoing Cachuma Project Biological Opinion (BiOp) compliance efforts, the implementation of the Lower Santa Ynez

River Fisheries Monitoring Program (FMP), GIS mapping, grants technical support, 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 \$30.8K (17.6%) are within the apportioned budget.

- Fisheries Habitat Improvement - Board policy requires that all habitat improvement projects be approved through Committee and by the Board prior to commencement. Costs of \$36.3K through December are related to the South Side Erosion Control and Reforestation Project at Quiota Creek Crossing 8 project. COMB received grant reimbursement of approximately \$43.3K from the National Fish and Wildlife Foundation to offset costs for this project.
- **The total Fisheries Division expenses of \$590.7K (43.5%) through December is slightly higher than the apportioned budget due to the aforementioned Habitat Improvement Project referenced in the preceding paragraph.**
- **The projected annualized Fisheries Division expenses of \$1.3M (92.4%) for FY 2020-21 are within budget as reflected in Table 3 below:**

**Table 3**  
**Fisheries Division**

	Actual		Budget		Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun				
Revenue								
Revenue	\$ 296,742	\$ 362,607	\$ 331,026	\$ 333,026	\$ 1,323,402	\$ 1,357,600	\$ (34,198)	97.5%
Expense								
General and Admin Expenses	29,218	19,464	22,854	21,104	92,640	114,411	(21,771)	81.0%
General and Admin Labor	51,923	59,215	61,944	61,944	235,026	247,776	(12,750)	94.9%
Fisheries Labor	164,796	180,149	182,353	182,353	709,651	729,413	(19,762)	97.3%
Fisheries Vehicle & Equip	6,894	3,876	11,875	11,875	34,520	47,500	(12,980)	72.7%
Fisheries Contract Labor	1,247	5,324	750	750	8,072	23,000	(14,928)	35.1%
Fisheries Material and Supplies	239	549	1,750	1,750	4,289	7,000	(2,711)	61.3%
Fisheries Other Expenses	310	469	500	2,000	3,279	3,500	(221)	93.7%
Fisheries Activities	21,809	9,015	46,500	48,750	126,074	175,000	(48,926)	72.0%
Fisheries Habitat Enhancement	31,769	4,482	2,500	2,500	41,252	10,000	31,252	412.5%
Total Expense	\$ 308,206	\$ 282,543	\$ 331,026	\$ 333,026	\$ 1,254,802	\$ 1,357,600	\$ (102,798)	92.4%
Net Surplus / (Deficit)	\$ (11,464)	\$ 80,064	\$ -	\$ -	\$ 68,600	\$ -	\$ 68,600	

(\*) 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 \$62.8K of Warren Act Trust Fund payments from CCWA for SWP deliveries that occurred in calendar year 2019. These funds were reviewed and approved during the annual Cachuma Project Warren Act Trust Fund / Renewal Fund meeting in September for use in FY 2020-21.

- **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 aggregate amount to be deposited in the Renewal Fund at the start of each Water year by the Cachuma Member Units is not to exceed an amount that bears a ratio to \$257,100, which is inverse to the ratio that the aggregate amount paid into the Warrant Act Trust Fund during the immediately preceding Calendar Year bears to \$300,000.

For calendar year 2019, total SWP deliveries into the lake were 1,460 AF, which converts to \$62,780 of Warren Act Trust Fund revenue available for FY 2020-21. Therefore, the amount required to be deposited into the Renewal Fund by the Cachuma Member Units is projected to be \$203,298 based on based on the following calculation:

<b>Given:</b>	WATF = \$62,780
	AOY = Annual Operation Yield of 25,714 x \$10 = \$257,100
	RFC = Renewal Fund Calculation = $[1 - (WATF / \$300,000)] \times AOY$
<b>Then:</b>	RFC = $[1 - (\$62,780 / \$300,000)] \times \$257,100$
	RFC = \$203,298

COMB collected this amount during the second quarter of fiscal year 2020-21.

- **EPFP Bank Loan Obligation** – During fiscal year ending 2015, COMB contracted for the construction of the Emergency Pumping Facilities Project (EPFP) to provide continued delivery of water from Lake Cachuma to the COMB Member Agencies until sufficient inflow occurred and the reservoir levels returned to normal operating condition. In order to implement this large-scale project, three of the four South Coast Member Agencies agreed to finance their proportionate share through a commercial financing arrangement with the Bank of Santa Barbara, which merged with American Riviera Bank during 2016.

The Districts participating in the financing arrangement were Goleta Water District, Montecito Water District and Carpinteria Valley Water District. The City of Santa Barbara chose to fund their portion through quarterly assessments.

While COMB secured the financing of the project, the three districts participating in the debt obligation provided the guarantee for repayment of their allocated percentage.

The financing arrangement was converted to a sixty-month repayment loan as of July 25, 2016. Carpinteria Valley Water District opted to pay off their obligation in full on or about the conversion date.

COMB assesses the remaining Member Agencies at the end of each quarter, for the monthly loan payments made on their behalf during that period. As of December 31, 2020, the total combined principal outstanding for the EPFP loan obligation is approximately \$264.3K.

- **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 2020-21 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 2020-21 is \$44,404.66. COMB assesses the COMB Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

**COMMITTEE STATUS:**

The Administrative Committee received a presentation on the 2<sup>nd</sup> Quarter Fiscal Year 2020-21 Financial Review and forwards to the Board of Directors with a recommendation to receive and file.

**LIST OF EXHIBITS:**

- 1) Fiscal Year 2020-21 Statement of Revenue and Expenditures
- 2) Quarterly Financial Review Presentation

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

	Fisheries				Operations				TOTAL			
	Jul-Dec 20	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Dec 20	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Dec 20	Budget	\$ Over / (Under) Budget	% of Budget
	<b>Revenue</b>											
Revenue	\$ 659,349.32	\$ 1,357,600.00	\$ (698,250.68)	48.6%	\$ 1,667,936.60	\$ 3,806,921.00	\$ (2,138,984.40)	43.8%	\$ 2,327,285.92	\$ 5,164,521.00	\$ (2,837,235.08)	45.1%
<b>Total Revenue</b>	<b>659,349.32</b>	<b>1,357,600.00</b>	<b>(698,250.68)</b>	<b>48.6%</b>	<b>1,667,936.60</b>	<b>3,806,921.00</b>	<b>(2,138,984.40)</b>	<b>43.8%</b>	<b>2,327,285.92</b>	<b>5,164,521.00</b>	<b>(2,837,235.08)</b>	<b>45.1%</b>
<b>Expense</b>												
General and Admin Expenses	48,681.66	114,411.00	(65,729.34)	42.6%	106,836.86	230,713.00	(123,876.14)	46.3%	155,518.52	345,124.00	(189,605.48)	45.1%
General and Admin Labor	111,138.18	247,776.00	(136,637.82)	44.9%	286,330.22	602,068.00	(315,737.78)	47.6%	397,468.40	849,844.00	(452,375.60)	46.8%
O&M Labor	-	-	-	-	391,713.81	1,010,140.00	(618,426.19)	38.8%	391,713.81	1,010,140.00	(618,426.19)	38.8%
O&M Vehicle & Equip	-	-	-	-	12,445.23	75,000.00	(62,554.77)	16.6%	12,445.23	75,000.00	(62,554.77)	16.6%
O&M Contract Labor	-	-	-	-	30,258.81	130,000.00	(99,741.19)	23.3%	30,258.81	130,000.00	(99,741.19)	23.3%
O&M Material and Supplies	-	-	-	-	18,516.87	78,000.00	(59,483.13)	23.7%	18,516.87	78,000.00	(59,483.13)	23.7%
O&M Other Expenses	-	-	-	-	17,954.22	46,000.00	(28,045.78)	39.0%	17,954.22	46,000.00	(28,045.78)	39.0%
O&M Special Projects	-	-	-	-	273,938.10	1,635,000.00	(1,361,061.90)	16.8%	273,938.10	1,635,000.00	(1,361,061.90)	16.8%
Fisheries Labor	344,944.74	729,413.00	(384,468.26)	47.3%	-	-	-	-	344,944.74	729,413.00	(384,468.26)	47.3%
Fisheries Vehicle & Equip	10,769.80	47,500.00	(36,730.20)	22.7%	-	-	-	-	10,769.80	47,500.00	(36,730.20)	22.7%
Fisheries Contract Labor	6,571.78	23,000.00	(16,428.22)	28.6%	-	-	-	-	6,571.78	23,000.00	(16,428.22)	28.6%
Fisheries Material and Supplies	788.53	7,000.00	(6,211.47)	11.3%	-	-	-	-	788.53	7,000.00	(6,211.47)	11.3%
Fisheries Other Expenses	779.28	3,500.00	(2,720.72)	22.3%	-	-	-	-	779.28	3,500.00	(2,720.72)	22.3%
Fisheries Activities	30,823.75	175,000.00	(144,176.25)	17.6%	-	-	-	-	30,823.75	175,000.00	(144,176.25)	17.6%
Fisheries Habitat Enhancement	36,251.67	10,000.00	26,251.67	362.5%	-	-	-	-	36,251.67	10,000.00	26,251.67	362.5%
Other Interest Expense - EPFP	-	-	-	-	-	-	-	-	-	-	-	0.0%
<b>Total Expense</b>	<b>590,749.39</b>	<b>1,357,600.00</b>	<b>(766,850.61)</b>	<b>43.5%</b>	<b>1,137,994.12</b>	<b>3,806,921.00</b>	<b>(2,668,926.88)</b>	<b>29.9%</b>	<b>1,728,743.51</b>	<b>5,164,521.00</b>	<b>(3,435,777.49)</b>	<b>33.5%</b>
<b>Surplus / (Deficit) - O&amp;M</b>	<b>\$ 68,599.93</b>	<b>\$ -</b>	<b>\$ 68,599.93</b>		<b>\$ 529,942.48</b>	<b>\$ -</b>	<b>\$ 529,942.48</b>		<b>\$ 598,542.41</b>	<b>\$ -</b>	<b>\$ 598,542.41</b>	
<b>Pass Thru Charges</b>												
EPFP Loan - Assessments	-	-	-	-	231,725.10	-	231,725.10	N/A	231,725.10	-	231,725.10	N/A
EPFP Loan - Interest Expense	-	-	-	-	(7,540.88)	-	(7,540.88)	N/A	(7,540.88)	-	(7,540.88)	N/A
<b>Sub Total Pass Thru Charges</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ 224,184.22</b>	<b>\$ -</b>	<b>\$ 224,184.22</b>	<b>N/A</b>	<b>\$ 224,184.22</b>	<b>\$ -</b>	<b>\$ 224,184.22</b>	<b>N/A</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ 68,599.93</b>	<b>\$ -</b>	<b>\$ 68,599.93</b>		<b>\$ 754,126.70</b>	<b>\$ -</b>	<b>\$ 754,126.70</b>	<b>N/A</b>	<b>\$ 822,726.63</b>	<b>\$ -</b>	<b>\$ 822,726.63</b>	<b>N/A</b>

(\* ) Results are unaudited and subject to change.

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# Cachuma Operation & Maintenance Board

Financial Review – 2<sup>nd</sup> Quarter  
Fiscal Year 2020-21



# Financial Review

## Revenues Collected – 2nd Quarter

COMB O&M Budget Assessment (Oct - Dec 2020)	\$ 1,024,800
FEMA/CalOES Reimbursement - Sycamore Canyon	184,500
Warren Act Trust Fund / Renewal Fund Reimbursement (Jul - Sep 2020)	173,600
EPFP Loan Assessment	115,800
SWRCB Pass Thru Assessment	64,400
National Fish and Wildlife Foundation	43,300
Interest Income	3,000
<b>Total Revenues</b>	<b>\$ 1,609,400</b>

# Financial Review

	Operations Division			
	Jul - Dec (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
<b>Revenue</b>				
Revenue	\$ 1,667,937	\$ 3,806,921	\$ (2,138,984)	43.8%
<b>Expense</b>				
General and Admin Expenses	106,837	230,713	(123,876)	46.3%
General and Admin Labor	286,330	602,068	(315,738)	47.6%
O&M Labor	391,714	1,010,140	(618,426)	38.8%
O&M Vehicle & Equip	12,445	75,000	(62,555)	16.6%
O&M Contract Labor	30,259	130,000	(99,741)	23.3%
O&M Material and Supplies	18,517	78,000	(59,483)	23.7%
O&M Other Expenses	17,954	46,000	(28,046)	39.0%
O&M Special Projects	273,938	1,635,000	(1,361,062)	16.8%
<b>Total Expense</b>	<b>\$ 1,137,994</b>	<b>\$ 3,806,921</b>	<b>\$ (2,668,927)</b>	<b>29.9%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ 529,942</b>	<b>\$ -</b>	<b>\$ 529,942</b>	<b>100.0%</b>

(\* ) 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	\$ 781,911	\$ 886,026	\$ 1,347,086	\$ 798,836	\$ 3,813,859	\$ 3,806,921	\$ 6,938	100.2%
Expense								
General and Admin Expense	57,605	49,232	46,909	43,659	197,405	230,713	(33,308)	85.6%
General and Admin Labor	143,522	142,808	150,517	150,517	587,364	602,068	(14,704)	97.6%
O&M Labor	191,708	200,006	252,535	252,535	896,784	1,010,140	(113,356)	88.8%
O&M Vehicle & Equip	6,564	5,881	18,750	18,750	49,945	75,000	(25,055)	66.6%
O&M Contract Labor	15,518	14,740	32,500	32,500	95,259	130,000	(34,741)	73.3%
O&M Material and Supplies	6,826	11,691	-	-	18,517	78,000	(59,483)	23.7%
O&M Other Expenses	8,006	9,948	10,875	13,375	42,204	46,000	(3,796)	91.7%
O&M Special Projects	174,551	99,387	835,000	287,500	1,396,438	1,635,000	(238,562)	85.4%
Total Expense	\$ 604,301	\$ 533,694	\$ 1,347,086	\$ 798,836	\$ 3,283,917	\$ 3,806,921	\$ (523,004)	86.3%
Net Surplus / (Deficit)	\$ 177,611	\$ 352,332	\$ -	\$ -	\$ 529,942	\$ -	\$ 529,942	

(\*) Results are unaudited and subject to change.

# Financial Review

	Fisheries Division			
	Jul-Dec (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
<b>Revenue</b>				
Revenue	\$ 659,349	\$ 1,357,600	\$ (698,251)	48.6%
<b>Expense</b>				
General and Admin Expenses	48,682	114,411	(65,729)	42.6%
General and Admin Labor	111,138	247,776	(136,638)	44.9%
Fisheries Labor	344,945	729,413	(384,468)	47.3%
Fisheries Vehicle & Equip	10,770	47,500	(36,730)	22.7%
Fisheries Contract Labor	6,572	23,000	(16,428)	28.6%
Fisheries Material and Supplies	789	7,000	(6,211)	11.3%
Fisheries Other Expenses	779	3,500	(2,721)	22.3%
Fisheries Activities	30,824	175,000	(144,176)	17.6%
Fisheries Habitat Enhancement	36,252	10,000	26,252	362.5%
<b>Total Expense</b>	<b>\$ 590,749</b>	<b>\$ 1,357,600</b>	<b>\$ (766,851)</b>	<b>43.5%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ 68,600</b>	<b>\$ -</b>	<b>\$ 68,600</b>	<b>100.0%</b>

(\* ) Results are unaudited and subject to change.

# Financial Review

## Fisheries Division

	<b>Actual</b>	<b>Actual</b>	<b>Budget</b>	<b>Budget</b>	<b>Annual</b>	<b>Annual</b>	<b>Over/(Under)</b>	<b>% of</b>
	<b>Jul-Sep</b>	<b>Oct-Dec</b>	<b>Jan-Mar</b>	<b>Apr-Jun</b>	<b>Projected</b>	<b>Budget</b>	<b>Budget (\$)</b>	<b>Budget</b>
<b>Revenue</b>								
Revenue	\$ 296,742	\$ 362,607	\$ 331,026	\$ 333,026	\$ 1,323,402	\$ 1,357,600	\$ (34,198)	97.5%
<b>Expense</b>								
General and Admin Expenses	29,218	19,464	22,854	21,104	92,640	114,411	(21,771)	81.0%
General and Admin Labor	51,923	59,215	61,944	61,944	235,026	247,776	(12,750)	94.9%
Fisheries Labor	164,796	180,149	182,353	182,353	709,651	729,413	(19,762)	97.3%
Fisheries Vehicle & Equip	6,894	3,876	11,875	11,875	34,520	47,500	(12,980)	72.7%
Fisheries Contract Labor	1,247	5,324	750	750	8,072	23,000	(14,928)	35.1%
Fisheries Material and Supplies	239	549	1,750	1,750	4,289	7,000	(2,711)	61.3%
Fisheries Other Expenses	310	469	500	2,000	3,279	3,500	(221)	93.7%
Fisheries Activities	21,809	9,015	46,500	48,750	126,074	175,000	(48,926)	72.0%
Fisheries Habitat Enhancement	31,769	4,482	2,500	2,500	41,252	10,000	31,252	412.5%
<b>Total Expense</b>	<b>\$ 308,206</b>	<b>\$ 282,543</b>	<b>\$ 331,026</b>	<b>\$ 333,026</b>	<b>\$ 1,254,802</b>	<b>\$ 1,357,600</b>	<b>\$ (102,798)</b>	<b>92.4%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ (11,464)</b>	<b>\$ 80,064</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 68,600</b>	<b>\$ -</b>	<b>\$ 68,600</b>	

(\*) Results are unaudited and subject to change.

# Financial Review

## Upcoming Deliverables – Administrative Division

- Prepare O&M Budget for FY 2021-22
- Update COMB Personnel Policy and Employee Handbook
- Update COMB Injury Illness and Prevention Program
- Upgrade COMB Telephone and Security Alarm Systems
- Conduct Annual IT Review and Assessment
- Advancement of Board Policies and Internal Procedures

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	January 25, 2021
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

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**SUBJECT:** Resolution No. 722 – Adoption of Electronic Signature Policy

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**RECOMMENDATION:**

The Board of Directors review the Cachuma Operation & Maintenance Board's (COMB) proposed Electronic Signature Policy and approve the policy through adoption of Resolution No. 722.

**DISCUSSION:**

Because of COVID-19 restrictions, it has become difficult for COMB staff to obtain in-person signatures on COMB related documents in a safe and timely manner. As a result, COMB staff researched and identified a software program to obtain signatures electronically. The software selected was based on ease of use, signature authentication, security and audit trail reporting. Staff reviewed the software with both its IT consultant and external auditor. COMB's IT consultant was satisfied with the security features built into the software such as user authentication and 256-bit encryption to protect data in transit. COMB's external auditor confirmed the software provided adequate internal controls and signature verification by proof of a SSL certificate and recommended that COMB develop and adopt an Electronic Signature (eSignature) Policy.

In light of the aforementioned recommendation, COMB has developed an eSignature Policy to ensure convenient, timely, and appropriate access to COMB information by using electronic signature technology to collect and preserve signatures on documents. This Policy establishes when electronic signature technology may replace a handwritten signature; and therefore, allow the use of paperless, electronic documents whenever appropriate and allowed by law.

This Policy applies to all signatures used in processing various COMB documents and requires, and thereby assumes, that the respective signer has been given the authority to sign a document as determined by COMB policy. While the use of electronic signatures is deemed legal and permissible, this Policy does not require the use electronic signatures or mandates that any third party signing a document use electronic signatures.

It is the policy of COMB to accept the use of electronic signatures in all internal and external activities, documents, and transactions where it is operationally feasible to do so, where existing technology permits, and where it is otherwise appropriate based on COMB preferences. In such situations, affixing an electronic signature to a document in a manner consistent with this Policy shall satisfy COMB's requirements for signing a document.

The legality and use of electronic signatures are governed by federal and state law. (See 15 U.S.C. §§ 7001, *et seq.* [U.S. Federal Electronic Signatures in Global and National Commerce Act]; California Government Code § 16.5; California Civil Code §§ 1633.1, *et seq.*

**LEGAL CONCURRENCE:**

Legal counsel has reviewed the proposed Electronic Signature Policy and Resolution No. 722.

**COMMITTEE STATUS:**

The Administrative Committee reviewed the proposed Electronic Signature Policy and forwards to the Board with a recommendation to approve through adoption of Resolution No. 722.

**LIST OF EXHIBITS:**

1. Resolution No. 722
2. COMB Electronic Signature Policy

**RESOLUTION NO. 722**

**RESOLUTION OF THE GOVERNING BOARD OF THE  
CACHUMA OPERATION & MAINTENANCE BOARD  
ADOPTING AN ELECTONIC SIGNATURE POLICY**

**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**, on November 26, 2018, the Governing Board of COMB approved Resolution No. 674 adopting a Fiscal Policy to provide a frame work for the overall fiscal management of COMB pursuant to federal and state statutes and regulations, various Cachuma Project operating agreements, applicable administrative polices and generally-accepted accounting principles; and

**WHEREAS**, COMB makes use of electronic signature technology to collect and preserve signatures on documents in a secure and efficient manner; and

**WHEREAS**, COMB has developed an Electronic Signature Policy to accept the use of electronic signatures in all internal and external documents and transactions, where it is legally permissible and operationally feasible to do so, where existing technology permits, and where it is otherwise appropriate based on COMB preferences and practices; and

**WHEREAS**, the Electronic Signature Policy applies to documents requiring a signature of any person where the signature is intended to show authorship, approval, authorization, or certification, as permitted by law; and

**WHEREAS**, the legality and use of electronic signatures are governed by federal and state law. (See 15 U.S.C. §§ 7001, *et seq.* [U.S. Federal Electronic Signatures in Global and National Commerce Act]; California Government Code § 16.5; California Civil Code §§ 1633.1, *et seq.*

**WHEREAS**, on January 15, 2021, the COMB Administrative Committee reviewed the Electronic Signature Policy and forwarded that document to the Board, through this Resolution, with the recommendation to approve it.

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

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.
2. The Governing Board approves and adopts the Electronic Signature Policy.

**PASSED, APPROVED AND ADOPTED** by the Governing Board of the Cachuma Operation and Maintenance Board, this 25<sup>th</sup> day of January 2021, by the following roll call vote:

**Ayes:**

**Nays:**

**Absent:**

**Abstain:**

**APPROVED:**

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President of the Governing Board

**ATTEST:**

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Secretary of the Governing Board



**POLICY AND PROCEDURE  
CACHUMA OPERATION & MAINTENANCE BOARD**

<b>Approval Date:</b>	<b>POLICY TITLE</b>	<b>Policy No.: X.X</b>
01 / 25 / 2021	ELECTRONIC SIGNATURE POLICY	Page 1 of 3

**X.X ELECTRONIC SIGNATURE POLICY**

**1. PURPOSE AND SCOPE**

This Electronic Signature (eSignature) Policy (Policy) shall be used by the Cachuma Operation & Maintenance Board (COMB) to increase productivity and ensure convenient, timely, and appropriate access to COMB information by using electronic signature technology to collect and preserve signatures on documents quickly, securely, and efficiently. This Policy establishes when electronic signature technology may replace a handwritten signature; and therefore, allow the use of paperless, electronic documents whenever appropriate and allowed by law.

This Policy applies to all signatures used in processing various COMB documents and requires, and thereby assumes, that the respective signer has been given the authority to sign a document as determined by COMB policy. While the use of electronic signatures is deemed legal and permissible, this Policy does not require the use of electronic signatures or mandates that any third party signing a document use electronic signatures.

The legality and use of electronic signatures are governed by federal and state law. (See 15 U.S.C. §§ 7001, *et seq.* [U.S. Federal Electronic Signatures in Global and National Commerce Act]; California Government Code § 16.5; California Civil Code §§ 1633.1, *et seq.*)

**2. POLICY**

This Policy applies to documents requiring a signature of any person where the signature is intended to show authorship, approval, authorization, or certification, as allowed by law.

It is the policy of COMB to accept the use of electronic signatures in all internal and external documents and transactions, where it is legally permissible and operationally feasible to do so, where existing technology permits, and where it is otherwise appropriate based on COMB preferences. In such situations, affixing an electronic signature to a document in a manner consistent with this Policy shall satisfy the COMB's requirements for signing a document.

As used in this Policy, the term "signature" includes using initials on a document instead of a signature.

**3. AUTHORITY**

Pursuant to this Policy, the COMB General Manager shall be authorized to send out documents for eSignature, and shall determine whether other employees will also be authorized to send out documents for eSignature on behalf of COMB. All COMB users of electronic signature technology shall conform to the rules set forth in this Policy, as may be amended from time to time.

**4. REQUIREMENTS OF AN ELECTRONIC SIGNATURE**

The use of electronic signatures is permitted and shall have the same force and effect as the use of a “wet” or manual signature, where all the following criteria are met:

- a. The electronic signature is unique to the person using it.
- b. The electronic signature is capable of verification.
- c. The electronic signature is under the sole control of the person using it.
- d. A VeriSign Secure Sockets Layer (SSL) certificate is automatically issued by the electronic signature technology once a document is executed.

**5. COMMON TYPES OF DOCUMENTS**

Examples of common types of documents are listed in the following table, with notes on each type of document. The General Manager shall consult with Legal Counsel to determine where applicable laws permit an electronic signature to be used.

Document Type Examples	Is Use of an Electronic Signature Acceptable?	Notes
Memos, Forms, Board Letters, Correspondence, Meeting Minutes, Administrative Policies, Internal Approvals	Yes	
Contracts/Service Agreements and Amendments, Leases* Purchase Orders, Letters of Agreement	Yes	*Leases that will not be recorded are allowed for eSignature.
Certificates, Permits	Yes, if allowed by law	General Manager shall consult with Legal Counsel to determine where applicable laws permit an eSignature to be used.
Transactions involving Real Property (e.g. deeds, transfers of title)	No	
Documents Requiring Notarization*	No	*Leases that will not be recorded may be signed electronically.
Documents Requiring the Board President’s Signature	Yes*	A “wet” or manual signature shall be obtained for COMB Board Resolutions.

**6. STORAGE AND ARCHIVING OF ELECTRONICALLY SIGNED DOCUMENTS**

If a document exists only electronically, steps shall be taken to ensure that a fixed version of the final document is stored, so long as it does so in a manner consistent with any applicable COMB document retention or destruction policies and any applicable laws.

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	January 25, 2021
Approved by:	Janet Gingras

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**SUBJECT:** Resolution No. 723 – Issuance of Letter to Reclamation for Commencement of a Long-Term Contract for Transfer of the Operation and Maintenance of the Transferred Project Works – Cachuma Project, California (Contract No. 14-06-200-5222RA)

---

**RECOMMENDATION:**

The Board of Directors review the proposed letter for issuance to Reclamation and approve and authorize, through adoption of Resolution No. 723, the Board President to execute and send the letter to the Bureau of Reclamation for commencement of a Long-Term Transferred Project Works Contract.

**SUMMARY:**

The Cachuma Operation and Maintenance Board (COMB) and the United States Department of the Interior, Bureau of Reclamation (Reclamation), entered into the Transfer of Operation and Maintenance of the Cachuma Transferred Project Works Contract No. 14-06-200-5222R (Contract) on March 1, 2003. Subsequently, an amendatory contract (14-06-200-5222RA) was executed between Reclamation and COMB effective September 30, 2020 which amended and extended the 2003 contract for a three (3) year period until September 30, 2023.

Reclamation requires a letter from the Board of Directors indicating interest in commencing the initiation of a long-term Contract for the Transfer of the Cachuma Project Transferred Projects Works. The letter requests the long-term contract be executed in perpetuity (in alignment with the Water Service Contract with Santa Barbara County); or for a minimum period of forty (40) years.

In addition, the Board is required to adopt a resolution which will be presented to Reclamation with the letter. Attached is the proposed letter and Resolution No. 723 submitted for Board approval and adoption.

**LEGAL CONCURRENCE:**

Legal Counsel has reviewed Resolution No. 723 and the proposed letter to Reclamation.

**COMMITTEE STATUS:**

The Administrative Committee reviewed the proposed letter to Reclamation and forwards to the Board with a recommendation to approve and authorize, through adoption of Resolution No. 723, the Board President to execute and send the letter to Reclamation for commencement of a Long-Term Transferred Project Works Contract.

**LIST OF EXHIBITS:**

1. Resolution No. 723
2. Letter to Reclamation for Commencement of a Long-Term Operation and Maintenance Contract

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**RESOLUTION NO. 723**

**RESOLUTION OF THE GOVERNING BOARD OF THE  
CACHUMA OPERATION & MAINTENANCE BOARD AUTHORIZING  
A LETTER BE SENT TO THE UNITED STATES BUREAU OF RECLAMATION FOR  
COMMENCEMENT OF A LONG-TERM CONTRACT FOR THE TRANSFER OF  
OPERATION AND MAINTENANCE OF THE TRANSFERRED PROJECT WORKS –  
CACHUMA PROJECT, CALIFORNIA**

**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 the Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation (“Reclamation”); and

**WHEREAS**, On March 1, 2003, Reclamation and COMB entered into renewal Contract No. 14-06-200-5222R, (“O & M Contract”), which provides for the transfer of the operation and maintenance of certain specifically-identified “Transferred Project Works” to COMB; and

**WHEREAS**, On September 28, 2020, COMB and Reclamation entered into an Amendatory Contract No. 14-06-200-5222RA, (“Amendatory Contract”), which provides for the extension of the 2003 O & M Contract, including updated standard articles, for a period of three (3) years through September 30, 2023; and

**WHEREAS**, the Amendatory Contract expires on September 30, 2023 and it is deemed to be in the best interest of COMB to continue the operation and maintenance of the Transferred Project Works; and

**WHEREAS**, the United States, through Reclamation, has determined that COMB to date has fulfilled all of its obligations under the O&M Contract and Amendatory Contract; and

**WHEREAS**, the Administrative Committee reviewed the proposed letter and this resolution on January 15, 2021 and forwards to the Board with the recommendation to adopt Resolution No. 723 authorizing the Board President to execute the letter and send to Reclamation; and

**WHEREAS**, COMB is requesting that Reclamation initiate the process for negotiating and executing a long-term contract that will provide for the transfer of operation and maintenance of the Transferred Project Works to COMB in perpetuity, or for a minimum period of forty (40) years (“Long-Term O&M Contract”).

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

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.

2. The Governing Board approves and authorizes a letter be sent to Reclamation indicating the desire and request of COMB to initiate negotiations for the purpose of entering into a Long-Term O&M Contract prior to the expiration date of the Amendatory Contract.

**PASSED, APPROVED AND ADOPTED** by the Governing Board of the Cachuma Operation and Maintenance Board, this 25th day of January 2021, by the following roll call vote:

**Ayes:**

**Nays:**

**Abstain:**

**APPROVED:**

---

President of the Governing Board

**ATTEST:**

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Secretary of the Governing Board

January 25, 2021

**VIA REGULAR MAIL**

Mr. Ernest Conant, Regional Director  
Interior Region 10 - California-Great Basin  
U. S. Bureau of Reclamation  
2800 Cottage Way, Room 3-1604  
Sacramento CA 95825-1898

Subject: **Request for Long Term Contract for the Transfer of the Operation and Maintenance of the Transferred Project Works – Cachuma Project, California  
Contract No. 14-06-200-5222RA**

Dear Mr. Conant:

The Cachuma Operation and Maintenance Board (COMB) and the United States Department of the Interior, Bureau of Reclamation (Reclamation), entered into the Transfer of Operation and Maintenance of the Cachuma Transferred Project Works Contract No. 14-06-200-5222R on March 1, 2003 (Existing Contract). Effective September 28, 2020, COMB and Reclamation executed the Transfer of Operation and Maintenance of the Cachuma Transferred Project Works Amendatory Contract No. 14-06-200-5222RA (Amendatory Contract). The Amendatory Contract is effective for a three (3)-year period and will expire on September 30, 2023.

The Board of Directors of COMB hereby requests Reclamation to commence the process for negotiating and executing a long-term contract for the Transfer of Operation and Maintenance of the Cachuma Transferred Project Works (Long-Term O&M Contract). The Board proposes the Long-Term O&M Contract be executed in perpetuity (to align with the Cachuma Project Water Service Contract with Santa Barbara County); or for a minimum period of forty (40) years.

Please contact Ms. Janet Gingras, COMB General Manager, by email at [jgingras@cachuma-board.org](mailto:jgingras@cachuma-board.org) or by phone at (805) 687-4011 x 201, to schedule future technical and/or negotiation sessions regarding the proposed Long-Term O&M Contract. COMB looks forward to continuing to work with Reclamation on this and other important related matters.

Sincerely,

Ms. Polly Holcombe  
President of the Board of Directors  
Cachuma Operation and Maintenance Board

cc: Mr. Michael Jackson, P.E., Area Manager, Reclamation  
Mr. Duane Stroup, P.E., Deputy Area Manager, Reclamation  
Mr. David Hyatt, Resource Management Division Chief, Reclamation  
Mr. John McInnes, General Manager, Goleta Water District  
Mr. Joshua Haggmark, Water Resources Manager, City of Santa Barbara  
Mr. Nicholas Turner, General Manager, Montecito Water District  
Mr. Robert McDonald, General Manager, Carpinteria Valley Water District

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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 25, 2021

## **General Manager Report**

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

### Administration

- **COVID 19 Update**

The Santa Barbara County Health Department has released their guidelines which outlines prioritization for the COVID 19 vaccine distribution. The Phase I, Tier I vaccinations are underway and include the target population of acute care hospital and correctional facility staff, paramedics, EMT's and others providing emergency medical services, and staff/residents of long term care facilities.

Additionally, the Phase 1A, Tier 2 vaccinations are currently underway with a target population of home health care and supportive services staff, community health workers, primary and urgent care clinics. The Phase 1A, Tier 3 vaccinations are underway and include the target populations of laboratory workers, dental professionals, and pharmacy personnel.

Phase 1B, Tier's 1 and 2 are estimated to be scheduled for early February through mid March. This target population includes persons 65 and older and those at risk of exposure in the sectors including education, childcare, firefighters, law enforcement, agriculture workers, transportation, and critical manufacturing.

The Phase 1C vaccine distribution target population include persons age 50 – 64, younger persons who have an underlying health condition, and those at risk of exposure at work in the following sectors:

- Water and Wastewater
- Defense
- Energy
- Communications
- Financial services
- Government operations

COMB's operations staff are categorized in the Phase 1C target population, including some staff in our Fisheries Division. The delivery date for vaccines for the Phase 1C target population will be stated following the completion of Phase 1A and 1B. Administration has registered appropriate COMB staff with the County in preparation of vaccine distribution for the Phase 1C target population.

- **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. COMB also reviewed its IT equipment inventory with Turenchalk for any possible upgrades and/or replacement.

U.S. Bureau of Reclamation

- **Security and Safety**

In an effort to maintain situational awareness, Reclamation notified all contractors that federal facilities were on heightened awareness for security and safety protocols the week of the Presidential Inauguration event. COMB staff took precautionary measures and visited/reviewed all federal facilities under our scope of responsibility to ensure general operational conditions were maintained and no unusual or unauthorized activities were present.

**COMB 2020 Activities, Accomplishments and Goals by Division**

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**Administrative Division Activities / Accomplishments**

**Cachuma Transferred Project Works Contract**

- Initiated renewal discussions with United States Bureau of Reclamation for the Cachuma Transferred Project Works Contract
- Executed a three-year amendatory contract

**CAFR Audit / Budget Process**

- Awarded the Certificate of Achievement for Excellence in Financial Reporting from the Government Finance Officers Association (GFOA) for the Fiscal Year 2018-19 Comprehensive Annual Financial Report (CAFR)
- Fiscal Year 2019-20 Audited Financial Statements received an unmodified (“clean”) opinion
- Successfully completed a Single Audit requirement in compliance with two Federal grant awards received in Fiscal Year 2019-20. Received an unmodified (“clean”) opinion
- Expanded the FY 2020-21 COMB Operating Budget document in accordance with GFOA guidelines

**Risk Management**

- Completed a Cybersecurity Risk and Resiliency Assessment in compliance with the America's Water Infrastructure Act
- Received a Retrospective Premium Adjustment (RPA) refund of \$39.8k from ACWA/JPIA Liability, Property and Worker's Compensation program resulting from a low claims history
- Established operational protocols and implemented business continuity practices in response to the COVID-19 local emergency and global pandemic

**IT Technology / Communications**

- Advancement of IT network and infrastructure and security protocols
- Developed a Cybersecurity Response Plan to improve the resiliency of the COMB IT network and computer system
- Upgraded COMB's email platform to reduce external exposure against malware attacks and to protect the current IT infrastructure

**Planning and Reporting**

- Updated COMB's Personnel Policy and Employee Handbook
- Created COVID-19 Preparedness and Response Plan
- Advancement of Infrastructure and Habitat Improvement Project Tracking activities and costs
- Advancement of COMB's grant tracking matrix

**Staff Development**

- COMB staff participated in required Sexual Harassment Prevention training sponsored by ACWA/JPIA in compliance with California AB 1825, AB 2053 and AB 1661



**Internal Goals**

- Coordinate administration to execute a long-term Cachuma Transferred Project Works Contract
  - Enhance CAFR audit/budget documents
  - Advancement of risk management programs
  - Leverage advances in technology
  - Advancement of Board Policies and Internal Procedures
  - Staff professional development and training
- 

**Engineer - Operations Division Activities / Accomplishments**

During Calendar Year 2020 COMB continued to focus its efforts on water supply reliability, infrastructure improvements, environmental stewardship, policies and financial responsibility, and improving workforce capabilities. Outlined below are highlights of accomplishments during this past year.

- Successfully performed the Schedule D shutdown of the South Coast Conduit Air Vacuum Air Release/Blow Off (AVAR/BO) Rehabilitation project in the Montecito area. External contractor rehabilitated 8 structures in the Montecito area with construction management performed by COMB staff
- Successfully performed the Schedule E shutdown of the South Coast Conduit (AVAR/BO) Rehabilitation project in the Summerland area. External contractor rehabilitated three AVAR-BO structures with construction management performed by COMB staff
- Operated and maintained the South Coast Conduit, which consists of 26.5 mile of pipeline with a combined 124 blow off and air vent structures, 43 turnout structures, 20 meters and 4 regulating reservoirs
- Participated in the Annual Site inspections with US Bureau of Reclamation Engineering staff
- Received, reviewed, and completed 1410 Underground Service Alerts (Dig Alerts) tickets
- Review 31 proposed development projects near the South Coast Conduit easement and coordinated with the County of Santa Barbara and Reclamation Lands Division on their approval
- Performed a leakby test on Toro Canyon Isolation Valve to verify function
- Monitored numerous construction projects adjacent to and within the United States Bureau of Reclamation right-of-way to ensure the protection of the South Coast Conduit
- Completed designs on the secured pipeline project to better prepare for future drought conditions and incorporate lessons from previous drought
- Prepared a Risk and Resilience Assessment and Emergency Response Plan for the Cachuma Project system in coordination with the COMB Member Agencies
- Managed the Lake Cachuma Water Quality and Sediment Management Study with the final report completed in August 2020
- Installed, calibrated and maintained a solar-powered water quality monitoring buoy at the Lake Cachuma North Portal Intake Tower to provide real-time data on water quality
- Upgraded and calibrated the water quality sonde to take profiles including chlorophyll a and phycocyanin concentrations. Performed supplemental water quality sampling at Lake Cachuma

- Incorporated water quality profiling at the Intake Tower and provided data to the South Coast water treatment plant's technical staff as part of a monthly sampling program
- Developed a Supervisory Control and Data Acquisition (SCADA) Master Plan to manage system upgrades. Replaced outdated Programmable Logic Controllers at two locations (PLC 7 and PLC 8) with external contractor
- Developed a Cybersecurity Response Plan to improve the resiliency of the COMB IT network and computer system
- Updated the COMB Infrastructure Improvement Plan for FY 2021-2025
- Continued advancement of COMB's internal water accounting model to automate and improve monthly water accounting reports
- Updated Geographic Information Systems (GIS) mapping of the South Coast Conduit (SCC) incorporating elevations based on drawings to allow evaluation of depth of cover at key locations (slopes/creek crossings). Revised SCC alignment based on potholing conducted within the easement of the South Coast Conduit. Potholed the conduit in seven locations and incorporated data into GIS system
- Hired a new Operations Supervisor and Water Service Worker
- Two staff members completed course work for the Water Service Worker certification program. Exams were postponed due to COVID-19

#### **Calendar Year 2021 Goals**

- Complete upgrade of all the Programmable Logic Controllers in COMB's SCADA system (six remaining)
- Continue structure rehabilitation on the lower reach of the South Coast Conduit – (12 remaining structures in the Carpinteria area) and raise all subgrade South Coast conduit subgrade air vents
- Make improvements to the South Coast Conduit in collaboration with CVWD to allow for improved future maintenance of the South Coast Conduit in that area
- Implement Phase 2 actions for the Lake Cachuma Water Quality and Sediment Management Study related to phosphorous and total organic carbon sources
- Participate in Reclamations 2021 Comprehensive Facility Review for all four dams and make necessary improvements to complete Reclamation recommendations
- Continue to organize and digitize historical records with focus on historical photos of the construction of the South Coast Conduit
- Perform a comprehensive update of the GIS information in COMB's field mapplot system with 2020 aerial photo and updated GIS information. Locate and digitize lateral piping off of the South Coast Conduit
- Continue to improve system records for maintenance and right-of-way program
- Continue to encourage staff development and certification as water system distribution operators, qualified applicators, and appropriate safety training
- Continue to work with the Santa Barbara County Office of Emergency Services MAC group to update the 2017 Hazard Mitigation Plan (HMP) and COMB Annex
- Continue to seek grant funding for upcoming projects, especially for projects listed within the Infrastructure Improvement Plan's five year planning horizon
- Complete the Watershed Sanitary Survey 2021 Update (WSSU) using external consultant managed by COMB staff

**Fisheries Division Activities / Accomplishments**

- Met all 2000 Biological Opinion and Water Orders monitoring, compliance, and reporting measures
- Completed the Quiota Creek Crossing 8 Project
- Completed the South Side Erosion Control and Reforestation Project at Quiota Creek Crossing
- Completed the WY2018 Annual Monitoring Report (AMR) and WY2018 Annual Monitoring Summary (AMS)
- Completed the WY2019 AMR and WY2019 AMS
- Completed the WY2020 AMR
- Authored the Reasonable and Prudent Measure (RPM) 6 Compliance Report for the WR 89-18 release in 2019
- Monitored and authored the report of the WY2020 Passage Supplementation events
- Provided to Reclamation the Event Report for the high flow event on 4/6/20
- Planted 311 new oak trees around the County Park at Lake Cachuma as part of the mitigation effort
- Worked closely and collaboratively with CDFW on fish rescue in the LSYR mainstem as the river was drying out in two different areas over several weeks
- Purchased and put into use a new YSI Conductivity and Temperature hand-held field instrument
- Worked closely with Reclamation to improve the flow and water quality being released from Bradbury Dam in support of the downstream *O. mykiss* population
- Transferred all field monitoring data to Reclamation as requested and completed a QA/QC process of the entire dataset with Reclamation staff
- Caught up on scale mounting, photographing, reading, and reporting for 2019 and 2020
- Worked with the COMB Opts crew on monitoring algae and nutrients in Lake Cachuma throughout the year
- Added to the Water Truck an independent water pumping system, new valves for the 5 large sprayers to eliminate leakage, and new lids to the equipment storage bins
- Repaired the water trailer tank twice to address leaks while better fastening the tank to the trailer, as well as strengthened the leaf springs
- Gave a presentation at the ESRI International Users Conference on the completion of Quiota Creek restoration projects
- Continued to assist the COMB Opts crew on biological monitoring at the San Jose Creek Project

**Internal Goals**

- Continue Implementation of the monitoring and survey program per the 2000 Biological Opinion
- Continue collaboration with Reclamation on best management practices for Hilton Creek
- Continue collaboration with Reclamation on any monitoring or reporting tasks that they request regarding compliance with any of the State Water Orders (specifically WR 89-18 and WR 2019-0148)
- Continue annual development and implementation of a Migrant Trapping Plan in collaboration with Reclamation
- Collaborate with Reclamation on the implementation and reporting of the Passage Supplementation Program
- Discuss with Reclamation the possibility of a long-term gravel augmentation program in Hilton Creek and other locations
- Work with Reclamation to gather continuous water quality data within the LSYR Basin
- Maintain the LSYR *O. mykiss* scale inventory and conduct analyses on data
- Continue working with the US Geological Survey on gauges
- Continue to maintain and develop landowner relationships in the LSYR basin
- Continue education and collaboration with other *O. mykiss* monitoring programs within the Southern California Steelhead DPS to improve collective knowledge

Respectfully Submitted,

*Janet Gingras*

General Manager

# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** January 25, 2021  
**TO:** Janet Gingras, General Manager  
**FROM:** Joel Degner, Engineer/Operations Division Manager  
**RE:** **MONTHLY ENGINEERING REPORT**

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

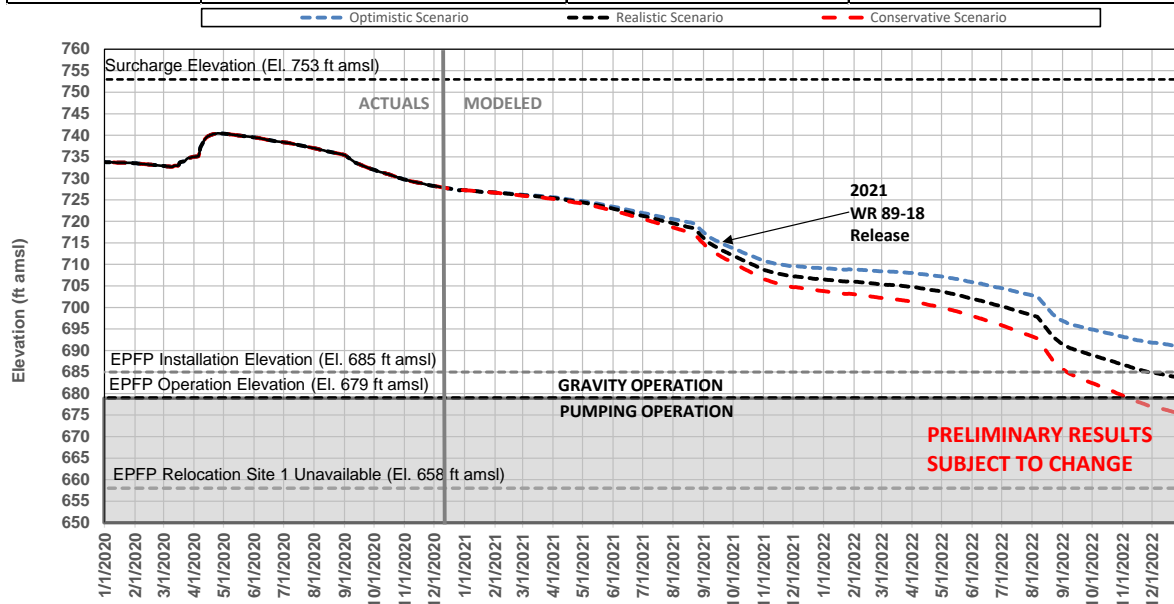
### CLIMATE CONDITIONS

The rainfall in Water Year 2020-21 is 29 percent of normal for Santa Barbara County. Santa Barbara County is classified as moderately dry as of 1/12/21 according to the U.S. Drought Monitor. La Niña conditions are present and the National Weather Service Climate Prediction Center predicts it is likely to continue for the winter of 2020-21 (~95% chance during January-March). The live fuel moisture levels at Lake Cachuma were 62 percent as of 1-14-2021 which is just above the critical threshold of 60 percent. With the low live fuel moisture levels, fires are still a possibility in the Lake Cachuma watershed and a red-flag warning was issued for January 19<sup>th</sup> and 20<sup>th</sup>.

### LAKE ELEVATION

Lake Cachuma is currently at 63.9% capacity (726.94' as of 1/19/20). Figure 1 provides the lake elevation projection as of 1/19/2021. If drier than normal conditions continue, Hilton Creek Water System pumps and Emergency Backup System will need to be placed into service by the spring/summer of 2021 and the Emergency Pumping Facility may be need to be installed by Fall 2022.

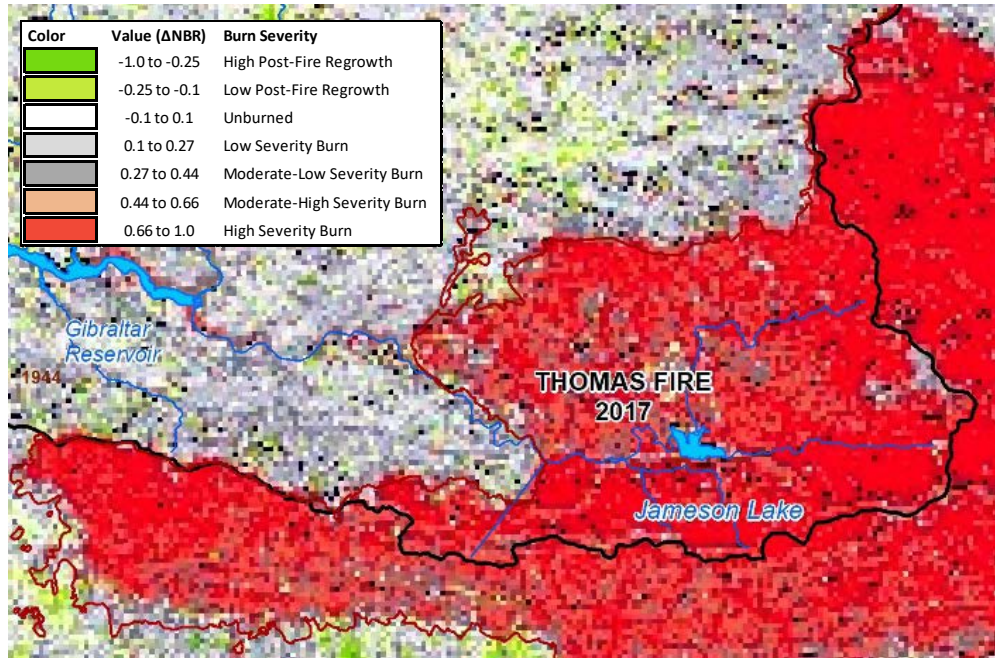
Parameter	Optimistic	Realistic	Conservative
SCC Exports	80% Forecast	Forecast	120% of Forecast
CCWA Inflow	120% Forecast	Forecast	80% of Forecast
WR 89-18 Release 2021	12,000 AF	12,000 AF	12,000 AF
WR 89-18 Release 2022	8,000 AF	8,000 AF	8,000 AF



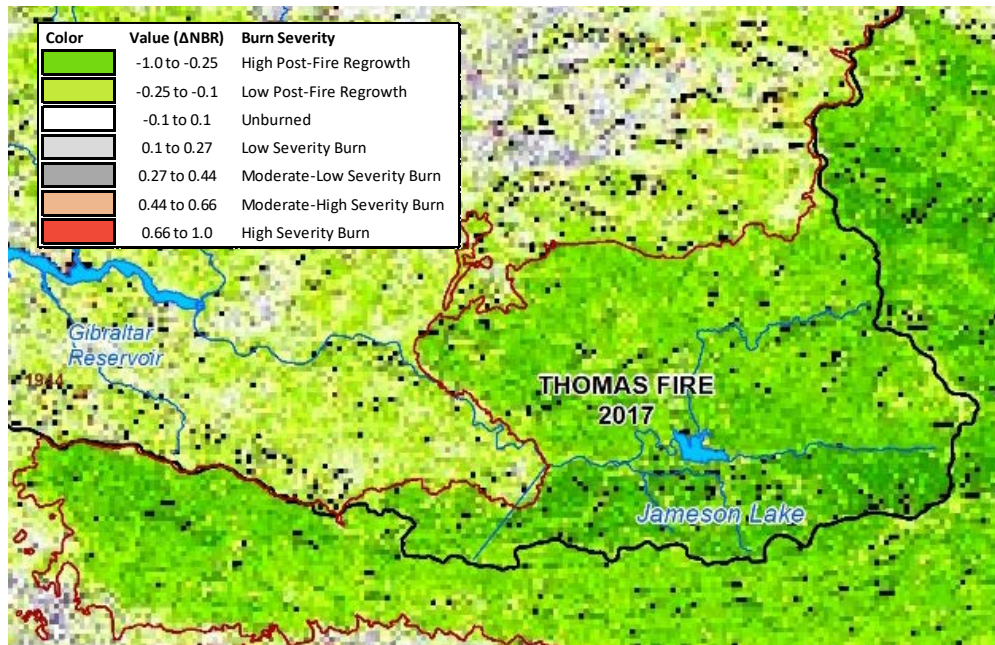
**Figure 1. Lake Elevation Projection assuming Dry Year Hydrology (as of 1/19/2021)**

## THOMAS/WHITTIER FIRE VEGETATION RECOVERY

It is been three years since the Thomas Fire and Whittier Fire burned portions of the Lake Cachuma watershed in 2017. COMB staff has been investigating various methods to determine post-fire vegetation recovery at a watershed-scale for understanding potential sediment and water quality impacts. Immediately following fires, satellite imagery is utilized to evaluate burned areas and the burn severity. The normalized burn ratio is typically used to index the burn severity and can also be used to evaluate recovery. Below are preliminary results showing the differenced Normalized Burn Ratio (dNBR) for the Thomas Fire in the Lake Cachuma Watershed following the fire (Figure 2) and following three years of recovery (Figure 3, as of 1-11-2021)



**Figure 2.** Sentinel 2 Imagery: differenced Normalized Burn Ratio (dNBR) - Pre-Thomas Fire (11-23-2017) minus Post-Thomas Fire (3-28-2018); Burn

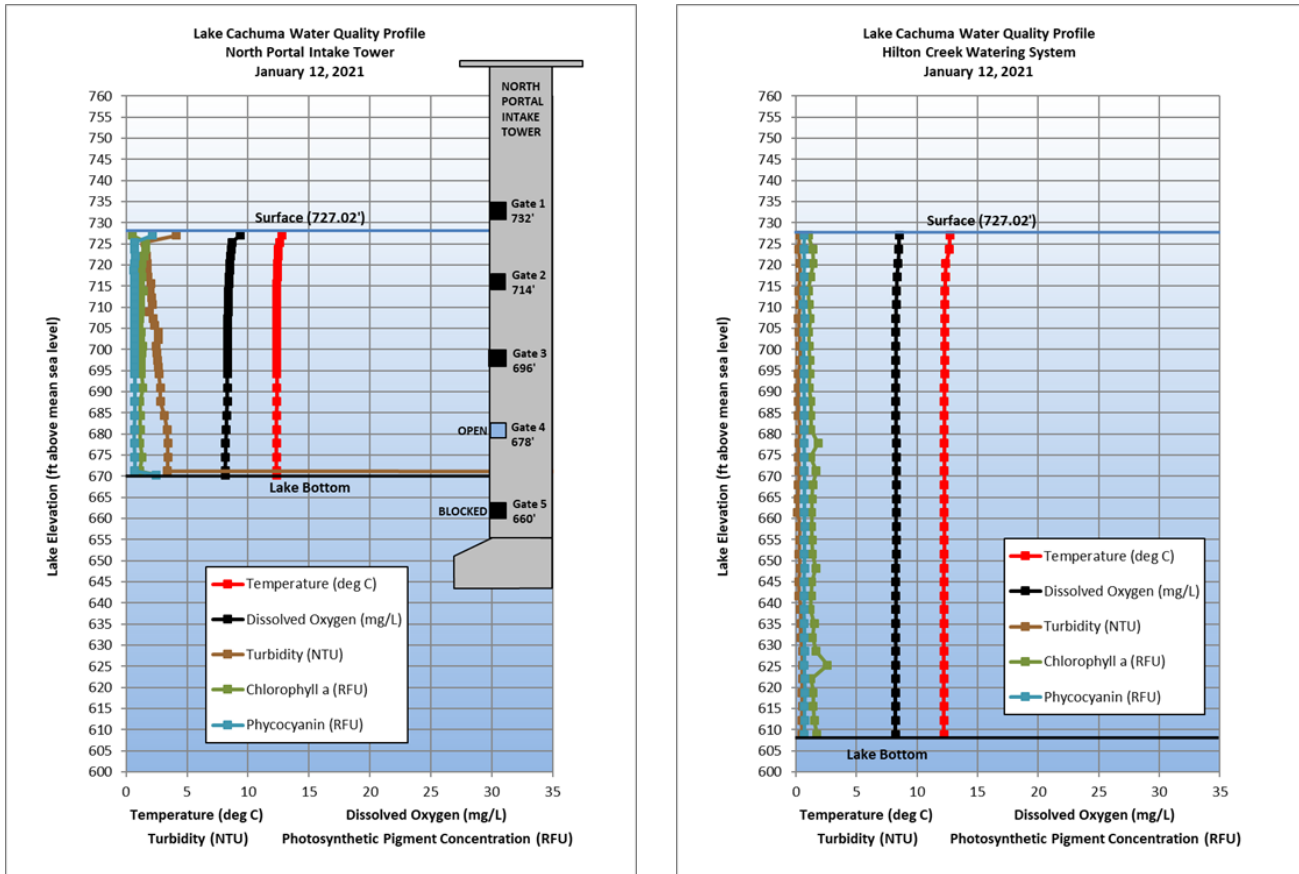


**Figure 3.** Sentinel 2 Imagery: differenced Normalized Burn Ratio (dNBR)- Post-Thomas Fire (3-28-2018) minus Current (1-11-2021); Recovery

The Thomas Fire and Whittier Fire burn areas have had higher recovery on the north-facing slopes. North facing-slopes are cooler and moister due to less sun exposure. More work needs to be done on determining the soil erosion risk following the fires for Lake Cachuma sedimentation rates and water quality impacts. However, visually and based on satellite imagery, the burned areas appear to have recovered significantly since the fires in 2017.

**LAKE CACHUMA WATER QUALITY UPDATE**

COMB staff continues to take water quality profiles at Lake Cachuma. The latest profile from January 12<sup>th</sup>, shows that the lake is fully mixed with nearly vertical profiles for temperature and dissolved oxygen Figure 4. Figure 4 provides the most recent monthly data taken at the Intake Tower and at Hilton Creek watering system. The data is useful to the South Coast water treatment plant operators to determine optimum drafting gate for water quality and provides important information on the water quality of the Hilton Creek watering system. COMB staff is prepared to take water quality samples of tributary inflow, but no significant inflow has occurred that could impact the water quality of the lake. COMB staff is also preparing a work plan for Phase 2 implementation actions for the Lake Cachuma Water Quality and Sediment Management Study.



**Figure 4. Lake Cachuma Water Quality Profile Data**

**INFRASTRUCTURE IMPROVEMENT PROJECTS**

Table 1 provides a summary of the status of Fiscal Year 2020-21 projects.

**Table 1. Fiscal Year 2020-2021 Infrastructure Improvement Projects**

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
<b>Infrastructure Improvement Projects</b>			
SCADA System	COMB entered into a contract with Aspect Engineering to replace the 6 remaining legacy PLCs. Aspect has prioritized PLC 3, 6, and 9. Aspect has purchased most the hardware components required.	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	Admin and Fisheries modular office building replacement approved by the board and the designs are in the process of finalization by COMB staff.	COMB Admin and Fisheries modular offices will be replaced in-kind to limit complexity and challenges of construction.	Modular buildings are tentatively scheduled for fabrication in March.
SCC Structure Rehabilitation : AVAR/BO Valves	Contract in place and work on structures is planned for early March.	COMB plans to prioritize non-shutdown related work that can be completed this winter for this fiscal year.	Non-shutdown work will likely be done March-April. Shutdowns needs to be coordinated with Reclamation and CVWD.
SCC Line Valves for Shutdown	Preliminary design of the La Mirada line valve in Carpinteria is currently under review by Reclamation and Caltrans.	Additional line valve(s) are needed in Carpinteria to facilitate shutdown work.	Construction planned for early Spring 2021 but dependent on Reclamation and Caltran approval.
SCC Structure Rehabilitation : Lower Reach Laterals	COMB and CVWD staff exercised Laterals 1 to 6 valves and plans to exercise valves in laterals 7 to 29 In the next several weeks.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CVWD on this project.	Initial construction planned for Spring 2021 but will depend on collaboration with CVWD.
<b>Special Projects</b>			
Emergency Pumping Facility - Secured Pipeline Project	Engineering designs have been submitted to Reclamation for their MP620 review. Project description prepared for environmental review. Key components of the barge are currently being stored under contract.	The lake elevation is projected to remain above 685' until the Summer/Fall 2022. Installation of the EPFP is needed when the elevation falls below 685'.	Construction could occur in Spring/Summer of 2022 depending on lake elevations.



## CACHUMA OPERATION AND MAINTENANCE BOARD

**DATE:** January 25, 2021  
**TO:** Janet Gingras, General Manager  
**FROM:** Shane King, Operations Supervisor  
**RE:** **MONTHLY REPORT OF OPERATIONS – December 2020**

The total flow from Lake Cachuma into the Tecolote Tunnel for December was 1,697.0 acre-feet, for an average daily flow of 54.74 acre-feet. Lake elevation was 728.20 feet at the beginning of December and 727.25 feet at the end of December. Storage decreased by 2,230 acre-feet. CCWA wheeled 10.0 acre-feet of water to Cachuma Project facilities. The City of Santa Barbara wheeled 322.35 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 322.5 acre-feet of water to Hilton Creek for the month of December. The Water Rights 89-18 release to recharge downstream aquifers ended December 2<sup>nd</sup> and the United States Bureau of Reclamation (USBR) released 10.0 acre-feet of water to the downstream users 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.
- Conducted 5 flow changes at the North Portal during the month of December
- Reviewed several projects for conflicts within the SCC right of way
- Received and responded to 118 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 slide gates on the intake tower were cleaned and inspected. Inspection includes the condition of the sacrificial anodes, condition of the screens themselves, and to verify there are no signs of mussel/clam formations.
- The slide gates on the Intake Tower at Cachuma Lake were exercised and greased to ensure proper functionality.
- Operations staff uncovered 2 historical anodes that are part of the cathodic protection system for the SCC within the COMB yard. The 2 anodes were excavated and brought up to grade level for future monitoring and maintenance.
- Operations staff assisted the Fisheries staff in the repairing/upgrading of COMB's water trailer. The tank had several small leaks which were repaired along with the replacement of all plumbing/hoses for the water tank. Also some issues with the rear axle suspension were addressed.
- Staff installed a new pump for the Lauro reservoir debris basin. The pump was inoperable for several months and needed to be replaced. COMB hired an electrician to perform the electrical installation.
- The Lauro debris basin was cleaned out in preparation of this year's rain season. This task included clearing out of all vegetation and debris from the basin bottom.
- Operations staff assisted the Fisheries division staff in planting 325 oak trees. These trees were planted at Cachuma Lake within the county park area.
- Operations staff assisted "Emerson Process Management" in the calibration of COMB's venturi meters. These meters include: The Tecolote tunnel inflow meter, the Lauro reservoir inflow meter, the Sheffield south flow meter, and the Ortega reservoir outflow meter.
- Staff assisted "Aspect Engineering" in reconfiguring PLC communication system for all of COMB's PLCs. This task was completed to assure the security and reliability of the PLC's communications.
- COMB staff performed supplemental planting of cottonwood trees near the San Jose Creek-South Coast Conduit project site.
- COMB staff also located three discontinued piezometers at Lauro Reservoir (A, B, and C) as part of the preparation for the Comprehensive Facility Review by Reclamation.

**Lauro Debris Basin Cleaned and Pump Replaced**



**Two Anodes Relocated and Access Lids Raised to Surface**



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

**DATE:** January 25, 2021  
**TO:** Janet Gingras, General Manager  
**FROM:** Tim Robinson, Fisheries Division Manager  
**RE: MONTHLY FISHERIES DIVISION REPORT**

**HIGHLIGHTS:**

- USBR continues to deliver the required 2000 Biological Opinion target flows by gravity through the Hilton Creek Watering System (HCWS) at approximately 5.2 cfs to the Upper Release Point which is sustaining the *O. mykiss* population in the creek.
- The 2000 BiOp and Order WR 2019-0148 target flows to the Hwy 154 Bridge are being met by USBR for a Below Normal water year through releases to Hilton Creek and from 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 2004 Lower Santa Ynez River Fish Management Plan (SYRTAC, 2000) and the Monitoring Program in the 2000 Revised Biological Assessment (BA), the COMB Fisheries Division (FD) staff conducts routine monitoring of steelhead/rainbow trout 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 removed at the beginning of December to record water temperatures at all designated locations within the LSYR mainstem and several tributaries. The thermograph network has been deployed since April 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 solids 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 three times a year at the end of the spring, summer, and fall. All snorkel surveys have been completed as of 12/9/20. The results are presented in the annual monitoring report.

***Beaver Dam Surveys:*** The annual Beaver Dam survey takes place in the late fall prior to stormflow events of that water year. Surveys consist of walking from Bradbury Dam to the

LSYR Lagoon and the basin's tributaries where access is allowed, recording where beaver dams are located, their height and width, ponded pool size and depth above, whether they are active or not, and photographed. The survey was completed in January and is 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 2021 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.

#### **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 HCWS by gravity flow to the Upper Release Point (URP) with no backup from the HCEBS. The HCEBS delivery pipeline across the Stilling Basin was removed 2/5/20. USBR is considering reinstalling the HCEBS delivery pipeline across the Stilling Basin when the lake elevation decreases to 725 ft (currently it is at 726.75 ft as of 1/20/21). This is particularly important since USBR doesn't like to run the HCWS on gravity when the lake is below elevation 724 ft. The HCEBS can be operated by gravity flow to the URP which is a far superior water delivery method to Hilton Creek rather than relying on the HCWS pumping system.

USBR reportedly inspected the HCWS pumping barge and its electrical systems during the week of 12/7/20. No date has been set for the installation of the long-standing ordered parts or any noted repairs during the current inspection.

#### **Surcharge Water Accounting:**

The following table summarizes the amount of surcharge water used to date from each of the three accounts plus unallocated project yield 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 accounts have been used and USBR is now using Project Yield 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, and 8/31/20 – 11/30/20. 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 explained in previous reports.

**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)
<b>Fish Passage Supplementation</b>			
<b>WY2019</b>	3,200	3,307	-107
<b>WY2020</b>	0	2,558	-2,558
<b>Adaptive Management</b>	500	149	351
<b>Fish Rearing***</b>	8,684	8,684	0
<b>Unallocated Project Yield</b>		20,695	
<b>Total:</b>	9,184	35,393	-2,314
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 12/31/20.			
*** 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:** The WY2020 Annual Monitoring Report (the USBR report) was submitted to USBR in the middle of December which was then submitted by USBR to NMFS and the State Board by the end of the year. Staff recently completed a draft of the WY2020 Annual Monitoring Summary (the COMB report) which is under internal review and should be out to the COMB Board Fisheries Committee soon for their review.

Staff submitted a draft of the 2020 WR 89-18 RPM 6 Monitoring Report to USBR. This is a requirement of the 2000 BiOp and was requested by USBR.

**Outreach and Training:** Outreach continues with Quiota Creek and Salsipuedes Creek watershed landowners, 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) – Processed the data gathered during their site visits last month to conduct performance evaluations at all fish passage restoration projects completed within the last 5 years.

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	January 25, 2021
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

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

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**RECOMMENDATION:**

For Board information only.

**SUMMARY:**

***Maintenance***

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since July, 2020 to the present (7/2/20 – 1/25/21, 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. The 2019 Annual Inventory has been completed and Fiscal Year 2019-20 Financials has been compiled by the COMB-FD staff for the annual report and have been presented to the Lake Cachuma Oak Tree Committee on 9/3/20 and the COMB Board on 10/26/20 who approved going forward with planting another 300 oak trees during the wet season of this water year.

Prior to planting, a round of watering and weeding was completed on the Year 10 and Year 11 trees, all in the Santa Barbara County Park.

***Planting***

During the last week of December and the first week of January, staff successfully completed planting 325 trees (referred to as Year 12 trees) in the Santa Barbara County Park in collaboration with the County Park director (Exhibits 1 and 2). The COMB Fisheries Division worked together with the Operations Division on all aspects of the planting effort specifically in digging holes with the COMB backhoe. Also, COMB equipment was used to place parking barriers at the Frisbee Golf Course to protect planted oak trees.

Tagging and taking GPS points of all Year 12 trees was completed during the second week of January (Exhibit 3). Due to the dry weather, no replacement trees have been planted yet. If the weather pattern changes to wet soon then replacement of approximately 100 dead trees from past year classes will be done.

***Annual Inventory***

The 2020 Annual Inventory of all year classes was started during the middle of January and will continue until completed (Exhibit 3).

**Table 1:** Cachuma Oak Tree Program completed tasks since July, 2020.

	July 2020	Aug 2020	Sept 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021 <sup>1</sup>
<b>Year 12 Oaks (2020-2021)</b>						New Trees Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated	New Trees Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated
<b>Year 11 Oaks (2019-2020)</b>		Irrigated Weeded	Irrigated Weeded		Irrigated Weeded	Irrigated Weeded	Irrigated Weeded
<b>Year 10 Oaks (2018-2019)</b>	Irrigated Weeded	Irrigated Weeded		Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded
<b>Year 9 Oaks (2016-2017)</b>	Irrigated Weeded	Irrigated Weeded		Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	
<b>Year 8 Oaks (2015-2016)</b>	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded		Irrigated Weeded		
<b>Year 7 Oaks (2014-2015)</b>			Irrigated Weeded				
<b>Year 6 Oaks (2010-2011)</b>							
<b>Year 5 Oaks (2009-2010)</b>							
<b>Year 4 Oaks (2008-2009)</b>				Deer Cages			
<b>Year 3 Oaks (2007-2008)</b>				Deer Cages			
<b>Year 2 Oaks (2006-2007)</b>							
<b>Year 1 Oaks (2005-2006)</b>							
<sup>1</sup> Oak tree inventory.							

**LIST OF EXHIBITS:**



**Exhibit 1:** Planting Year 12 trees at the Santa Barbara County Park specifically (a) digging holes, (b) planting, (c) mulching, and (d) fabricating deer cages.



**Exhibit 2:** Completed planting of Year 12 trees north of the Boat Wash and (b) installation of log and rock parking barriers to protect planted oak trees at the Frisbee Golf Course within the Santa Barbara County Park.



**Exhibit 3:** (a) Tagging Year 12 trees, (b+c) taking a GPS point of Year 12 trees plus inventorying, and (d) conducting the general annual inventory.

**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**METERED USE REPORT FOR NOVEMBER 2020**

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
<b>CARPINTERIA WATER DISTRICT</b>			<b>GOLETA WATER DISTRICT</b>		
Boundary Meter - East		344.69	18+62	G. WEST	100.59
Boundary Meter - West		(0.04)	78+00	Corona Del Mar FILTER Plant	811.09
			122+20	STOW RANCH	0.00
				SWP CREDIT (Warren Act Contract)	0.00
				Raytheon (SWP) (Warren Act Contract)	(4.00)
				Morehart (SWP) (Warren Act Contract)	(2.00)
			<b>TOTAL</b>		<b>905.68</b>
			<b>MONTECITO WATER DISTRICT</b>		
			260+79	BARKER PASS	63.90
			386+65	MWD YARD	0.02
			487+07	VALLEY CLUB	0.00
			499+65	E. VALLEY-ROMERO PUMP	106.54
			510+95	MWD PUMP (SWD)	14.35
			510+95	ORTEGA CONTROL	14.02
			526+43	ASEGRA RD	0.88
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.00
			599+27	TORO CANYON	0.00
				SWP CREDIT (Warren Act Contract)	0.00
			<b>TOTAL</b>		<b>199.72</b>
			<b>CITY OF SANTA BARBARA</b>		
			CATER	INFLOW	1,259.35
			Gibraltar	PENSTOCK	(485.06)
			CATER	SO. FLOW	(733.24)
			Sheffield	SHEF.LIFT	169.93
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre (SWP) (Warren Act Contract)	(63.45)
			<b>TOTAL</b>		<b>147.54</b>
			<b>SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1</b>		
			COUNTY PARK, ETC		1.27
			<b>TOTAL</b>		<b>1.27</b>
			<b>BREAKDOWN OF DELIVERIES BY TYPE:</b>		
			STATE WATER DELIVERED TO LAKE		90.00
			STATE WATER TO SOUTH COAST including from stored		69.45
			<b>METERED DIVERSION</b>		<b>1,598.86</b>
<b>SWP CREDIT (Warren Act Contract)</b> <span style="float: right;">0.00</span> <b>TOTAL</b> <span style="float: right;"><b>344.65</b></span>					
Note: Meter reads were taken on: <span style="color: red;">11/30/2020</span>					

**WATER YEAR 20-21 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF NOVEMBER 2020 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

<b>CACHUMA PROJECT</b>		
<b>WATER PRODUCTION:</b>	<b>MONTH</b>	<b>WYTD</b>
Cachuma Lake (Tec. Diversion)	1,564.2	3,288.9
Tecolote Tunnel Infiltration	78.5	169.3
Cachuma Lake (County Park)	1.3	3.1
<b>Subtotal - Water Production</b>	<b>1,644.0</b>	<b>3,461.3</b>
<b>WATER DELIVERIES:</b>		
State Water Diversion	69.5	76.6
Cachuma Diversion	1,598.9	3,422.7
Storage gain/(loss) <sup>(2)</sup>	(15.2)	(46.1)
<b>Subtotal - Water Deliveries</b>	<b>1,653.1</b>	<b>3,453.2</b>
<b>Total Water Production</b>	<b>1,644.0</b>	<b>3,461.3</b>
<b>Total Water Deliveries</b>	<b>1,653.1</b>	<b>3,453.2</b>
<b>Difference = Apparent Water Loss</b>	<b>(9.1)</b>	<b>8.1</b>
% Apparent Water Loss	-0.55%	0.23%

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

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>TOTAL</b>
<b><u>CURRENT MONTH CHARGE / (ADJUSTMENT)</u></b>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
<b>Total Current Month</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b><u>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</u></b>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
<b>Total AWL Charged (WYTD)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total AWL Not Charged (WYTD)</b>					<b>8.1</b>
<b>Total AWL Incurred (WYTD)</b>					<b>8.1</b>

**CACHUMA PROJECT WATER CHARGE**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>SYRID #1</b>	<b>TOTAL</b>
<b><u>CURRENT MONTH</u></b>						
Water Usage						
M&I	670.2	147.5	182.9	158.3	1.3	1,160.2
Agricultural	235.5	0.0	16.8	186.3	N/A	438.6
<b>Subtotal Project Water Use</b>	<b>905.7</b>	<b>147.5</b>	<b>199.7</b>	<b>344.7</b>	<b>1.3</b>	<b>1,598.9</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	33.6	98.6	18.1	9.2	6.4	165.8
<b>Total Project Water Charge</b>	<b>939.3</b>	<b>246.1</b>	<b>217.8</b>	<b>353.8</b>	<b>7.7</b>	<b>1,764.7</b>
<b><u>WATER YEAR-TO-DATE</u></b>						
Water Usage						
M&I	1,406.1	343.6	409.8	322.5	3.1	2,485.1
Agricultural	507.7	0.0	34.5	395.5	N/A	937.6
<b>Subtotal Project Water Use</b>	<b>1,913.8</b>	<b>343.6</b>	<b>444.3</b>	<b>717.9</b>	<b>3.1</b>	<b>3,422.7</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	99.9	270.5	51.2	28.1	17.5	467.2
<b>Total Project Water Charge (*)</b>	<b>2,013.7</b>	<b>614.1</b>	<b>495.5</b>	<b>746.0</b>	<b>20.5</b>	<b>3,889.9</b>

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

**WATER YEAR 20-21 CACHUMA PROJECT ALLOCATION**  
**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER PRODUCTION AND WATER USE REPORT**  
**FOR THE MONTH OF NOVEMBER 2020 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

**CACHUMA PROJECT WATER BALANCE**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>SYRID #1</b>	<b>TOTAL</b>
<b>Project Water Carryover - 10/1/2020</b>	8,297.4	20,298.1	4,015.7	2,410.8	1,303.6	36,325.6
Transfers/Adjustment	0.0	0.0	0.0	0.0	0.0	0.0
<b>(-) Project Water Charge (WYTD)</b>	<b>2,013.7</b>	<b>614.1</b>	<b>495.5</b>	<b>746.0</b>	<b>20.5</b>	<b>3,889.9</b>
<b>Balance Carryover Water</b>	<b>6,283.7</b>	<b>19,684.0</b>	<b>3,520.2</b>	<b>1,664.8</b>	<b>1,283.1</b>	<b>32,435.7</b>
<b>Current Year Allocation <sup>(5)</sup></b>	<b>9,322.0</b>	<b>8,277.0</b>	<b>2,651.0</b>	<b>2,813.0</b>	<b>2,651.0</b>	<b>25,714.0</b>
<b>(-) Balance of Project Water Charge (WYTD)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Net Allocation Available Before Adjustments</b>	<b>9,322.0</b>	<b>8,277.0</b>	<b>2,651.0</b>	<b>2,813.0</b>	<b>2,651.0</b>	<b>25,714.0</b>
<b><u>Adjustments to Net Allocation (WYTD)</u></b>						
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 <sup>(6)</sup>	25.0	17.0	17.0	11.0	(70.0)	0.0
Transfers/Adjustment - SB/La Cumbre	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Bishop Ranch	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Juncal Transfer	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap	0.0	0.0	0.0	0.0	0.0	0.0
<b>Balance Current Year Allocation</b>	<b>9,347.0</b>	<b>8,294.0</b>	<b>2,668.0</b>	<b>2,824.0</b>	<b>2,581.0</b>	<b>25,714.0</b>
<b>Total Cachuma Project Water Available</b>	<b>15,630.7</b>	<b>27,978.0</b>	<b>6,188.2</b>	<b>4,488.8</b>	<b>3,864.1</b>	<b>58,149.7</b>

**Footnotes**

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only.
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017.
- (5) Per USBR, 100% allocation to Member Agencies, effective 10/1/20.
- (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 2020.
- (7) Memo only - State Water Deliveries to Lake Cachuma for November was 90 AF.

**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER STORAGE REPORT**

MONTH: **NOVEMBER 2020**

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

Capacity at 385' elevation:	335	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	<b>333.0</b>	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	<b>545.5</b>	Feet
Water in Storage	436.27	AF

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	<b>451.0</b>	Feet
Water in Storage	32.69	AF

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	<b>375.3</b>	Feet
Water in Storage	24.15	AF

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

Change in Storage	-18.59	AF
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**CACHUMA RESERVOIR**

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

Stage of Reservoir Elevation	<b>728.23</b>	Feet
Water in Storage	<b>126,708</b>	AF
Surface Area	<b>2,286</b>	Acres
Evaporation	<b>516.5</b>	AF
Inflow	<b>29.6</b>	AF
Downstream Release WR8918	<b>1,330.0</b>	AF
Fish Release (Hilton Creek)	<b>316.2</b>	AF
Outlet	<b>0.0</b>	AF
Spill/Seismic Release	<b>0</b>	AF
State Water Project Water	<b>75.70</b>	AF
Change in Storage	<b>-3,510</b>	AF
Tecolote Diversion	<b>1,512.5</b>	AF

<b>Rainfall:</b>	<b>Month:</b> 0.31	<b>Season:</b> 0.31	<b>Percent of Normal:</b> 12%
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(1) Glen Annie Reservoir is currently offline and excluded from Total Storage in Reservoirs amount.

(2) In 2014, 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: 10/1/20 to: 9/30/21

Contract Entity: **Goleta Water District**  
 Update by COMB 11/30/2020

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	8,297.4	9,322.0	735.9	272.2	1,008.1	66.3	1,008.1	1,074.4	782.2	292.2	-	-
Nov	-	-	670.2	235.5	905.7	33.6	905.7	939.3	693.5	245.8	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-	-
Jan	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-
Total	8,297.4	9,322.0	1,406.1	507.7	1,913.8	99.9	1,913.8	2,013.7	1,475.7	537.9	-	-

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			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	8,297.4	5,795.0	2,502.4	6,732.0	2,590.0	9,322.0
Nov	-	-	-	13.6	11.4	25.0
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	7,223.0	5,012.8	2,210.2	6,745.6	2,601.4	9,347.0
Nov	6,283.7	4,319.3	1,964.5	6,745.6	2,601.4	9,347.0
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **15,630.7**

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **City of Santa Barbara**  
 Update by COMB 11/30/2020

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	20,298.1	8,277.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	20,298.1	8,277.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	-----	M & I	-----	Total
196.1	-	196.1	171.9	196.1	368.0	368.0	-	-	-	-
147.5	-	147.5	98.6	147.5	246.1	246.1	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
343.6	-	343.6	270.5	343.6	614.1	614.1	-	-	-	-

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	
		M & I	-----	M & I	-----
Begin Bal	20,298.1	20,298.1	-	8,277.0	-
ID#1 Exch (+17AF)	-	-	-	17.0	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation	
		M & I	-----	M & I	-----
	19,930.1	19,930.1	-	8,294.0	-
	19,684.0	19,684.0	-	8,294.0	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 27,978.0

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **Montecito Water District**  
 Update by COMB 11/30/2020

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	4,015.7	2,651.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	4,015.7	2,651.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
226.9	17.7	244.6	33.1	244.6	277.7	250.5	27.2	-
182.9	16.8	199.7	18.1	199.7	217.8	195.5	22.3	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
409.8	34.5	444.3	51.2	444.3	495.5	446.0	49.5	-

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	4,015.7	2,855.8	1,159.9	2,244.0	407.0	2,651.0
ID#1 Exch (+17AF)	-	-	-	9.2	7.8	17.0
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	3,738.0	2,605.3	1,132.7	2,253.2	414.8	2,668.0
Nov	3,520.2	2,409.8	1,110.4	2,253.2	414.8	2,668.0
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 6,188.2

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **Carpinteria Valley Water District**  
 Update by COMB 11/30/2020

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	2,410.8	2,813.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	2,410.8	2,813.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	Total
164.1	209.1	373.3	18.9	373.3	392.2	173.9	218.3	-
158.3	186.3	344.7	9.2	344.7	353.8	163.2	190.6	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
322.5	395.5	717.9	28.1	717.9	746.0	337.1	409.0	-

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	2,410.8	1,242.0	1,168.8	1,400.0	1,413.0	2,813.0
ID#1 Exch (+11AF)	-	-	-	6.0	5.0	11.0
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	2,018.6	1,068.1	950.5	1,406.0	1,418.0	2,824.0
Nov	1,664.8	904.9	759.8	1,406.0	1,418.0	2,824.0
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **4,488.8**

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**  
 Update by COMB 11/30/2020

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	1,303.6	2,651.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	1,303.6	2,651.0

TOTAL WATER USED				WATER USE CHARGED			WATER USE CHARGED			
Acre-feet				Allocation			Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
1.8	-	1.8	11.1	1.8	12.9	2.1	10.7	-	-	-
1.3	-	1.3	6.4	1.3	7.7	1.5	6.2	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3.1	-	3.1	17.5	3.1	20.5	3.6	16.9	-	-	-

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	1,303.6	43.0	1,260.6	935.0	1,716.0	2,651.0
ID#1 Exch (-70AF)	-	-	-	(38.0)	(32.0)	(70.0)
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
County Parks Usage (AF)	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
1.8	1,290.7	40.9	1,249.9	897.0	1,684.0	2,581.0
1.3	1,283.1	39.4	1,243.7	897.0	1,684.0	2,581.0
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 3,864.1

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **Santa Barbara Co. Water Agency**  
 Update by COMB 11/30/2020

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED			WATER USE CHARGED				
			Acre-feet				Evap	Div	Total	Allocation		Allocation		Total
			Use %	M & I	Agr	Total				M & I	Agr	M & I	Agr	
Oct	36,325.6	25,714.0	0.0	1,324.9	499.0	1,823.9	301.4	1,823.9	2,125.3	1,576.8	548.5	-	-	-
Nov	-	-	0.0	1,160.2	438.6	1,598.9	165.8	1,598.9	1,764.7	1,299.8	464.9	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	36,325.6	25,714.0	0.1	2,485.1	937.6	3,422.7	467.2	3,422.7	3,889.9	2,876.6	1,013.4	-	-	-

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

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Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	36,325.6	30,233.9	6,091.7	19,588.0	6,126.0	25,714.0
Oct	-	-	-	7.8	(7.8)	-
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	1.8	34,200.3	28,657.1	5,543.2	19,595.8	6,118.2	25,714.0
Nov	1.3	32,435.7	27,357.3	5,078.3	19,595.8	6,118.2	25,714.0
Dec	-	-	-	-	-	-	-
Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **58,149.7**

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**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**METERED USE REPORT FOR DECEMBER 2020**

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
<b>CARPINTERIA WATER DISTRICT</b>			<b>GOLETA WATER DISTRICT</b>		
Boundary Meter - East		342.08	18+62	G. WEST	93.32
Boundary Meter - West		(0.03)	78+00	Corona Del Mar FILTER Plant	792.70
			122+20	STOW RANCH	0.00
				SWP CREDIT (Warren Act Contract)	0.00
				Raytheon (SWP) (Warren Act Contract)	(3.00)
				Morehart (SWP) (Warren Act Contract)	(7.00)
			<b>TOTAL</b>		<b>876.02</b>
			<b>MONTECITO WATER DISTRICT</b>		
			260+79	BARKER PASS	48.79
			386+65	MWD YARD	0.02
			487+07	VALLEY CLUB	0.00
			499+65	E. VALLEY-ROMERO PUMP	129.61
			510+95	MWD PUMP (SWD)	13.46
			510+95	ORTEGA CONTROL	12.75
			526+43	ASEGRA RD	1.03
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.00
			599+27	TORO CANYON	0.00
				SWP CREDIT (Warren Act Contract)	0.00
			<b>TOTAL</b>		<b>205.65</b>
			<b>CITY OF SANTA BARBARA</b>		
			CATER	INFLOW	1,164.82
			Gibraltar	PENSTOCK	(322.35)
			CATER	SO. FLOW	(730.82)
			Sheffield	SHEF.LIFT	166.99
				SWP CREDIT (Warren Act Contract)	0.00
				La Cumbre (SWP) (Warren Act Contract)	(10.54)
			<b>TOTAL</b>		<b>268.10</b>
			<b>SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1</b>		
			COUNTY PARK, ETC		1.49
			<b>TOTAL</b>		<b>1.49</b>
			<b>BREAKDOWN OF DELIVERIES BY TYPE:</b>		
			STATE WATER DELIVERED TO LAKE		10.00
			STATE WATER TO SOUTH COAST including from stored		20.54
			<b>METERED DIVERSION</b>		<b>1,693.31</b>
			<b>TOTAL</b>		
					<b>342.05</b>
Note: Meter reads were taken on: 12/31/2020					

**WATER YEAR 20-21 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF DECEMBER 2020 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

<b>CACHUMA PROJECT</b>		
<b>WATER PRODUCTION:</b>	<b>MONTH</b>	<b>WYTD</b>
Cachuma Lake (Tec. Diversion)	1,697.0	4,985.9
Tecolote Tunnel Infiltration	74.6	243.9
Cachuma Lake (County Park)	1.5	4.5
<b>Subtotal - Water Production</b>	<b>1,773.1</b>	<b>5,234.3</b>
<b>WATER DELIVERIES:</b>		
State Water Diversion	20.5	97.1
Cachuma Diversion	1,693.3	5,116.0
Storage gain/(loss) <sup>(2)</sup>	71.3	25.3
<b>Subtotal - Water Deliveries</b>	<b>1,785.2</b>	<b>5,238.4</b>
<b>Total Water Production</b>	<b>1,773.1</b>	<b>5,234.3</b>
<b>Total Water Deliveries</b>	<b>1,785.2</b>	<b>5,238.4</b>
<b>Difference = Apparent Water Loss</b>	<b>(12.1)</b>	<b>(4.0)</b>
% Apparent Water Loss	-0.68%	-0.08%

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

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>TOTAL</b>
<b><u>CURRENT MONTH CHARGE / (ADJUSTMENT)</u></b>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
<b>Total Current Month</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b><u>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</u></b>					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
<b>Total AWL Charged (WYTD)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total AWL Not Charged (WYTD)</b>					<b>(4.0)</b>
<b>Total AWL Incurred (WYTD)</b>					<b>(4.0)</b>

**CACHUMA PROJECT WATER CHARGE**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>SYRID #1</b>	<b>TOTAL</b>
<b><u>CURRENT MONTH</u></b>						
Water Usage						
M&I	657.0	268.1	187.0	158.5	1.5	1,272.1
Agricultural	219.0	0.0	18.6	183.5	N/A	421.2
<b>Subtotal Project Water Use</b>	<b>876.0</b>	<b>268.1</b>	<b>205.6</b>	<b>342.1</b>	<b>1.5</b>	<b>1,693.3</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	22.8	76.4	13.4	5.8	5.0	123.4
<b>Total Project Water Charge</b>	<b>898.9</b>	<b>344.5</b>	<b>219.0</b>	<b>347.9</b>	<b>6.5</b>	<b>1,816.7</b>
<b><u>WATER YEAR-TO-DATE</u></b>						
Water Usage						
M&I	2,063.1	611.7	596.9	481.0	4.5	3,757.2
Agricultural	726.7	0.0	53.1	579.0	N/A	1,358.8
<b>Subtotal Project Water Use</b>	<b>2,789.8</b>	<b>611.7</b>	<b>650.0</b>	<b>1,060.0</b>	<b>4.5</b>	<b>5,116.0</b>
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss <sup>(4)</sup>	122.8	346.9	64.5	33.9	22.5	590.6
<b>Total Project Water Charge (*)</b>	<b>2,912.6</b>	<b>958.6</b>	<b>714.5</b>	<b>1,093.9</b>	<b>27.0</b>	<b>5,706.7</b>

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

**WATER YEAR 20-21 CACHUMA PROJECT ALLOCATION**  
**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER PRODUCTION AND WATER USE REPORT**  
**FOR THE MONTH OF DECEMBER 2020 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

**CACHUMA PROJECT WATER BALANCE**

	<b>GWD</b>	<b>SB CITY</b>	<b>MWD</b>	<b>CVWD</b>	<b>SYRID #1</b>	<b>TOTAL</b>
<b>Project Water Carryover - 10/1/2020</b>	8,297.4	20,298.1	4,015.7	2,410.8	1,303.6	36,325.6
Transfers/Adjustment	0.0	0.0	0.0	0.0	0.0	0.0
<b>(-) Project Water Charge (WYTD)</b>	<b>2,912.6</b>	<b>958.6</b>	<b>714.5</b>	<b>1,093.9</b>	<b>27.0</b>	<b>5,706.7</b>
<b>Balance Carryover Water</b>	<b>5,384.8</b>	<b>19,339.5</b>	<b>3,301.2</b>	<b>1,316.9</b>	<b>1,276.6</b>	<b>30,618.9</b>
<b>Current Year Allocation <sup>(5)</sup></b>	<b>9,322.0</b>	<b>8,277.0</b>	<b>2,651.0</b>	<b>2,813.0</b>	<b>2,651.0</b>	<b>25,714.0</b>
<b>(-) Balance of Project Water Charge (WYTD)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Net Allocation Available Before Adjustments</b>	<b>9,322.0</b>	<b>8,277.0</b>	<b>2,651.0</b>	<b>2,813.0</b>	<b>2,651.0</b>	<b>25,714.0</b>
<b><u>Adjustments to Net Allocation (WYTD)</u></b>						
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 <sup>(6)</sup>	25.0	17.0	17.0	11.0	(70.0)	0.0
Transfers/Adjustment - SB/La Cumbre	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Bishop Ranch	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - Juncal Transfer	0.0	0.0	0.0	0.0	0.0	0.0
Transfers/Adjustment - GWD/SB Overlap	0.0	0.0	0.0	0.0	0.0	0.0
<b>Balance Current Year Allocation</b>	<b>9,347.0</b>	<b>8,294.0</b>	<b>2,668.0</b>	<b>2,824.0</b>	<b>2,581.0</b>	<b>25,714.0</b>
<b>Total Cachuma Project Water Available</b>	<b>14,731.8</b>	<b>27,633.5</b>	<b>5,969.2</b>	<b>4,140.9</b>	<b>3,857.6</b>	<b>56,332.9</b>

**Footnotes**

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only.
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017.
- (5) Per USBR, 100% allocation to Member Agencies, effective 10/1/20.
- (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 2020.
- (7) Memo only - State Water Deliveries to Lake Cachuma for December was 10 AF.

**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER STORAGE REPORT**

MONTH: **DECEMBER 2020**

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

Capacity at 385' elevation:	335	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	<b>333.0</b>	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	<b>549.2</b>	Feet
Water in Storage	506.57	AF

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	<b>451.3</b>	Feet
Water in Storage	33.72	AF

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	<b>374.7</b>	Feet
Water in Storage	22.85	AF

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

Change in Storage	70.03	AF
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**CACHUMA RESERVOIR**

Capacity at 750' elevation: <sup>(2)</sup>	184,121	AF
Capacity at sill of tunnel 660' elevation:	24,281	AF
Stage of Reservoir Elevation	<b>727.25</b>	Feet
Water in Storage	<b>124,478</b>	AF
Surface Area	<b>2,263</b>	Acres
Evaporation	<b>395.0</b>	AF
Inflow	<b>-31.3</b>	AF
Downstream Release WR8918	<b>12.2</b>	AF
Fish Release (Hilton Creek)	<b>322.5</b>	AF
Outlet	<b>157.8</b>	AF
Spill/Seismic Release	<b>0</b>	AF
State Water Project Water	<b>10.00</b>	AF
Change in Storage	<b>-2,230</b>	AF
Tecolote Diversion	<b>1,697.0</b>	AF

**Rainfall:    Month:    2.00                      Season:    2.30                      Percent of Normal:    41%**

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

(2) In 2014, 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: 10/1/20 to: 9/30/21

Contract Entity: **Goleta Water District**  
**Update by COMB 12/31/2020**

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	8,297.4	9,322.0	735.9	272.2	1,008.1	66.3	1,008.1	1,074.4	782.2	292.2	-	-
Nov	-	-	670.2	235.5	905.7	33.6	905.7	939.3	693.5	245.8	-	-
Dec	-	-	657.0	219.0	876.0	22.8	876.0	898.9	672.7	226.1	-	-
Jan	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-
Total	8,297.4	9,322.0	2,063.1	726.7	2,789.8	122.8	2,789.8	2,912.6	2,148.5	764.1	-	-

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				SCHEDULE AND REVISIONS			
	Total	Allocation		Total	Allocation		Total	
		M & I	Agr		M & I	Agr		
Oct	8,297.4	5,795.0	2,502.4	6,732.0	2,590.0	9,322.0		
Nov	-	-	-	13.6	11.4	25.0		
Dec	-	-	-	-	-	-		
Jan	-	-	-	-	-	-		
Feb	-	-	-	-	-	-		
Mar	-	-	-	-	-	-		
Apr	-	-	-	-	-	-		
May	-	-	-	-	-	-		
Jun	-	-	-	-	-	-		
Jul	-	-	-	-	-	-		
Aug	-	-	-	-	-	-		
Sep	-	-	-	-	-	-		

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Total	Allocation	
		M & I	Agr		M & I	Agr
Oct	7,223.0	5,012.8	2,210.2	6,745.6	2,601.4	9,347.0
Nov	6,283.7	4,319.3	1,964.5	6,745.6	2,601.4	9,347.0
Dec	5,384.8	3,646.5	1,738.3	6,745.6	2,601.4	9,347.0
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **14,731.8**

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **City of Santa Barbara**  
 Update by COMB 12/31/2020

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	20,298.1	8,277.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	20,298.1	8,277.0

TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED		
Acre-feet			Allocation			Allocation		
M & I	Agr	Total	Evap	Used	Total	M & I	-----	Total
196.1	-	196.1	171.9	196.1	368.0	368.0	-	-
147.5	-	147.5	98.6	147.5	246.1	246.1	-	-
268.1	-	268.1	76.4	268.1	344.5	344.5	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
611.7	-	611.7	346.9	611.7	958.6	958.6	-	-

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	Allocation	Total
		M & I	-----	M & I	-----
Begin Bal	20,298.1	20,298.1	-	8,277.0	-
ID#1 Exch (+17AF)	-	-	-	17.0	-
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	19,930.1	19,930.1	-	8,294.0	-
Nov	19,684.0	19,684.0	-	8,294.0	-
Dec	19,339.5	19,339.5	-	8,294.0	-
Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 27,633.5

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **Montecito Water District**  
 Update by COMB 12/31/2020

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	4,015.7	2,651.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	4,015.7	2,651.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
226.9	17.7	244.6	33.1	244.6	277.7	250.5	27.2	-	-	-
182.9	16.8	199.7	18.1	199.7	217.8	195.5	22.3	-	-	-
187.0	18.6	205.6	13.4	205.6	219.0	196.2	22.8	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
596.9	53.1	650.0	64.5	650.0	714.5	642.2	72.4	-	-	-

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	4,015.7	2,855.8	1,159.9	2,244.0	407.0	2,651.0
ID#1 Exch (+17AF)	-	-	-	9.2	7.8	17.0
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	3,738.0	2,605.3	1,132.7	2,253.2	414.8	2,668.0
Nov	3,520.2	2,409.8	1,110.4	2,253.2	414.8	2,668.0
Dec	3,301.2	2,213.6	1,087.5	2,253.2	414.8	2,668.0
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 5,969.2





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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**  
 Update by COMB 12/31/2020

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	1,303.6	2,651.0
Nov	-	-
Dec	-	-
Jan	-	-
Feb	-	-
Mar	-	-
Apr	-	-
May	-	-
Jun	-	-
Jul	-	-
Aug	-	-
Sep	-	-
Total	1,303.6	2,651.0

TOTAL WATER USED			WATER USE CHARGED				WATER USE CHARGED			
Acre-feet			Allocation				Allocation			
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
1.8	-	1.8	11.1	1.8	12.9	2.1	10.7	-	-	-
1.3	-	1.3	6.4	1.3	7.7	1.5	6.2	-	-	-
1.5	-	1.5	5.0	1.5	6.5	1.6	4.9	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4.5	-	4.5	22.5	4.5	27.0	5.3	21.8	-	-	-

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	1,303.6	43.0	1,260.6	935.0	1,716.0	2,651.0
ID#1 Exch (-70AF)	-	-	-	(38.0)	(32.0)	(70.0)
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month  
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BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
County Parks Usage (AF)	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
1.8	1,290.7	40.9	1,249.9	897.0	1,684.0	2,581.0
1.3	1,283.1	39.4	1,243.7	897.0	1,684.0	2,581.0
1.5	1,276.6	37.7	1,238.8	897.0	1,684.0	2,581.0
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 3,857.6

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

Contract Year: 10/1/20 to: 9/30/21

Contract Entity: **Santa Barbara Co. Water Agency**  
 Update by COMB 12/31/2020

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	36,325.6	25,714.0	0.0	1,324.9	499.0	1,823.9	301.4	1,823.9	2,125.3	1,576.8	548.5	-	-	-
Nov	-	-	0.0	1,160.2	438.6	1,598.9	165.8	1,598.9	1,764.7	1,299.8	464.9	-	-	-
Dec	-	-	0.0	1,272.1	421.2	1,693.3	123.4	1,693.3	1,816.7	1,376.7	440.1	-	-	-
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	36,325.6	25,714.0	0.1	3,757.2	1,358.8	5,116.0	590.6	5,116.0	5,706.7	4,253.3	1,453.4	-	-	-

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

Month  
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Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	36,325.6	30,233.9	6,091.7	19,588.0	6,126.0	25,714.0
Oct	-	-	-	7.8	(7.8)	-
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	1.8	34,200.3	28,657.1	5,543.2	19,595.8	6,118.2	25,714.0
Nov	1.3	32,435.7	27,357.3	5,078.3	19,595.8	6,118.2	25,714.0
Dec	1.5	30,618.9	25,980.6	4,638.3	19,595.8	6,118.2	25,714.0
Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **56,332.9**

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## CACHUMA DAILY OPERATIONS

Month & Year: **January 2021**  
 Time of Observations: **0830** Evaporation Pan Factor: **65%**

Day	Beginning Storage: <b>124,478</b>			Surface Area acres	Rainfall		Evaporation		CCWA Inflow acre-feet	Releases							Computed Inflow acre-feet	
	Elevation ft	Storage acre-feet	Change acre-feet		inches	acre-feet	inches	acre-feet		Park Diversion acre-feet	Santa Ynez acre-feet	South Coast acre-feet	Hilton Creek acre-feet	WR 89-18 acre-feet	Outlet acre-feet	Spillway acre-feet		
1	727.23	124,432	(46)	2,262	-		0.110	13.5	-	-	-	24.3	10.3	-	5.0	7.1		
2	727.21	124,387	(45)	2,262	-		0.040	4.9	-	-	-	22.1	10.3	-	5.0	(2.7)		
3	727.21	124,387	-	2,262	-		0.080	9.8	-	-	-	22.2	10.3	-	6.0	48.3		
4	727.18	124,319	(68)	2,261	-		0.030	3.7	-	-	-	21.6	10.3	-	5.0	(27.4)		
5	727.17	124,297	(22)	2,261	0.01	1.9	0.070	8.6	-	-	-	22.1	10.3	-	5.0	22.1		
6	727.15	124,252	(45)	2,260	-		0.120	14.7	-	-	-	22.2	10.3	-	5.0	7.2		
7	727.13	124,206	(46)	2,260	-		0.090	11.0	-	-	-	22.5	10.3	-	6.0	3.8		
8	727.11	124,161	(45)	2,259	-		0.080	9.8	-	-	-	22.4	10.3	-	5.0	2.5		
9	727.09	124,093	(68)	2,259	-		0.110	13.5	-	-	-	22.5	10.3	-	5.0	(16.7)		
10	727.07	124,048	(45)	2,258	-		0.110	13.5	-	-	-	22.5	10.3	-	5.0	6.3		
11	727.05	124,025	(23)	2,258	-		0.070	8.6	-	-	-	22.5	10.3	-	6.0	24.4		
12	727.02	123,958	(67)	2,257	-		0.070	8.6	-	-	-	28.1	10.3	-	5.0	(15.0)		
13	726.99	123,890	(68)	2,257	-		0.050	6.1	-	-	-	38.2	10.3	-	5.0	(8.4)		
14	726.97	123,845	(45)	2,256	-		0.060	7.3	-	-	-	49.7	10.3	-	6.0	28.3		
15	726.94	123,777	(68)	2,255	-		0.090	11.0	-	-	-	53.9	10.3	-	5.0	12.2		
16	726.91	123,709	(68)	2,255	-		0.130	15.9	-	-	-	56.6	10.3	-	5.0	19.8		
17	726.87	123,618	(91)	2,254	-		0.150	18.3	-	-	-	55.7	10.3	-	5.0	(1.7)		
18	726.84	123,551	(67)	2,253	-		0.220	26.8	-	-	-	55.4	10.2	-	6.0	31.4		
19	726.80	123,460	(91)	2,252	-		0.110	13.4	-	-	-	56.2	10.2	-	5.0	(6.2)		
20	726.75	123,347	(113)	2,251	-		0.170	20.7	-	-	-	69.9	10.2	-	5.0	(7.2)		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
<b>TOTALS</b>			<b>(1,131)</b>		0.01	1.9	1.960	239.6	-	-	-	-	710.6	205.7	-	105.0	-	128.0

Park Usage  Rain % Yr. Total

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**Santa Barbara County Parks Division,  
Cachuma Lake Recreation Area  
Summary of Aquatic Invasive Species Vessel Inspection Program  
and Early Detection Monitoring Program: **December 2020****



<b>Cachuma Lake Recreation Area Launch Data -- December 2020</b>		
<b>Vessel Data</b>		
Total Vessels Entering Park	793	
Total Vessels Launched	752	
Total Vessels Quarantined	41	
Returning (Tagged) Boats Launched	601	80%
Kayak/Canoe Launched	151	20%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
<b>Vessel Inspection Data</b>		
Total Vessels Inspected	188	
Boats Inspected	55	
Kayaks/Canoes Inspected	121	
Simple Boats Inspected	12	
Inspections Passed	150	
Inspections Failed	38	
<b>Quarantine Data</b>		
Total Vessels Quarantined	41	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	41	
<b>Quarantine Cause</b>		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	8	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	1	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	41	
<b>Demographic Data</b>		
Quarantined from infected county	8	
Quarantined from SB County	27	
Quarantined from uninfected co	5	
Quarantined from out of state	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, Santa Barbara County, California.

Inspection Date and Time: 2020.12.31; 10 a.m. to 12 p.m. PDT.

Method: 4 Sampling Stations; 26 meters/85 linear feet of line.

Surveyors: Santa Barbara County, Parks Division Employees.

Lake elevation: Max feet: 753.00, current 727.30; Max acre-feet: 193,305, current: 124,591;

Current capacity: 64.5%