

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

Monday, August 26, 2019

1:00 PM

AGENDA

1. **CALL TO ORDER, ROLL CALL**
2. **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. Please make your comments from the podium once acknowledged by the President of the Board.*)
3. **CONSENT AGENDA** (*All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.*)
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board:
 - a. Minutes of July 22, 2019 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
4. **VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Operations Committee Meeting – August 15, 2019
 - Administrative Committee Meeting – August 16, 2019
5. **FINANCIAL REVIEW – 4TH QUARTER FISCAL YEAR 2018-19**
Action: Receive and file the 4th Quarter Fiscal Year 2018-19 Financial Review
6. **AWIA RISK AND RESILIENCE ASSESSMENT – EMERGENCY RESPONSE PLAN**
Action: Receive information regarding the AWIA Risk and Resilience Assessment and Emergency Response Plan certifications
7. **PURCHASE OF FLEET VEHICLE**
Action: Recommend approval by motion and roll call vote of the Board
8. **RESOLUTION NO. 698 - AIR VACUUM AIR RELEASE / BLOW-OFF STRUCTURE REHABILITATION PROJECT**
Action: Recommend approval by motion and roll call vote of the Board

9. **RESOLUTION NO. 699 - RATIFICATION OF UNEXPECTED EXPENDITURES – LAKE CACHUMA WATER QUALITY SAMPLING**
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:
 - Personnel
 - Meetings
 - U.S. Bureau of Reclamation
 - Administration
 - Operations
 - Fisheries Division

11. **ENGINEER / OPERATIONS REPORT**
Receive information from the Water Resources Engineer, including but not limited to the following:
 - Climate Conditions
 - Lake Cachuma Conveyance Operations
 - Water Quality and Sediment Management Study
 - Sedimentation Disposition Analysis Using GIS
 - Sycamore Canyon Slope Stabilization Project
 - Infrastructure Improvement Project Status
 - Monthly Operations

12. **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

13. **PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**
Receive information regarding the Lake Cachuma Oak Tree Program including but not limited to the following:
 - Maintenance and Monitoring

14. **MONTHLY CACHUMA PROJECT REPORTS**
Receive information regarding the Cachuma Project, including but not limited to the following:
 - a. Cachuma Water Reports
 - b. Cachuma Reservoir Current Conditions
 - c. Lake Cachuma Quagga Survey

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

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

- a. [Government Code Section 54956.9(d)(1)]
Name of matter: *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief
- b. [Government Code Section 54956.9(d)(4)] Possible Litigation

17. RECONVENE INTO OPEN SESSION

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

- 16a. *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief
- 16b. Possible Litigation

18. MEETING SCHEDULE

- **September 23, 2019 at 1:00 PM, COMB Office**
- **Board Packages available on COMB website www.cachuma-board.org**

19. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

Public Comment: Any member of the public may address the Board on any subject within the jurisdiction of the Board 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 A REGULAR MEETING
OF
CACHUMA OPERATION AND MAINTENANCE BOARD**

held at
3301 Laurel Canyon Road, Santa Barbara, CA 93105

**Monday, July 22, 2019
1:00 PM**

1. CALL TO ORDER, ROLL CALL

Directors Present:

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

General Counsel Present:

William Carter, Musick, Peeler & Garrett, LLP, via Conference Phone

Staff Present:

Janet Gingras, General Manager	Tim Robinson, Fisheries Division Manager
Edward Lyons, Administrative Manager/CFO	Dorothy Turner, Administrative Assistant II
Elijah Papen, Program Analyst	

Others Present:

Farfallah Borah, Goleta Water District	Kevin Walsh, Santa Ynez River Water Conservation District
Mark Preston, Member of the Public	Matt Young, Santa Barbara County Water Agency

2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

- a. Minutes of June 24, 2019 Regular Board Meeting
- b. Investment of Funds
 - Financial Reports
 - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda items, noting items of interest on the Paid Claims report. Director Hanson motioned to approve the Minutes of the June 24, 2019 Regular Board Meeting as presented. Director Sneddon seconded and the motion passed with a vote of five in favor.

Ayes: Sneddon, Hanson, Holcombe

Nays:

Absent:

Abstain: Hayman

Director Hayman motioned to approve items 3.b. and 3.c. of the Consent Agenda, as provided in the Board packet. Seconded by Director Sneddon, the motion passed unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

4. VERBAL REPORTS FROM BOARD COMMITTEES

- Fisheries Committee Meeting – July 17, 2019

Director Hanson summarized the agenda items from the Fisheries Committee as provided in the Board packet, noting that certain items will be discussed today within staff reports and others will be brought before the Board at a future meeting.

5. BOARD COMMITTEE APPOINTMENTS FOR FISCAL YEAR 2019-20

1. Administrative Committee
2. Operations Committee
3. Fisheries Committee
4. Lake Cachuma Oak Tree Committee
5. Public Outreach Committee

Director Holcombe presented the fiscal year 2019-20 Board Committee appointments. Director Sneddon motioned that the committee appointments be accepted. Seconded by Director Hanson, the motion passed unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

6. REVIEW OF REGULARLY SCHEDULED BOARD MEETING TIME

Ms. Gingras introduced the review of regularly scheduled Board meeting times. Director Holcombe led a short Board discussion during which the members expressed their desire to continue to meet at 1:00 PM. As there was no change to the schedule, a motion was not required.

7. PROPOSED ANNUAL RESOLUTIONS

- a. Resolution No. 689 Adopting Annual Statement of Investment Policy
- b. Resolution No. 690 Authorizing Investment of Monies in the Local Agency Investment Fund

- c. Resolution No. 691 Establishing a Supplemental Account Agreement for Telephone Transfers
- d. Resolution No. 692 Establishing a Check Signing Policy for General Fund Account Payment of Claims
- e. Resolution No. 693 Authorizing Signatories for General Fund Account at American Riviera Bank
- f. Resolution No. 694 Authorizing Signatories for Revolving Fund Account at American Riviera Bank
- g. Resolution No. 695 Establishing a Check Signing Policy for Cachuma Project Trust Fund and Master Contract Renewal Fund Accounts for Payment of Claims
- h. Resolution No. 696 Authorizing Signatories for Trust Fund and Renewal Fund Accounts at American Riviera Bank
- i. Resolution No. 697 Establishing a Time and Place for Board Meetings

Ms. Gingras presented the Annual Resolutions as provided in the Board packet. Director Sneddon motioned to approve Resolution Nos. 689 through 697. Director Hanson seconded the motion, which passed unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

8. BOARD DISCUSSION ON COMMUNICATION PRACTICES

Ms. Gingras introduced the Board discussion on communication practices. The Board members restated the current practice that communications will originate from the General Manager or be directed to the General Manager. No action was taken by the Board.

9. GENERAL MANAGER REPORT

- Administration
- Operations

Ms. Gingras presented the General Manager report as provided in the Board packet, highlighting recent educational webinars attended by staff. Ms. Gingras also noted safety protocols in place, particularly in light of recent seismic activity and potential power grid shutdowns. Further, Ms. Gingras advised that the AWIA Risk and Resiliency provisions, as well as the fiscal year 2019-20 Operations Work Plan, will be taken to committee and then be brought before the Board.

10. ENGINEER / OPERATIONS REPORT

- Climate Conditions
- Lake Water Quality and Sediment Management Study
- Sycamore Canyon Slope Stabilization Project
- Infrastructure Improvement Project Status

Ms. Gingras presented the Engineer and Operations reports to the Board. She reviewed climate conditions, updated the Board on the Lake Cachuma Water Quality Study now entering Phase II, as well as the progress of the Sycamore Canyon Slope Stabilization project. She noted that FEMA

reimbursement efforts for the slope stabilization project will begin in the near future. Ms. Gingras briefly reviewed the remaining Operations items in the Infrastructure Improvement Projects table. She reported the completion of the North Portal Access Road Repair project and the status of the secured pipeline project. Ms. Gingras fielded questions from the Board.

11. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division report, providing updates on the Hilton Creek Watering System pump repairs and recent efforts on the part of Reclamation to remedy the situation. He fielded questions from the Board. Mr. Robinson reported on the various monitoring activities required by the 2000 Cachuma Project Biological Opinion as well as the progress of the 2017 and 2018 Annual Monitoring Summaries and Annual Monitoring Reports. Finally, he noted his attendance at the recent ESRI Conference along with Mr. Joel Degner and Mr. Elijah Papen and reported that Mr. Papen's presentation at the conference was well received.

12. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson presented the progress report on the Oak Tree program, noting that staff is operating in dry season mode, irrigating regularly. Further, he reported that the annual Oak Tree Committee meeting will be scheduled soon.

13. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras presented the Cachuma Project reports as provided in the Board packet, noting that there were no anomalies.

14. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

There were no requests from the Directors.

15. [CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: EXISTING AND POTENTIAL LITIGATION

- a. [Government Code Section 54956.9(d)(1)]
Name of matter: *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

The Board entered into Closed Session at 2:10 PM.

16. RECONVENE INTO OPEN SESSION

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

[Government Code Section 54957.1]

15a. *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

The Board came out of Closed Session at 2:30 PM. There was no reportable action.

17. MEETING SCHEDULE

- **August 26, 2019 at 1:00 PM, COMB Office**
- **Board Packages available on COMB website www.cachuma-board.org**

18. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 2:30 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

APPROVED:

Polly Holcombe, President of the Board

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Cachuma Operation & Maintenance Board
Statement of Net Position
As of July 31, 2019
UNAUDITED FINANCIALS

	Jul 31, 19
ASSETS	
Current Assets	
Checking/Savings	
Trust Funds	
1210 - Warren Act Trust Fund	\$ 691,617.72
1220 - Renewal Fund	10,215.61
Total Trust Funds	\$ 701,833.33
1050 - General Fund	482,595.67
1100 - Revolving Fund	150,418.73
Total Checking/Savings	1,334,847.73
Accounts Receivable	
1301 - Accounts Receivable	123,359.01
1320 - Quarterly Assessments Receivable	132,884.00
1325 - Bank Loan Receivable - EPFP	25,747.23
Total Accounts Receivable	281,990.24
Other Current Assets	
1010 - Petty Cash	500.00
1200 - LAIF	1,620,250.03
1303 - Bradbury SOD Act Assessments Receivable	195,566.00
1304 - Lauro Dam SOD Assessments Receivable	30,258.63
1400 - Prepaid Insurance	19,555.72
Total Other Current Assets	1,866,130.38
Total Current Assets	3,482,968.35
Fixed Assets	
1500 - Vehicles	445,723.91
1505 - Office Furniture & Equipment	443,923.41
1510 - Mobile Offices	97,803.34
1515 - Field Equipment	594,001.22
1525 - Paving	38,351.00
1550 - Accumulated Depreciation	(1,462,883.66)
Total Fixed Assets	156,919.22
Other Assets	
1910 - Long Term Bradbury SOD Act Assessments Receivable	4,680,154.07
1920 - Long Term Lauro SOD Act Assessments Receivable	835,169.28
1922 - Deferred Outflow of Resources (GASB 68)	581,365.00
Total Other Assets	6,096,688.35
TOTAL ASSETS	\$ 9,736,575.92

Cachuma Operation & Maintenance Board
Statement of Net Position
As of July 31, 2019
UNAUDITED FINANCIALS

Jul 31, 19

LIABILITIES & NET POSITION

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable \$ 15,483.98

Total Accounts Payable 15,483.98

Other Current Liabilities

2550 · Vacation/Sick 150,085.16

2561 · Bradbury Dam SOD Act 195,576.66

2563 · Lauro Dam SOD Act 30,258.63

2565 · Accrued Interest SOD Act 62,424.00

2567 · Loan Payable Current EPFP 418,020.44

2590 · Deferred Revenue 701,833.33

Total Other Current Liabilities 1,558,198.22

Total Current Liabilities 1,573,682.20

Long Term Liabilities

2602 · Long Term SOD Act Liability-Bradbury 4,680,144.07

2603 · Long Term SOD Act Liability-Lauro 835,169.28

2604 · OPEB Long Term Liability 5,078,967.00

2605 · Loan Payable Principal - EPFP 468,065.07

2610 · Net Pension Liability (GASB 68) 1,781,995.00

2611 · Deferred Inflow of Resources (GASB 68) 149,386.00

Total Long Term Liabilities 12,993,726.42

Total Liabilities 14,567,408.62

Net Position

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

3901 · Retained Net Position (304,021.73)

Net Position 769,769.08

Total Net Position (4,830,832.70)

TOTAL LIABILITIES & NET POSITION \$ **9,736,575.92**

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2019 - Jun 2020

	Fisheries				Operations				TOTAL			
	Jul 19	Budget	\$ Over/(Under) Budget	% of Budget	Jul 19	\$ Over/(Under) Budget	\$ Over Budget	% of Budget	Jul 19	\$ Over/(Under) Budget	\$ Over Budget	% of Budget
Revenue												
3000 REVENUE												
3001 - O&M Budget (Qtrly Assessments)	\$ 234,159.00	\$ 936,631.00	-\$702,472.00	25.0%	\$ 921,842.00	\$ 3,687,371.00	-\$2,765,529.00	25.0%	\$ 1,156,001.00	\$ 4,624,002.00	-\$3,468,001.00	25.0%
3006 - Warren Act	0.00	591,523.00	-591,523.00	0.0%	0.00				0.00	591,523.00	-591,523.00	0.0%
3010 - Interest Income	0.00				8,249.16				8,249.16	0.00	8,249.16	100.0%
3021 - Grant Income	0.00				448.00				448.00	0.00	448.00	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 StablN Reim	0.00				0.00	450,752.00	-450,752.00	0.0%	0.00	450,752.00	-450,752.00	0.0%
3043 - Grant-QC Crossing #8	0.00	1,010,700.00	-1,010,700.00	0.0%	0.00				0.00	1,010,700.00	-1,010,700.00	0.0%
Total 3000 REVENUE	234,159.00	2,628,854.00	-2,394,695.00	8.91%	930,539.16	4,138,123.00	-3,207,583.84	22.49%	1,164,698.16	6,766,977.00	-5,602,278.84	17.21%
Total Revenue	234,159.00	2,628,854.00	-2,394,695.00	8.91%	930,539.16	4,138,123.00	-3,207,583.84	22.49%	1,164,698.16	6,766,977.00	-5,602,278.84	17.21%
Gross Profit	234,159.00	2,628,854.00	-2,394,695.00	8.91%	930,539.16	4,138,123.00	-3,207,583.84	22.49%	1,164,698.16	6,766,977.00	-5,602,278.84	17.21%
Expense												
3100 - LABOR - OPERATIONS	0.00				76,285.38	952,164.00	-875,878.62	8.01%	76,285.38	952,164.00	-875,878.62	8.01%
3200 VEH & EQUIPMENT												
3201 - Vehicle/Equip Mtce	0.00				3,283.39	30,000.00	-26,716.61	10.95%	3,283.39	30,000.00	-26,716.61	10.95%
3202 - Fixed Capital	0.00				0.00	15,000.00	-15,000.00	0.0%	0.00	15,000.00	-15,000.00	0.0%
3203 - Equipment Rental	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
3204 - Miscellaneous	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
Total 3200 VEH & EQUIPMENT	0.00				3,283.39	55,000.00	-51,716.61	5.97%	3,283.39	55,000.00	-51,716.61	5.97%
3300 - CONTRACT LABOR												
3301 - Conduit, Meter, Valve & Misc	0.00				1,862.65	20,000.00	-18,137.35	9.31%	1,862.65	20,000.00	-18,137.35	9.31%
3302 - Buildings & Roads	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
3303 - Reservoirs	0.00				0.00	30,000.00	-30,000.00	0.0%	0.00	30,000.00	-30,000.00	0.0%
3304 - Engineering, Misc Services	0.00				0.00	25,000.00	-25,000.00	0.0%	0.00	25,000.00	-25,000.00	0.0%
Total 3300 - CONTRACT LABOR	0.00				1,862.65	95,000.00	-93,137.35	1.96%	1,862.65	95,000.00	-93,137.35	1.96%
3400 - MATERIALS & SUPPLIES												
3401 - Conduit, Meter, Valve & Misc	0.00				1,141.88	65,000.00	-63,858.12	1.76%	1,141.88	65,000.00	-63,858.12	1.76%
3402 - Buildings & Roads	0.00				0.00	8,000.00	-8,000.00	0.0%	0.00	8,000.00	-8,000.00	0.0%
3403 - Reservoirs	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
Total 3400 - MATERIALS & SUPPLIES	0.00				1,141.88	78,000.00	-76,858.12	1.46%	1,141.88	78,000.00	-76,858.12	1.46%
3500 - OTHER EXPENSES												
3501 - Utilities	0.00				445.31	7,000.00	-6,554.69	6.36%	445.31	7,000.00	-6,554.69	6.36%
3502 - Uniforms	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
3503 - Communications	0.00				1,069.01	20,500.00	-19,430.99	5.22%	1,069.01	20,500.00	-19,430.99	5.22%
3504 - USA & Other Services	0.00				82.50	4,000.00	-3,917.50	2.06%	82.50	4,000.00	-3,917.50	2.06%
3505 - Miscellaneous	0.00				873.53	8,000.00	-7,126.47	10.92%	873.53	8,000.00	-7,126.47	10.92%
3506 - Training	0.00				0.00	3,000.00	-3,000.00	0.0%	0.00	3,000.00	-3,000.00	0.0%
Total 3500 - OTHER EXPENSES	0.00				2,470.35	47,500.00	-45,029.65	5.2%	2,470.35	47,500.00	-45,029.65	5.2%
4100 - LABOR - FISHERIES	57,364.60	704,515.00	-647,150.40	8.14%	0.00				57,364.60	704,515.00	-647,150.40	8.14%
4200 - VEHICLES & EQUIP - FISHERIES												
4270 - Vehicle/Equip Mtce	1,833.68	20,000.00	-18,166.32	9.17%	0.00				1,833.68	20,000.00	-18,166.32	9.17%
4280 - Fixed Capital	0.00	35,000.00	-35,000.00	0.0%	0.00				0.00	35,000.00	-35,000.00	0.0%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2019 - Jun 2020

	Fisheries				Operations				TOTAL			
	Jul 19	Budget	\$ Over/(Under) Budget	% of Budget	Jul 19	Budget	\$ Over Budget	% of Budget	Jul 19	Budget	\$ Over Budget	% of Budget
4290 - Miscellaneous	132.84	2,500.00	-2,367.16	5.31%	0.00				132.84	2,500.00	-2,367.16	5.31%
Total 4200 - VEHICLES & EQUIP - FISHERIES	1,966.52	57,500.00	-55,533.48	3.42%	0.00				1,966.52	57,500.00	-55,533.48	3.42%
4220 - CONTRACT LABOR - FISHERIES												
4221 - Meters & Valves	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
4222 - Fish Projects Maintenance	0.00	25,000.00	-25,000.00	0.0%	0.00				0.00	25,000.00	-25,000.00	0.0%
Total 4220 - CONTRACT LABOR - FISHERIES	0.00	28,000.00	-28,000.00	0.0%	0.00				0.00	28,000.00	-28,000.00	0.0%
4300 - MATERIALS/SUPPLIES - FISHERIES												
4390 - Miscellaneous	196.77	7,000.00	-6,803.23	2.81%	0.00				196.77	7,000.00	-6,803.23	2.81%
Total 4300 - MATERIALS/SUPPLIES - FISHERIES	196.77	7,000.00	-6,803.23	2.81%	0.00				196.77	7,000.00	-6,803.23	2.81%
4500 - OTHER EXPENSES - FISHERIES												
4502 - Uniforms	0.00	3,500.00	-3,500.00	0.0%	0.00				0.00	3,500.00	-3,500.00	0.0%
Total 4500 - OTHER EXPENSES - FISHERIES	0.00	3,500.00	-3,500.00	0.0%	0.00				0.00	3,500.00	-3,500.00	0.0%
4999 - GENERAL & ADMINISTRATIVE												
5000 - Director Fees	0.00				556.40	12,500.00	-11,943.60	4.45%	556.40	12,500.00	-11,943.60	4.45%
5001 - Director Mileage	0.00				39.54	500.00	-460.46	7.91%	39.54	500.00	-460.46	7.91%
5100 - Legal	0.00				0.00	75,000.00	-75,000.00	0.0%	0.00	75,000.00	-75,000.00	0.0%
5101 - Audit	0.00				468.00	22,750.00	-22,282.00	2.06%	468.00	22,750.00	-22,282.00	2.06%
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				3,168.95	50,551.00	-47,382.05	6.27%	3,168.95	50,551.00	-47,382.05	6.27%
5310 - Postage/Office Exp	0.00				406.42	5,000.00	-4,593.58	8.13%	406.42	5,000.00	-4,593.58	8.13%
5311 - Office Equip/Leases	0.00				421.60	9,200.00	-8,778.40	4.58%	421.60	9,200.00	-8,778.40	4.58%
5312 - Misc Admin Expenses	0.00				350.96	14,000.00	-13,649.04	2.51%	350.96	14,000.00	-13,649.04	2.51%
5313 - Communications	0.00				756.37	8,500.00	-7,743.63	8.9%	756.37	8,500.00	-7,743.63	8.9%
5314 - Utilities	0.00				670.87	9,737.00	-9,066.13	6.89%	670.87	9,737.00	-9,066.13	6.89%
5315 - Membership Dues	0.00				135.85	9,410.00	-9,274.15	1.44%	135.85	9,410.00	-9,274.15	1.44%
5316 - Admin Fixed Assets	0.00				0.00	3,000.00	-3,000.00	0.0%	0.00	3,000.00	-3,000.00	0.0%
5318 - Computer Consultant	0.00				0.00	16,500.00	-16,500.00	0.0%	0.00	16,500.00	-16,500.00	0.0%
5325 - Emp Training/Subscriptions	0.00				695.00	2,000.00	-1,305.00	34.75%	695.00	2,000.00	-1,305.00	34.75%
5330 - Admin Travel/Conferences	0.00				1,042.95	2,000.00	-957.05	52.15%	1,042.95	2,000.00	-957.05	52.15%
5331 - Public Information	0.00				0.00	3,500.00	-3,500.00	0.0%	0.00	3,500.00	-3,500.00	0.0%
Total 4999 - GENERAL & ADMINISTRATIVE	0.00				8,712.91	249,148.00	-240,435.09	3.5%	8,712.91	249,148.00	-240,435.09	3.5%
5299 - ADMIN LABOR	0.00				62,233.99	610,984.00	-548,750.01	10.19%	62,233.99	610,984.00	-548,750.01	10.19%
5400 - GENERAL & ADMIN - FISHERIES												
5407 - Legal - FD	0.00	100,000.00	-100,000.00	0.0%	0.00				0.00	100,000.00	-100,000.00	0.0%
5410 - Postage / Office Supplies	218.82	4,000.00	-3,781.18	5.47%	0.00				218.82	4,000.00	-3,781.18	5.47%
5411 - Office Equipment / Leases	227.01	6,518.00	-6,290.99	3.48%	0.00				227.01	6,518.00	-6,290.99	3.48%
5412 - Misc. Admin Expense	132.63	7,500.00	-7,367.37	1.77%	0.00				132.63	7,500.00	-7,367.37	1.77%
5413 - Communications	507.72	5,805.00	-5,297.28	8.75%	0.00				507.72	5,805.00	-5,297.28	8.75%
5414 - Utilities	359.69	5,243.00	-4,883.31	6.86%	0.00				359.69	5,243.00	-4,883.31	6.86%
5415 - Membership Dues	73.15	5,955.00	-5,881.85	1.23%	0.00				73.15	5,955.00	-5,881.85	1.23%
5416 - Admin Fixed Assets	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
5418 - Computer Consultant	0.00	9,000.00	-9,000.00	0.0%	0.00				0.00	9,000.00	-9,000.00	0.0%
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%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2019 - Jun 2020

	Fisheries				Operations				TOTAL			
	Jul 19	Budget	\$ Over/(Under) Budget	% of Budget	Jul 19	Budget	\$ Over Budget	% of Budget	Jul 19	Budget	\$ Over Budget	% of Budget
5426 - Director Fees	299.60	6,700.00	-6,400.40	4.47%	0.00				299.60	6,700.00	-6,400.40	4.47%
5427 - Director Mileage	21.29	300.00	-278.71	7.1%	0.00				21.29	300.00	-278.71	7.1%
5430 - Travel	197.89	2,500.00	-2,302.11	7.92%	0.00				197.89	2,500.00	-2,302.11	7.92%
5431 - Public Information	0.00	1,500.00	-1,500.00	0.0%	0.00				0.00	1,500.00	-1,500.00	0.0%
5441 - Audit	252.00	12,250.00	-11,998.00	2.06%	0.00				252.00	12,250.00	-11,998.00	2.06%
5443 - Liab & Property Ins	1,706.35	24,745.00	-23,038.65	6.9%	0.00				1,706.35	24,745.00	-23,038.65	6.9%
Total 5400 - GENERAL & ADMIN - FISHERIES	3,996.15	197,516.00	-193,519.85	2.02%	0.00				3,996.15	197,516.00	-193,519.85	2.02%
5499 - ADMIN LABOR-FISHERIES	19,266.78	240,823.00	-221,556.22	8.0%	0.00				19,266.78	240,823.00	-221,556.22	8.0%
5510 - Integrated Reg. Water Mgt Plan	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
6000 - SPECIAL PROJECTS												
6062 - SCADA	0.00				0.80	35,000.00	-34,999.20	0.0%	0.80	35,000.00	-34,999.20	0.0%
6090 - COMB Office Building	0.00				480.00	25,000.00	-24,520.00	1.92%	480.00	25,000.00	-24,520.00	1.92%
6096 - SCC Structure Rehabilitation	0.00				0.00	400,000.00	-400,000.00	0.0%	0.00	400,000.00	-400,000.00	0.0%
6097 - GIS and Mapping	0.00				0.00	10,000.00	-10,000.00	0.0%	0.00	10,000.00	-10,000.00	0.0%
6105 - ROW Management Program	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
6120 - Emergency Pumping Fac Project	0.00				0.00	225,000.00	-225,000.00	0.0%	0.00	225,000.00	-225,000.00	0.0%
6132 - Sycamore Canyon Slope Stabiliz	0.00				131,400.00	605,242.00	-473,842.00	21.71%	131,400.00	605,242.00	-473,842.00	21.71%
6135 - SCC San Jose Creek Pipe Stabili	0.00				0.00	150,000.00	-150,000.00	0.0%	0.00	150,000.00	-150,000.00	0.0%
6136 - SCC Isolation Valve Evaluation	0.00				0.00	150,000.00	-150,000.00	0.0%	0.00	150,000.00	-150,000.00	0.0%
6137 - SCC Lower Reach Lateral Structu	0.00				0.00	150,000.00	-150,000.00	0.0%	0.00	150,000.00	-150,000.00	0.0%
6138 - Cachuma Watershed Mgmt Study	0.00				13,450.00	275,085.00	-261,635.00	4.89%	13,450.00	275,085.00	-261,635.00	4.89%
Total 6000 - SPECIAL PROJECTS	0.00				145,330.80	2,045,327.00	-1,899,996.20	7.11%	145,330.80	2,045,327.00	-1,899,996.20	7.11%
6200 - FISHERIES ACTIVITIES												
6201 - FMP Implementation	0.00	33,000.00	-33,000.00	0.0%	0.00				0.00	33,000.00	-33,000.00	0.0%
6202 - GIS and Mapping	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6203 - Grants Technical Support	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6204 - SYR Hydrology Technical Support	0.00	6,000.00	-6,000.00	0.0%	0.00				0.00	6,000.00	-6,000.00	0.0%
6205 - USGS Stream Gauge Program	7,936.65	100,000.00	-92,063.35	7.94%	0.00				7,936.65	100,000.00	-92,063.35	7.94%
6206 - Tri County Fish Team Funding	0.00	5,000.00	-5,000.00	0.0%	0.00				0.00	5,000.00	-5,000.00	0.0%
6207 - Oak Tree Restoration Program	0.00	30,000.00	-30,000.00	0.0%	0.00				0.00	30,000.00	-30,000.00	0.0%
Total 6200 - FISHERIES ACTIVITIES	7,936.65	194,000.00	-186,063.35	4.09%	0.00				7,936.65	194,000.00	-186,063.35	4.09%
6300 - HABITAT ENHANCEMENT												
6303 - Tributary Projects Support	0.00	20,000.00	-20,000.00	0.0%	0.00				0.00	20,000.00	-20,000.00	0.0%
6315 - Quiota Creek Crossing 8	0.00	1,176,000.00	-1,176,000.00	0.0%	0.00				0.00	1,176,000.00	-1,176,000.00	0.0%
Total 6300 - HABITAT ENHANCEMENT	0.00	1,196,000.00	-1,196,000.00	0.0%	0.00				0.00	1,196,000.00	-1,196,000.00	0.0%
7007 - INTEREST EXPENSE-EPPF	0.00				2,880.26				2,880.26	0.00	2,880.26	100.0%
Total Expense	90,727.47	2,628,854.00	-2,538,126.53	3.45%	304,201.61	4,138,123.00	-3,833,921.39	7.35%	394,929.08	6,766,977.00	-6,372,047.92	5.84%
Net Surplus/Deficit	\$143,431.53	\$0.00	\$143,431.53	100.0%	\$626,337.55	\$0.00	\$626,337.55	100.0%	\$769,769.08	\$0.00	\$769,769.08	100.0%

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2019
Submitted by:	Janet Gingras

SUBJECT: Investment Report – July 31, 2019

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation and Maintenance Board Investment Report as of July 31, 2019.

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 July 2019, is reported at 2.379%.

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	06/28/2019	\$ 1,312,000.87
(+) Deposits/Credits	07/12/2019	8,249.16
	07/31/2019	750,000.00
(-) Checks/Withdrawals	07/08/2019	(450,000.00)
Statement Balance	07/31/2019	\$ 1,620,250.03

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	06/28/2019	\$ 10,215.61
	(+) Deposits/Credits		-
	(-) Checks/Withdrawals		-
	Statement Balance	07/31/2019	\$ 10,215.61
American Riviera Bank Warren Acct Trust Fund			
	Previous Balance	06/28/2019	\$ 691,617.72
	(+) Deposits/Credits		-
	(-) Checks/Withdrawals		-
	Statement Balance	07/31/2019	\$ 691,617.72

STATEMENT

The above statement of investment activity for the month of July, 2019, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all American Riviera Bank and LAIF investments of this agency for the period indicated.



 Secretary

Cachuma Operation & Maintenance Board

Paid Claims

As of July 31, 2019

Date	Num	Name	Memo	Amount
1050 - General Fund				
07/08/2019	26951	A+ Refrigeration	Air Conditioning service call - Admin Trailer	-170.50
07/08/2019	26952	ACWA/Joint Powers Insurance Authority	Property Program 7/1/19-6/30/20 Deposit Premium	-3,925.30
07/08/2019	26953	ACWA/Joint Powers Insurance Authority	Excess Crime Bond 7/1/19-7/1/20	-950.00
07/08/2019	26954	All-Cal Equipment Service, Inc.	Annual Hoist Inspection (Ops)	-535.00
07/08/2019	26955	Association of Ca Water Agencies/JPIA	July Health Benefits Coverage	-33,586.82
07/08/2019	26956	AT&T	Long Distance Charges 5/28/19-6/27/19	-789.61
07/08/2019	26957	Boyd & Associates	Alarm Monitoring 7/1/19-9/30/19	-82.50
07/08/2019	26958	CalPortland Construction	North Portal Access Road Repair - Erosion Control	-77,990.63
07/08/2019	26959	City of Santa-Barbara	Trash / Recycling June 2019	-249.88
07/08/2019	26960	Culligan of Sylmar	RO Rental July 2019	-28.95
07/08/2019	26961	ECHO Communications	Message Service July 2019	-67.35
07/08/2019	26962	Eurofins Calscience	Lake Cachuma Water Quality Study - Sampling	-2,186.00
07/08/2019	26963	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Study - Sampling	-13,450.00
07/08/2019	26964	Frontier Communications	Phone Service - Ortega Reservoir	-59.75
07/08/2019	26965	Frontier Communications	Phone Service - North Portal	-59.75
07/08/2019	26966	Frontier Communications	Phone Service - Main & Outlying Stations	-434.76
07/08/2019	26967	Granite Construction	Oak Tree Program - Beerock	-575.41
07/08/2019	26968	Harrison Hardware	Supplies (Fisheries)	-178.43
07/08/2019	26969	HDR Engineering, Inc.	South Coast Conduit Structure Rehab - Engineering Design	-2,142.91
07/08/2019	26970	HDR Engineering, Inc.	Lauro Outlet Tunnel Concrete Saddle Repair - Engineering Services	-1,027.80
07/08/2019	26971	HDR Engineering, Inc.	San Jose Creek Pipe Stabilization - Engineering Services	-4,076.68
07/08/2019	26972	J&C Services	Office Cleaning Service - Weekly 6/7/19-6/28/19	-600.00
07/08/2019	26973	Makai Ocean Engineering, Inc.	Lake Cachuma Conveyance Operations Feasibility Study - Engineering Services	-29,239.68
07/08/2019	26974	MarBorg Industries	Portable Facilities - Outlying Stations (Ops)	-358.49
07/08/2019	26975	Nestle Pure Life Direct	Operations Safety	-107.86
07/08/2019	26976	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 6/14/19 & 6/28/19	-188.00
07/08/2019	26977	Perry Ford	2018 Ford F150 - Oil Change & Inspection (Fisheries)	-64.43
07/08/2019	26978	SB Home Improvement Center	Paint Supplies (Ops)	-51.45
07/08/2019	26979	SHRM	SHRM Membership 2019-20	-209.00
07/08/2019	26980	Southern California Edison	Electricity - Main & Outlying Stations	-1,209.93
07/08/2019	26981	Trenchalk Network Services, Inc.	Network Support	-2,084.50
07/08/2019	26982	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee (Ops)	-222.85
07/08/2019	26983	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 3051ci & 6052ci	-411.08
07/08/2019	26984	Frontier Communications	Phone Service - Carpinteria	-59.75
07/16/2019	26985	Aqua-Flo Supply	Supplies - Fisheries	-108.55
07/16/2019	26986	Association of Ca Water Agencies/JPIA	August Health Benefits Coverage	-33,657.72
07/16/2019	26987	Charles T. Plough, III	Director Meeting Fees June 2019	-161.60
07/16/2019	26988	Coastal Copy, LP	Copier Maintenance Agreement June 2019 - Taskalfa 3051ci & 6052ci	-277.03
07/16/2019	26989	Cox Communications Santa Barbara	Business Internet July 2019	-140.00
07/16/2019	26990	Elijah Papen	Reimburse ESRI Conference Travel Expense	-1,042.95
07/16/2019	26991	Eurofins Calscience	Lake Cachuma Water Quality Study - Sampling	-860.00
07/16/2019	26992	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Study - Sampling	-16,143.75
07/16/2019	26993	Flowers & Associates, Inc.	Sycamore Canyon Slope Stabilization - Engineering Services	-4,869.00
07/16/2019	26994	Flowers & Associates, Inc.	South Coast Conduit Lower Reach Lateral Structures - Engineering Services	-1,493.50
07/16/2019	26995	Frontier Communications	Phone Service - SCADA (Ops)	-575.32
07/16/2019	26996	HDR Engineering, Inc.	FMP Implementation & Quiota Creek Crossing 8 - Engineering Services	-10,000.05
07/16/2019	26997	HDR Engineering, Inc.	South Coast Conduit Structure Rehab - Projects 2014-C-62, 2013-1-42, 2012-1-26	-5,320.71
07/16/2019	26998	Home Depot Credit Services	Supplies (Ops)	-337.83
07/16/2019	26999	ID Works	Uniform Shirts - Logo Embroidery	-643.26
07/16/2019	27000	Kristen Sneddon	Director Meeting Fees June 2019	-154.81
07/16/2019	27001	Lauren W. Hanson	Director Meeting Fees June 2019	-155.80
07/16/2019	27002	MNS Engineers, Inc.	South Refugio Road Crossings - Easement Surveys	-1,095.00
07/16/2019	27003	Musick, Peeler & Garrett LLP	General Counsel May 2019	-6,402.95
07/16/2019	27004	Nutrien Ag Solutions, Inc.	Weed Abatement (Ops)	-1,363.72
07/16/2019	27005	O'Reilly Automotive, Inc.	Vehicle Supplies (Ops)	-129.05
07/16/2019	27006	Piranha Pipe & Precast, Inc.	South Reach Maintenance - 4 Concrete Riser Pipes	-2,260.00
07/16/2019	27007	Pitney Bowes Reserve Account #17725086	Deposit Funds to Postage Account	-300.00
07/16/2019	27008	Polly Holcombe	Director Meeting Fees June 2019	-144.41
07/16/2019	27009	Powell Garage	2008 Ford Explorer - Service (Ops)	-1,493.26
07/16/2019	27010	Southern California Edison	Electricity - Outlying Stations	-34.00
07/16/2019	27011	Staples Credit Plan	Office Supplies (Ops & Fisheries)	-597.61
07/16/2019	27012	Verizon Wireless	Cellular Services (Ops)	-620.83
07/16/2019	27013	Woodard & Curran	Lake Cachuma Water Quality Study - Professional Services	-34,701.12
07/16/2019	27014	Wright Express Fleet Services	Fleet Fuel June 2019	-2,896.27
07/16/2019	27015	YSI Incorporated/Xylem	Fisheries Equipment - Sonde	-18,575.75
07/16/2019	27016	YSI Incorporated/Xylem	Lake Cachuma Water Quality Study - Probe for Sonde	-3,781.48
07/16/2019	27017	Zac Gonzalez Landscaping & Tree Care	Grounds Maintenance July 2019	-480.00
07/25/2019	ACH072519A	American Riviera Bank (ARB)	EPFP Loan Payment 1 of 2	-28,123.75
07/25/2019	ACH072519B	American Riviera Bank (ARB)	EPFP Loan Payment 2 of 2	-10,354.21
07/30/2019	27018	ACWA-Joint Powers Insurance Authority	Workers Compensation Program 4/1/16-6/30/19	-9,100.72
07/30/2019	27019	Business Card	Website Hosting, Brush Mower, Uniforms, Rosemount Gauge & Pressure Transmitter...	-10,848.78
07/30/2019	27020	ECHO Communications	Message Service August 2019	-68.70
07/30/2019	27021	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Study - Sampling	-13,000.00

Cachuma Operation & Maintenance Board

Paid Claims

As of July 31, 2019

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
07/30/2019	27022	Federal Express	Shipping (Ops)	-202.62
07/30/2019	27023	Hanly General Engineering Corporation	Sycamore Canyon Slope Stabilization - Construction Services	-124,830.00
07/30/2019	27024	Instrument & Valve Services Company	Calibration of Equipment (Ops)	-1,862.65
07/30/2019	27025	MarBorg Industries	Portable Facilities - Outlying Stations (Ops)	-358.49
07/30/2019	27026	Mark Crane's Tree, Inc. Arborist Services	Lauro Reservoir & Mission Canyon Tree Removal	-9,250.00
07/30/2019	27027	Musick, Peeler & Garrett LLP	General Counsel June 2019	-2,264.15
07/30/2019	27028	PG&E	Electricity - Tecolote Tunnel & North Portal	-316.23
07/30/2019	27029	Premiere Global Services	Conference Calls - June 2019	-317.79
07/30/2019	27030	Quill Corporation	Supplies (Ops & Fisheries)	-131.64
07/30/2019	27031	Sansum Clinic-Occupational Medicine	Pre-Employment Physical (Ops)	-269.00
07/30/2019	27032	Total Compensation Systems, Inc.	GASB75 OPEB Rollover Valuation - Installment #2	-720.00
07/30/2019	27033	United States Geological Survey	USGS Quarterly Joint Funding Agreement 5/1/19-7/31/19	-24,387.50
07/30/2019	27034	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfas 3051ci & 6052ci	-411.08
07/30/2019	27035	Winema Industrial & Safety Supply	First Aid Supplies per Inspection	-78.94
Total 1050 - General Fund				<u>-565,088.63</u>
TOTAL				<u>-565,088.63</u>

APPROVED FOR PAYMENT

_____ Director

_____ Director

_____ Director

CACHUMA OPERATION & MAINTENANCE BOARD

Operations Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Thursday, August 15, 2019
4:00 p.m.

Chair: Director Sneddon
Member: Director Holcombe

AGENDA

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. AWIA Risk and Resilience Assessment and Emergency Response Plan (*for information and possible recommendation*)
4. Air Vacuum Air Release / Blow-off Structure Rehabilitation Project (Phases D & E) (*for information and possible recommendation*)
5. Lake Cachuma Conveyance Operations (*for information*)
6. Engineering / Operations Projects Update (*for information and possible recommendation*)
 - Five-Year Infrastructure Improvement Plan
 - Water Quality and Sediment Management Study
 - Ratification of Expenditures
 - Sycamore Slope Stabilization Project
 - Lower Reach Lateral Engineering Designs
 - San Jose Creek Engineering Designs
7. Construction Projects within USBR Right-of-Way (*for information*)
8. Adjournment

NOTICE TO THE PUBLIC

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

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

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

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CACHUMA OPERATION & MAINTENANCE BOARD

Administrative Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Friday, August 16, 2019
10:00 a.m.

AGENDA

Chair: Director Holcombe

Member: Director Hanson

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. Contracts Executed by the General Manager – 4th Quarter Fiscal Year 2018-19 (*for information*)
4. Financial Review – 4th Quarter Fiscal Year 2018-19 (*for information*)
5. Purchase of Fleet Vehicle (*for information and possible recommendation*)
6. Comprehensive Annual Financial Report Audit Process – Fiscal Year 2018-19 (*for information and possible recommendation*)
7. Unexpended Funds – Fiscal Year 2018-19 (*for information and possible recommendation*)
8. Office Building Purchase (*for information and possible recommendation*)
9. Adjournment

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

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2019
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Financial Review – 4th Quarter Fiscal Year 2018-19

RECOMMENDATION:

The Board of Directors receive and file the 4th Quarter Fiscal Year 2018-19 Financial Review and exhibit.

DISCUSSION:

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

FISCAL ANALYSIS:

Revenues Assessed and Collected

- COMB assessed and collected \$998K in quarterly O&M Budget Assessments for the period April – June 2019. The quarterly assessments reflect a credit adjustment in the amount of \$104K due to the negotiation of the budgeted Water Quality and Sediment Management Plan Study to occur over two fiscal years. The second phase of the project will commence in fiscal year 2019-20 for a cost of \$275,085. Additionally, pursuant to the Separation Agreement, starting in Fiscal Year 2017-18 and going forward, certain actual expenditures incurred by COMB will be collected from Santa Ynez River Conservation District, ID No. 1 (a non-member agency) through an invoice issued quarterly by COMB. COMB is currently pursuing collection of unpaid amounts from ID No. 1 for fiscal year 2017-18 and March YTD for fiscal year 2018-19.
- COMB assessed \$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 April – June 2019. Payments were due by the end of July and have been submitted.
- COMB collected in \$35K in final grant reimbursements from the California Department of Fish and Wildlife (CDFW) for Quiota Creek Crossing No. 5 and 9 projects.
- COMB collected \$22k from the Warren Act Trust Fund for Fisheries and Oak Tree Program related expenses incurred for the period April – June 2019.
- COMB collected \$4k in interest income for funds held with LAIF.

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 of \$342K (78.6%) are within budget. In FY 2018-19, COMB received a premium adjustment refund in the amount of \$25K originating from the ACWA/JPIA Liability, Property and Worker's Compensation Program which offset current year expense. COMB also recognized a \$13K costs savings in the current year resulting from a three year auditing services agreement that was awarded.
- General and Administrative Labor includes salaries, employer taxes, health insurance and retirement benefit costs for the COMB General Manager and Administrative staff. General and Administrative Labor expense of \$732.2K (96.2%) are within budget.
- **The total combined General and Administrative expenses and labor of \$1.07M (89.8%) through June are within budget.**

Operations Division

- Operation and Maintenance Labor includes salaries, employer taxes, health insurance and retirement benefit costs. Personnel costs of \$754.5K (92.8%) are lower than the apportioned budget due to staff vacancies that occurred during the fiscal year.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$72.7K (103.9%) are slightly higher than the annual budget of \$70K. The variance is attributable to the timing of the annual generator testing service (\$3.7k) which occurred in June.
- Contract Labor contains funds for outside services and labor that cannot be supported by COMB staff which may include 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 \$61.9K (65.3%) 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 \$81.7K (104.7%) are slightly higher than the annual budget of \$78K. Notable expenses include costs related to the North Portal Access Road Repair project (\$56.9K)
- 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 \$42.9K (94.2%) are within budget.
- Special Projects - Board policy requires that all infrastructure improvement projects are to be approved through Committee and by the Board prior to commencement. Actual costs through June were \$1.1M. This amount is attributed to the following projects: South Coast Conduit Structure Rehabilitation Project/Thomas Debris Flow (\$543.2K), Water Quality and Sediment Management Study (\$183.3K), Lateral 3 Structure Repair (\$88.4K), San Antonio Creek Blow Off Repair (\$73.3K), Sycamore Canyon Slope Stabilization (\$54.9K) and the storage of key components of the pumping barge (\$109.9K). The COMB Building Project (\$200K) scheduled for FY 2018-19 has been delayed and will be brought back to the Board, through the appropriate Committee, for discussion and possible action. 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 \$2.96M (89.8%) through June are within budget.**

Fisheries Division

- **Fisheries Division Labor** includes salaries, employer 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 \$656.9K (94.9%) are within budget.
- **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 \$48.1K (148.1%) are higher than budget. Notable expenses include fleet fuel costs of \$19K, a Sonde water quality monitoring device (\$18.5k) and various vehicle maintenance and repairs (\$7.3K).
- **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. Actual costs of \$12.6K (45.2%) are within budget.
- **Materials and Supplies** includes costs for the purchase of items needed for the Fisheries Monitoring Program specifically for migration, spawning and over-summering; constructing and repairing fish migration traps and the equipment necessary to conduct snorkel and redds surveys. Actual costs of \$7.7K (110.5%) are higher than the apportioned budget. Notable expenses include the battery replacement for six Dissolved Oxygen Loggers (\$920), and various other monitoring supplies (<\$500 per item).
- **Other Expenses** include funds to pay for uniforms and gear for the fisheries division employees. Actual costs of \$2.4K (66.2%) 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. Actual costs of \$148.6K (68.8%) are within the apportioned budget. A decrease in expenditures compared to budget was reflected in the Oak Tree Program (\$23K) and was due to an increased amount of program work performed by internal staff and seasonal employees compared to the use of external contractors as in previous years, as well as a reduction of the number of consultant hours needed. Additionally, a decrease in actual expenditures was noted for budgeted funds reserved for the use of outside consultants related to the BiOp/FMP Implementation (i.e. Bio-Consultant, Hydro-Consultant, SYR Hydrology Technical Support, Grants Technical Support, etc.). The use of external consultants can vary year-to-year based on specific program needs or as particular stream or habitat issues arise. COMB has decreased the budget for FY 2019-20 in the amount of \$23K amongst these various categories.
- **Fisheries Habitat Improvement** - Board policy requires that all habitat improvement projects are to be approved through Committee and by the Board prior to commencement. Costs of \$2.1M through June include the following fish passage projects: COMB Quiota Creek Crossing 5 (\$942K) and Quiota Creek Crossing 9 (\$1.1M). Offsetting grants funds of \$1.89M have been collected in fiscal year 2018-19.
- **The total Fisheries Division expenses of \$3.28M (94.7%) through June are within budget.**

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.

The balance in the restricted is comprised of funds collected for calendar year 2018 SWP deliveries of \$591K. These funds were reviewed by the Cachuma Project Warren Act Trust Funds Advisory Committee at their meeting in May 2019 and will be appropriated towards eligible FY 2019-20 fisheries activities.

COMB has collected an additional \$62.8K of Warren Act Trust Fund payments from CCWA for SWP deliveries that occurred in calendar year 2019. These funds will be reviewed by the committee during spring 2020 for use in FY 2020-21.

- **Renewal Funds (Restricted Fund)** - The Renewal Fund is a requirement of the 1995 Renewal Master Contract (executed in 1996) entered into for water conveyance from the Cachuma Project to the five Cachuma Project Member Units, which are the City of Santa Barbara, the Goleta Water District, the Montecito Water District, the Carpinteria Valley Water District, 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 which bears a ratio to \$257,100, which is inverse to the ratio which the aggregate amount paid into the Warren Act Trust Fund during the immediately preceding Calendar Year bears to \$300,000.

For WY 2018-19, the amount required to be deposited into the Renewal Fund by the Cachuma Member Units was zero based on the fact that the amount of funds deposited into the Warren Act Trust Fund exceeded the calculation threshold. For WY 2019-20, COMB is projecting that the amount required to be deposited into the Renewal Fund will be zero, as well, based on the same criteria.

- **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 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 Cost 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 included 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 (60) 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 June 30, 2019, the total combined principal outstanding for the EPFP loan obligation is approximately \$923K.

- **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 2019-20 is \$261,647 and assesses the Member in accordance with each Member Agencies' 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 2019-20 is \$44,404.66 and assesses the South Coast Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

COMMITTEE STATUS:

The Administrative Committee reviewed the 4th Quarter Fiscal Year 2018-19 Financial Review and exhibit and forwards to the Board with a recommendation to receive and file.

LIST OF EXHIBITS:

- 1) Fiscal Year 2018-19 Statement of Revenue and Expenditures

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**Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
Budget vs. Actuals July 2018 - June 2019**

	Fisheries				Operations				TOTAL			
	Jul - Jun 19	Budget	\$ Over / (Under)		Jul - Jun 19	Budget	\$ Over / (Under)		Jul - Jun 19	Budget	\$ Over / (Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
Income												
Revenue	3,429,658.03	3,462,440.00	-32,781.97	99.1%	3,784,556.85	3,292,374.00	492,182.85	114.9%	7,214,214.88	6,754,814.00	459,400.88	106.8%
Total Income	3,429,658.03	3,462,440.00	-32,781.97	99.1%	3,784,556.85	3,292,374.00	492,182.85	114.9%	7,214,214.88	6,754,814.00	459,400.88	106.8%
Gross Profit	3,429,658.03	3,462,440.00	-32,781.97	99.1%	3,784,556.85	3,292,374.00	492,182.85	114.9%	7,214,214.88	6,754,814.00	459,400.88	106.8%
Expense												
General and Admin Expenses	90,693.77	137,526.08	-46,832.31	65.9%	251,328.90	297,763.00	-46,434.10	84.4%	342,022.67	435,289.08	-93,266.41	78.6%
General and Admin Labor	201,782.67	211,508.92	-9,726.25	95.4%	530,455.39	549,881.00	-19,425.61	96.5%	732,238.06	761,389.92	-29,151.86	96.2%
O&M Labor	0.00				754,498.55	813,247.00	-58,748.45	92.8%	754,498.55	813,247.00	-58,748.45	92.8%
O&M Vehicle & Equip	0.00				72,726.38	70,000.00	2,726.38	103.9%	72,726.38	70,000.00	2,726.38	103.9%
O&M Contract Labor	0.00				61,997.86	95,000.00	-33,002.14	65.3%	61,997.86	95,000.00	-33,002.14	65.3%
O&M Material and Supplies	0.00				81,675.17	78,000.00	3,675.17	104.7%	81,675.17	78,000.00	3,675.17	104.7%
O&M Other Expenses	0.00				42,855.28	45,500.00	-2,644.72	94.2%	42,855.28	45,500.00	-2,644.72	94.2%
O&M Special Projects	0.00				1,116,975.85	1,342,983.00	-226,007.15	83.2%	1,116,975.85	1,342,983.00	-226,007.15	83.2%
Fisheries Labor	656,914.64	692,409.00	-35,494.36	94.9%	0.00				656,914.64	692,409.00	-35,494.36	94.9%
Fisheries Vehicle & Equip	48,138.72	32,500.00	15,638.72	148.1%	0.00				48,138.72	32,500.00	15,638.72	148.1%
Fisheries Contract Labor	12,644.70	28,000.00	-15,355.30	45.2%	0.00				12,644.70	28,000.00	-15,355.30	45.2%
Fisheries Material and Supplies	7,731.85	7,000.00	731.85	110.5%	0.00				7,731.85	7,000.00	731.85	110.5%
Fisheries Other Expenses	2,315.99	3,500.00	-1,184.01	66.2%	0.00				2,315.99	3,500.00	-1,184.01	66.2%
Fisheries Activities	148,607.65	216,000.00	-67,392.35	68.8%	0.00				148,607.65	216,000.00	-67,392.35	68.8%
Fisheries Habitat Enhancement	2,109,249.79	2,133,996.00	-24,746.21	98.8%	0.00				2,109,249.79	2,133,996.00	-24,746.21	98.8%
Other Interest Expense - EPPF	0.00				43,740.85				43,740.85	0.00	43,740.85	100.0%
Total Expense	3,278,079.78	3,462,440.00	-184,360.22	94.7%	2,956,254.23	3,292,374.00	-336,119.77	89.8%	6,234,334.01	6,754,814.00	-520,479.99	92.3%
Net Income	151,578.25	0.00	151,578.25	100.0%	828,302.62	0.00	828,302.62	100.0%	979,880.87	0.00	979,880.87	100.0%

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2019
Prepared by:	Elijah Papen
Approved by:	Janet Gingras

SUBJECT: America's Water Infrastructure Act (AWIA) Risk and Resilience Assessment
Emergency Response Plan

RECOMMENDATION:

The Board of Directors receive information regarding America's Water Infrastructure Act Risk and Resilience Assessment and Emergency Response Plan and provide direction to staff, as appropriate.

SUMMARY:

On October 23, 2018, America's Water Infrastructure Act (AWIA) was signed into law. The law requires community (drinking) water systems serving more than 3,300 people to develop or update risk and resilience assessments (RAs) and emergency response plans (ERPs). The law specifies the components that the RAs and ERPs must address, and establishes deadlines by which water systems must certify to the Environmental Protection Agency (EPA) completion of the RA and ERP.

Certification Deadlines

Population Served	Risk Assessment	Emergency Response Plan*	
≥100,000		March 31, 2020	September 30, 2020
50,000-99,999		December 31, 2020	June 30, 2021
3,301-49,999		June 30, 2021	December 30, 2021

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

Risk and Resilience Assessment Requirements

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

- The risk to the system from malevolent acts and natural hazards.

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

The assessment may include an evaluation of capital and operational needs for risk and resilience management for the system. EPA recently released a baseline threat document to provide community water systems with additional information concerning risk assessment requirements. A Vulnerability Self-Assessment Tool (VSAT) is currently available through the EPA, which aids utilities in the AWIA process by assessing vulnerability to man-made/natural hazards and potential for improving resilience. Staff utilized the EPA's condition assessment worksheet when creating the asset management tool for the Infrastructure Improvement Plan process and is in the process of populating information into the VSAT tool.

Emergency Response Plan Requirements

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

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

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

Certification Process

The EPA is currently developing a process for community water systems to certify completion of risk assessments and emergency response plans. Three options will be provided for risk assessment and emergency response plan certification submittals:

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

Contact information for each option is forthcoming.

Please note that the EPA does not require or recommend sending the Risk and Resilience Assessment or the Emergency Response Plan, but requires only the certification of completion.

Third-Party Standards

The EPA does not require water systems to use any designated standards, methods or tools to conduct the risk and resilience assessments or to prepare the emergency response plans required under AWIA Section 2013. Rather, community water systems must conduct risk and resilience assessments and prepare emergency response plans that meet the specific requirements outlined under AWIA Section 2013.

Community water systems may use any standards, methods or tools that aid the system in meeting the requirements of AWIA Sections 2013(a) and (b). However, regardless of the use of any standard, method or tool, the community water system is responsible for ensuring that its risk and resilience assessment and emergency response plan fully address all AWIA requirements.

Five-year Review, Revision and Certification Requirements

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

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

Training

EPA will be hosting overview webinars and detailed in-person/web accessible training on the new risk assessment and emergency response plan requirements and tools.

FISCAL IMPACTS:

None at this time.

COMMITTEE STATUS:

The Operations Committee received information from staff regarding the America's Water Infrastructure Act Risk and Resilience Assessment and Emergency Response Plan and forwards to the Board with a recommendation to receive or provide direction to staff, as appropriate.

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2019
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Purchase of Replacement Fleet Vehicle

RECOMMENDATION:

The Board of Directors authorize the General Manager to execute a purchase order with Vreeland Ford in an amount not to exceed \$28,406 for the purchase of a replacement fleet vehicle.

SUMMARY:

The Fisheries Division is requesting authorization to replace an existing fleet truck with a new truck in accordance with our Vehicle Replacement Matrix (attached). Staff received four quotations from various local dealers for the purchase of the replacement vehicle. Purchase price quotations ranged from \$28,406 to \$32,149. Vreeland Ford of Buellton provided the lowest quotation.

FISCAL IMPACTS:

The Fiscal Year 2019-20 Operating Budget contains funding for the purchase of a replacement vehicle.

COMMITTEE STATUS:

The Administrative Committee reviewed the proposed cost for the purchase of a replacement fleet vehicle and forwards to the Board with a recommendation to approve.

LIST OF EXHIBITS:

1. Vehicle Replacement Matrix

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**CACHUMA OPERATION AND MAINTENANCE BOARD
VEHICLE REPLACEMENT MATRIX
YEAR ENDED JUNE 2019 - Revised Aug 2019**

DRAFT

VEHICLE/ EQUIPMENT#	VEHICLE TYPE	YEAR	LICENSE #	VIN#	MILEAGE as of Jun 2019	MILEAGE SCORING	OVERALL CONDITION OF THE VEHICLE	VEHICLE AGE	SCORE	VEHICLE TO BE REPLACED IN FY 2019-20	VEHICLE TO BE REPLACED IN FY 2020-21	VEHICLE TO BE REPLACED IN FY 2021-22	VEHICLE TO BE REPLACED IN FY 2022-23
FISHERIES													
119	Ford F-150 4WD	2003	1052182	1FTRW08623KD11937	144,283	3	1	4	8		Yes		
122	Chevy Colorado 4x4	2006	1197147	1GCDT196868198584	289,432	4	2	3	9	Yes			
130	Chevy 2500 HD 4WD Crew Cab	2012	1385771	1GC1KVCGXCF204276	17,415	0	1	2	3				
132	Ford F-150 4WD Supercab	2015	1447024	1FTFX1EG3FKE06157	48,993	0	0	1	1				
133	International 2,000 Gallon Water Truck	2013	1386718	3HAJTSKM8DL257077	17,095	0	1	2	3				
134	Ford F-150	2018	1549481	1FTEW1EP7JKD73526	9,998	0	0	1	1				
OPERATIONS													
118	Chevy C-Series, C-6500	1999	1117561	1GBJ6H1D0XJ106329	17,492	0	2	4	6				
121	Ford F-550 4x4 chasis	2005	1197073	1FDAF57Y85EB32487	60,075	1	2	3	6				Yes
125	Ford F-350	2007	1218224	1FDWF36YX7EB40525	26,717	0	1	3	4				
127	Chevy Silverado 3500HD	2007	1313731	1GBJK34K77E511346	48,724	0	2	3	5				
128	Ford Explorer	2008	1330733	1FMEU63E38UB18886	125,436	3	1	3	7			Yes	
131	Chevy Silverado 1500 4WD	2015	1441833	3GCUKPEC0FG425486	81,244	2	1	1	4				
138	Ford F-150	2019		1FTEX1EB7KKD76042	1,627	0	0	0	0				

MILEAGE SCORING	VEHICLE AGE SCORING	OVERALL CONDITION SCORING (USING KELLEY BLUE BOOK STANDARDS LISTED BELOW)
0 to 50,000 miles - 0 50,001 to 80,000 miles - 1 80,001 to 100,000 miles - 2 100,001 to 150,000 miles - 3 150,001 to 200,000 miles - 4	Less than a year old - 0 1-5 years old - 1 6-10 years old - 2 11-15 years old - 3 15 years or older - 4	<p align="center">Excellent condition - 0</p> <p>Excellent condition means that the vehicle looks new, is in excellent mechanical condition and needs no reconditioning. This vehicle has never had any paint or body work and is free of rust. The vehicle has a clean Title History and will pass a smog and safety inspection. The engine compartment is clean, with no fluid leaks and is free of any wear or visible defects. The vehicle also has complete and verifiable service records. Less than 5 percent of all used vehicles fall into this category.</p> <p align="center">Good condition - 1</p> <p>Good condition means that the vehicle is free of any major defects. This vehicle has a clean Title History, the paint, body and interior have only minor (if any) blemishes, and there are no major mechanical problems. There should be little or no rust on this vehicle. The tires match and have substantial tread wear left. A "good" vehicle will need some reconditioning to be sold at retail. Most consumer owned vehicles fall into this category.</p> <p align="center">Fair condition - 2</p> <p>Fair condition means that the vehicle has some mechanical or cosmetic defects and needs servicing but is still in reasonable running condition. This vehicle has a clean Title History, the paint, body and/or interior need work performed by a professional. The tires may need to be replaced. There may be some repairable rust damage.</p> <p align="center">Poor condition - 3</p> <p>Poor condition means that the vehicle has severe mechanical and/or cosmetic defects and is in poor running condition. The vehicle may have problems that cannot be readily fixed such as a damaged frame or a rusted-through body. A vehicle with a branded title (salvage, flood, etc.) or unsubstantiated mileage is considered "poor." A vehicle in poor condition may require an independent appraisal to determine its value.</p> <p align="center">Inoperable condition - 4</p> <p>Vehicle unable to be driven due to mechanical or safety reasons.</p>

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2019
Submitted by:	Joel Degner
Approved by:	Janet Gingras

SUBJECT: **Resolution No. 698 - Professional Services Agreement - Construction Contract for Schedule D and E of the Air Vacuum Air Release (AVAR) / Blow-off Structure Rehabilitation Project**

RECOMMENDATION:

The Board of Directors review the proposed construction costs for Schedule D and E of the AVAR / Blow-off Structure Rehabilitation Project and, through adoption of Resolution No. 698, approve and authorize the General Manager to:

- 1) Execute a sole source Professional Services Agreement - Construction Contract with Cushman Contracting Corporation in an amount not to exceed \$398,320.
- 2) Execute two purchase orders for procurement of the valves and blind flanges in an amount not to exceed \$39,000 (total) to support the construction of the project.

SUMMARY:

Repair and upgrades to the AVAR and blow-offs structures are essential for continued reliable delivery of water from the South Coast Conduit to our Member Agencies. Without this project, unscheduled emergency repairs would eventually be required, interrupting water deliveries to a significant portion of the system.

BACKGROUND:

The SCC is a concrete-lined, concrete-encased steel pipeline extending twenty-six miles from the Goleta reach south to Carpinteria Reservoir. The pipeline ranges in diameter from 27" to 48". From Cater Treatment Plant to Barker Pass the conduit is 30" in diameter.

The South Coast Conduit contains three main different types of appurtenant structures: blow-offs, air vents, and laterals (or turnouts). These structures are located within vaults along the length of the South Coast Conduit. Overtime, the metal components of these structures have corroded and have been identified as having questionable integrity. Due to the severe corrosion on the blow-off risers, the riser pipes on many of the blowoffs need to be abandoned (grit blasted, coated, blind flanged, grout plug, and encase in concrete) and replaced with new manhole covers, new components and blow-off outlets. Existing air vents connect to the conduit through the manhole covers and can be replaced with new manhole covers and are a less complicated repair.

The design for the continued rehabilitation includes a double valve system for the air vents and blow-offs, with one valve located in the vault and one valve located outside of the vault. Two valves allow minimal water to be released when exercising valves. In the event of an emergency, the benefit of a secondary valve outside of the vault allows a single operator to open and close the air vent or blow-off without needing to meet the requirements for confined space entry into the vaults.

The Upper Reach SCC structures (South Portal to Lauro Reservoir) were rehabilitated from 2004 to 2007. This work involved replacing most the components for the blow-offs and air vents, but did not involve abandoning and replacing the risers located on the South Coast Conduit.

In 2017, HDR Engineering, Inc. was selected as the engineering firm to provide a detailed assessment of site conditions, equipment conditions, and access constraints for the Lower Reach structures. Alternative strategies for implementing the repairs were investigated and a recommended approach was determined. HDR Engineering proceeded to prepare the plans and specifications for bidding.

The plans and specifications provide the suggested repairs from Cater Treatment Plant to Carpinteria Reservoir. The repair and upgrade of the blow-offs and AVAR structures have been divided into 6 different schedules by location and coordinated timing for shutdowns (Figure 1). The six schedules are summarized below in Table 1. The project solicited for bid on December 8, 2017 included schedule A, B, and C repairs. Five construction firms attended the site visit (Blois Construction, Tierra Contracting, Specialty Construction, Lash Construction, and Cushman Contracting). Two bids were received. Cushman Contracting was the lowest responsive, responsible bidder by 30 percent.

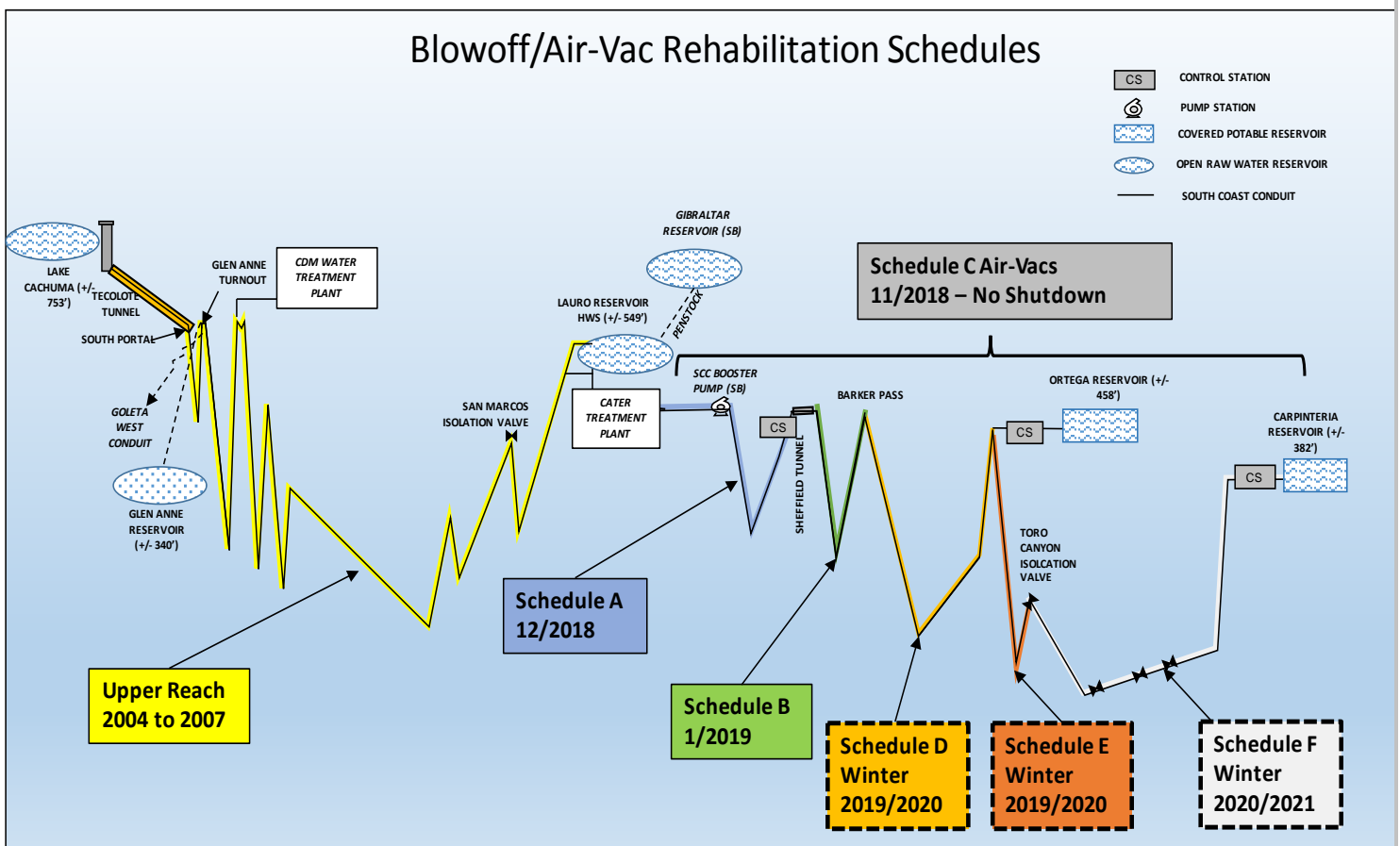


Figure 1. Schematic of Cachuma Project showing AVAR/BO Rehabilitation Schedule

During the winter of 2018-2019, Cushman Contracting Corporation (CCC) completed the AVAR/BO rehabilitation on 23 structures in 3 different schedules: A, B, and C. Schedule A involved 4 blow-off structures which were rehabilitated and completed during a 3-day shutdown. Schedule B involved 7 blow-offs and 3 AVAR structures completed during a 3-day shutdown.

During each scheduled shutdown, Cushman completed all the planned work in 2.5 days of the scheduled 3-day window. The Schedule B shutdown required 5 different (2 or 3 person) crews working simultaneous to complete the work on time. In addition, higher than expected rainfall arrived on the weekend prior to the shutdown (2+ inches), limiting equipment access to some locations. Subsequently, CCC was able to complete the planned work without a change order request related to adverse weather conditions. Schedule C work involved cleaning, coating, and installing anodes on 9 AVAR structures outside a shutdown.



Original valve and piping in blowoff structure



Replaced outlet, valve and piping in blowoff structure during Schedule B in 2019

Construction for Schedule D and E in Montecito is planned for the winter of 2020. There are five blow-off structures and three air vents in Schedule D and three blow-off structures in Schedule E. The AVAR/BO rehabilitation work is challenging and needs to be completed in a limited shutdown period in tight confined spaces with limited access. Due to age and corrosion, removal of existing piping and valves can be difficult. This work requires skilled and competent crews working in multiple locations simultaneously.

The plans and specifications for the entire AVAR/BO rehabilitation project included all lower reach blow-off and air-vac structures. However, the original bid solicitation only covered 23 of the 46 structures scheduled for rehabilitation. Based on their successful performance in the winter of 2018-19, COMB requested a quote from CCC to complete the Schedule D and E work in the Montecito. Cushman provided the quote for Schedule D and E based on the plans and specifications and the competitively bid prices from Schedule A, B, C as shown in Table 2.

Table 2. Cushman Contracting Quote For Schedule D and E

Item	Description	Cushman Bid Schedule D and E
1	Mobilization and Demobilization	\$ 13,500
2	Sheeting, Shoring, and Bracing	\$ 6,720
3	Schedule D Work Plan	\$ 3,500
4	Schedule E Work Plan	\$ 2,500
5	Schedule D Blow-off and Air/Vac Upgrades	\$ 265,000
6	Schedule E Blow-off and Air/Vac Upgrades	\$ 107,100
Total Quote		\$ 398,320

The quote is comparable to Cushman's competitive bid pricing for Schedule A and B work as indicated in the non-competitive bid justification form (Exhibit 2).

FISCAL IMPACTS:

The Fiscal Year 2019-20 approved Operating Budget includes \$400,000 for the construction contract work for the AVAR/BO rehabilitation project. The quotation received from Cushman Contracting Corporation for Schedule D and E was \$398,320. To avoid additional cost mark-up, COMB plans to purchase the valves and 20" blind flanges through the operating budget materials and supplies for \$39,000.

COMMITTEE STATUS:

The Operations Committee reviewed the proposed construction costs for Schedule D and E of the AVAR / Blow-off Structure Rehabilitation Project and forwards to the Board, through Resolution No. 698, with a recommendation to approve and authorize the General Manager to:

- 3) Execute a sole source Professional Services Agreement - Construction Contract with Cushman Contracting Corporation in an amount not to exceed \$398,320.
- 4) Execute two purchase orders for the procurement of the valves and blind flanges in an amount not to exceed \$39,000 (total) to support the construction of the project.

LIST OF EXHIBITS:

1. Resolution No. 698
2. Non-Competitive Bid (NCB) Justification Form

RESOLUTION NO. 698

**RESOLUTION OF THE GOVERNING BOARD OF THE
CACHUMA OPERATION & MAINTENANCE BOARD APPROVING
CONTRACT EXECUTION WITH CUSHMAN CONTRACTING CORPORATION FOR
CONSTRUCTION OF THE AIR VACUUM AIR RELEASE / BLOW-OFF STRUCTURE
REHABILITATION PROJECT**

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 (collectively the “Joint Powers Agreement”); and

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

WHEREAS, COMB operates and maintains Cachuma Project facilities pursuant to a Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation, including air vacuum air release valves and blow-off structures contained inside concrete vaults that sit directly on top of the South Coast Conduit located in the Lower Reach of the system; and

WHEREAS, it is necessary for COMB to implement rehabilitation of the Air Vacuum Air Release Valve / Blow-Off structures in the lower reach (the “Project”), as outlined in the COMB staff report, to ensure the continued reliable conveyance of Cachuma Lake Project water through the South Coast Conduit; and

WHEREAS, the Board approved a proposal from COMB’s consultant, HDR, Inc., to conduct a detailed assessment of site conditions and prepare 100% engineering designs and specifications which have been completed and will be used by the contractor to implement the Project; and

WHEREAS, a competitive bidding process was performed for the first phase (Schedule A, B, and C) of the Project (the “Bid”), and sealed bids were opened on February 16, 2018, with Cushman Contracting Corporation being found to be the lowest responsive, responsible bidder – 30% lower than the next lowest bid price; and

WHEREAS, Cushman Contracting Corporation successfully completed the challenging work associated with schedules A, and B in the winter of 2018 under the timeframe allotted for each shutdown; and

WHEREAS, it is in the best interest of COMB to complete the remaining schedules of this challenging project using the same professional contractor who prevailed as the lowest responsive, responsible bidder and who is extremely familiar with the nuances of the South Coast Conduit system and this rehabilitation project; and

WHEREAS, the proposal received from Cushman Contracting Corporation for Schedule D and E is similar to the original competitive pricing received for Schedule A and B on this project;

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

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

2. The Governing Board authorizes a Professional Services Agreement - Construction Contract to be executed with Cushman Contracting Corporation for Schedule D & E of the Air Vacuum Air Release and Blow-Off Valve rehabilitation project in an amount not to exceed \$398,320.

3. The Governing Board further authorizes COMB's officers and staff, including the General Manager, to continue to do all things necessary and appropriate, including, but not limited to, execution and delivery of necessary documents, the obtaining of applicable permits, and any other actions to construct and implement the Project using the approved expenditures.

4. This Resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 26th day of August 2019, by the following roll call vote:

Ayes:

Nayes:

Absent/Abstain:

APPROVED:

President of the Governing Board

ATTEST:

Secretary of the Governing Board

CACHUMA OPERATON & MAINTENANCE BOARD

Non-Competitive Bid (NCB) Justification

Date: August 26, 2019
To: Board of Directors
From: Engineering / Operations Division
Project: AVAR / Blow-off Rehabilitation Project – Schedule D and E

Complete responses must be provided for all of the following questions:

A. Why is the submission of a NCB necessary and what are the determining factors?

A contract with Cushman Contracting to perform the AVAR-BO rehabilitation work in the Lower Reach of the South Coast Conduit was approved by the COMB Board in April 2018 following a competitive bid process. Cushman Contracting Corporation (CCC) bid proposal was 30 percent lower than the next lowest bidder. The plans and specifications for the project were designed to cover all blow-off and air-vacs on the lower reach through six schedules (A to F), but due to phasing of the contract for budgetary reasons, the bid requested only cost proposals for schedules A, B, and C.

The AVAR/BO rehabilitation work is challenging due to a very limited time period for shutdowns. The work needs to be completed in a 3-day shutdown period. In addition, there is increased risk as the work occurs in confined space structures with limited access, the work involves removing old piping and valves that are highly corroded and difficult to remove, and all structures that are worked on need to be isolated and returned to service quickly and smoothly in order to maintain reliable water supply to the South Coast communities. A disruption of service would be disastrous for the community.

During the previous shutdowns, Cushman Contracting Corporation provided an organized approach with very skilled staff that was able to successfully complete the shutdown work in 2.5 days for both Schedule A and B shutdowns in the winter of 2018-2019 (December 2018 and January 2019). The work was planned in a stepwise fashion and involved extreme coordination among the several trained crew workers. The first shutdown included 4 structures with the second shutdown comprising 10 structures.

Utilizing the same contractor (for the Schedule D and E work) that successfully performed the Schedule A, B, and C work reduces both the cost and risk for the continued rehabilitation of the blow-offs and air vents. Similar contract documents and submittal materials and methods will be utilized for Schedule D and E.

B. What are the consequences of not having this NCB approved?

A competitive bid process may delay this important work to the following year. There would be increased costs associated with competitively bidding the next phase of work. The contractor is aware that their previous bid price was 30% lower than the next lowest bidders' proposal and subsequently could increase their costs in a competitive bid process. Cushman Contracting has agreed to honor a similar price point on the next phase of this important work.

C. How will COMB ensure adequate planning to prevent submittal of NCB's for goods or services that should have been competitively bid?

The original contract was competitively bid and structured in such a way to build up the work with the contractor for more complexity. The contractor performed successfully on the first phase (Schedule A, B, and C) and was able to provide a quote for the next schedules based on the competitively bid prices. By approving a contract for Schedule D and E work using similar contract documents from Schedule A and B, COMB is able to limit risk and cost for this critically important rehabilitation work.

RESTRICTED CONTRACTOR JUSTIFICATION (NON COMPETITIVE BID)

A. PRICE ANALYSIS

1. How was the price offered determined to be fair and reasonable?

Based on their performance in the winter of 2018-19, COMB requested a quote from CCC to complete the Schedule D and E work in the Montecito area during the winter of 2019-20 based on the plans and specifications and the competitively bid prices from Schedule A, B, C. CCC provided the quote for schedule D and E as shown in Table 1.

Table 1 . Cushman Contracting Quote For Schedule D and E

Item	Description	Cushman Bid Schedule D and E
1	Mobilization and Demobilization	\$ 13,500
2	Sheeting, Shoring, and Bracing	\$ 6,720
3	Schedule D Work Plan	\$ 3,500
4	Schedule E Work Plan	\$ 2,500
5	Schedule D Blowoff and Air/Vac Upgrades	\$ 265,000
6	Schedule E Blowoff and Air/Vac Upgrades	\$ 107,100
Total Quote		\$ 398,320

A cost comparison is provided between Schedule A/B costs and Schedule D/E cost provided by Cushman Contracting in Table 2. The costs for Schedule C were not included. These are involved cleaning, coating, and installing anodes on nine air vents that were in good condition and not comparable to the work in Schedule A/B or D/E.

The cost per structure is slightly higher for Schedule D/E due to the larger number of blow-off structures that require full replacement and an air vent located in Highway 192 that needs to be relocated outside the structure and out of the street. Full replacement requires much more extensive excavation outside the vault structures and the structure in the highway requires the use of traffic control, road plates, and asphalt replacement.

Material costs and construction costs have also increased since the Schedule A/B bid process. To limit impacts of increased material cost, COMB staff plans to utilize available parts in its inventory and purchase the 20” blind flanges (\$31,190) and valves (\$7,525).

Table 2. Comparison of Schedule A/B and D/E prices.

Item	Schedule A/B	Schedule D/E
Blow-off Detail 1 (Valve Replacement Only)	3	2
Blow-off Detail 2 (Vault Piping Replacement)	5	1
Blow-off Detail 3 (Full Replacement)	2	5
Air-Vac Detail 2 (Replacement in Vault)	3	2
Air-Vac Detail 3 (External Air Vent Installation)	0	1 ^a
Total Structures	13	11
Total Cost	\$455,959	\$437,035 ^b
Cost per Structure	\$35,074	\$39,730

^aIn roadway on Highway 192 – each structure contains unique components and may require custom approach for completion.

^bSchedule D/E Costs included the proposed construction contract (\$398,320) and blind flanges, valves, and spools to be provided by COMB (\$38,715).

2. Describe any cost savings realized or costs avoided by acquiring the goods/services from this contractor.

By continuing to utilize this contractor, who was 30 percent lower than the competition for Schedules A/B/C, COMB would continue to cost effectively complete this critically important rehabilitation work. CCC has proven to be organized, highly skilled, and extremely competent to persevere through adverse conditions and subsequently complete work on Schedule A and B ahead of time. If a competitive bidding process were to occur and to minimize potential risks, a different construction approach would be needed (to test and train a contractor) prior to performing the critical work during the shutdowns. Also, if COMB were to competitively re-bid this work, CCC may come in at a higher price knowing that the competition was 30 percent higher. COMB would also incur costs related to preparing bid documents for the bid process.

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2019
Submitted by:	Janet Gingras

SUBJECT: Resolution No. 699 - Ratification of Unexpected Expenditures for Expedited Water Quality Sampling

RECOMMENDATION:

The Board of Directors review the unexpected expenditures for expedited water quality sampling at Lake Cachuma in the amount of \$48,889 and, through adoption of Resolution No. 699, approve ratification of the expenditures as recommended by COMB's contracted consultants, Woodard and Curran.

SUMMARY:

In late June, COMB staff visually observed unusual water conditions located in an area of the lake where Highway 154 was repaired in early 2019. Staff notified treatment plant staff at both Cater and Corona Del Mar per normal operational protocols. A conference call was conducted with technical staff and our water quality and sediment management consultants, Woodard and Curran, to discuss sampling schedule and options. Woodard and Curran recommended that COMB staff increase the normal schedule and take water samples at least 3 times per week. In addition, it was recommended staff request the lab results be expedited in order to inform the treatment facilities as soon as results were available. Member Agency staff concurred with the recommendation. The expedited turnaround (48 hours) on the lab samples contained a premium of 100% of normal costs. COMB proceeded to continue the expedited results as recommended by the consultant.

The costs of the expedited results cumulatively exceeded the expenditure authority of the General Manager under the procurement policy. Normally, the costs would have been below the threshold of \$25,000. Due to the increased frequency and expedited results, the total costs were \$48,889. As required by the procurement policy, the General Manager must submit a written determination of the basis for the emergency procurement to the Board for ratification. This memorandum serves as the written determination.

FISCAL IMPACTS:

The unexpected costs were charged to the Water Quality and Sediment Management Study (Special Projects) line item which reflects an over-expended budget. However, the overall actual costs for Operations Special Projects combined were under expended for the fiscal year ending June 30, 2019.

COMMITTEE STATUS:

The Operations Committee reviewed the unexpected expenditures for expedited water quality sampling in the amount of \$48,889 and forwards to the Board, through Resolution No. 699, with a recommendation to ratify the expenditures as recommended by COMB's contracted consultants, Woodard and Curran.

LIST OF EXHIBITS:

1. Resolution No. 699

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RESOLUTION NO. 699

A RESOLUTION OF THE GOVERNING BOARD OF THE CACHUMA OPERATION AND MAINTENANCE BOARD RATIFYING EXPENDITURES ASSOCIATED WITH UNEXPECTED WATER QUALITY SAMPLING AT LAKE CACHUMA

RECITALS

WHEREAS, the Cachuma Operation and 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 (collectively the “Joint Powers Agreement”); and

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

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

WHEREAS, in June and July 2019, staff observed extraordinary water quality conditions at Lake Cachuma necessitating additional water quality sampling methods as recommended by COMB’s consultants, Woodard and Curran; and

WHEREAS, based on Woodard and Currans’ recommendation, staff increased the frequency and expedited the results on the water quality sampling to ensure prompt information was provided to the treatment facilities; and

WHEREAS, the costs to perform the additional sampling and related expedited results cumulatively caused an exceedance in expenditures under the authority of the General Manager; and

WHEREAS, as required by the procurement policy, the General Manager must submit a written determination of the basis for the emergency procurement to the Board for ratification; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Cachuma Operations and Maintenance Board as follows:

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.
2. The Governing Board hereby approves and ratifies the expenditures associated with the unexpected expenditures for expedited water quality sampling at Lake Cachuma in the amount of \$48,889.
3. The Governing Board further authorizes COMB’s officers and staff, including the General Manager, to continue to do all things necessary and appropriate, including, but not limited

to, execution and delivery of necessary documents, and any other actions to implement the Project using the approved expenditures.

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

5. This Resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 26th day of August 2019, by the following roll call vote:

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board



Mission Statement:

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

August 26, 2019

General Manager Report

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

Personnel

- **Staffing**

During the past few months, COMB has filled two vacant Water Service Worker I positions in the Operations Division. The Operations Division is currently at full staffing and no additional hires are anticipated.

Meetings

- **Santa Barbara County Integrated Regional Water Management (IRWM) Plan**

The Santa Barbara County IRWMP Participating Cooperating Partners met in early August to consider a potential South Coast Project withdrawal and contemplation of a new project selection. Those participating partners in attendance voted to move forward with the City of Santa Barbara and Montecito Water District Regional Supply Pipeline project. A discussion followed regarding climate change assessment and a sub-committee was formed to further address the issue.

- **Member Agency Internal Technical Staff Meeting**

An internal technical staff meeting was conducted by COMB in early August. The purpose of the meeting was to provide an update to Member Agency technical staff related to COMB progress on and development of the draft 5-year Infrastructure Improvement Plan, Lake Cachuma conveyance operations, the Water Quality and Sediment Management study, and to discuss and coordinate ongoing conveyance operations with Member Agency staff.

- **Santa Barbara County Hazard Mitigation Plan Meeting**

Staff attended an initial meeting held by the Santa Barbara County Office of Emergency Services to discuss the update process for the Santa Barbara County 2017 Hazard Mitigation Plan (HMP) and annexes. An overview of the process was presented by County staff. The current HMP is a multi-jurisdictional plan utilizing an initial plan created by Santa Barbara County OEM and contains annexes provided by each jurisdiction in the HMP including eight cities and four special districts. The process is led by County OEM using a mitigation advisory committee with representatives from each jurisdiction and CalOES. The update process will be ongoing for several months.

U.S. Bureau of Reclamation

- **Cachuma Water Year 2020 Allocation Request – Contract No. I75r-1802R (Contract) – Cachuma Project**

On July 22, 2019, Michael Jackson, SCCAO Area Manager with the US Bureau of Reclamation informed the Santa Barbara County Water Agency and the Cachuma Project Member Units of its concurrence with the agency's proposed recommendation to allocate 100% of the contract total of 25,714 acre-fee in water allocations for water year 2020.

- **2019 Downstream Water Rights Releases**

On August 14, 2019, the Santa Ynez River Water Conservation District (Parent District) posted to its agency website that no Downstream Water Rights Release are planned for the Santa Ynez River. This conservative approach will retain the Downstream Water Rights Credits at Lake Cachuma Reservoir for the need during a future dry year.

- **Cachuma Project Water Rates – Water Year 2020**

Preliminary Cachuma Project Water Rates for 2020 have been received from Reclamation. The water rates are calculated based on projected reimbursable annual operation and maintenance (O&M) costs and divided by projected water deliveries for the year. Each year, the annual O&M costs for the Cachuma Project are estimated by the Fresno Area Office and provided to the rate-setting branch within the Financial Management division of Reclamation (Sacramento).

Water delivery projections are based on the delivery schedule that is supplied by the Member Agencies to the Santa Barbara County Water Agency and submitted to Reclamation. COMB staff is seeking information from Reclamation on variances related to cost recovery to substantiate the difference between budgeted and actual expenditures. Once confirmed by Reclamation, water rate invoices for the first period will be sent to the Cachuma Member Agencies and are due in early October.

Administration

- **Telephone Service**

COMB staff recently completed an internal assessment of telephone hardware/software and long distance service costs. COMB staff reviewed and compared various service providers and contracted with Impulse Advanced Communications to install a T-1 line at the COMB main office which improved sound quality while eliminating a majority of monthly long distance charges. The projected annual cost savings to be recognized based on the change is approximately \$12,660 or 35.8% reduction in communication costs.

- **Contracts Executed by the General Manager - 4th Quarter Fiscal Year 2018-19**

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 April 1, 2019 through June 30, 2019 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.

Table 1 below lists all contracts executed by the General Manager for the period April 1, 2019 through June 30, 2019, sorted by execution date.

Table 1				
Contracts Executed by General Manager				
April 1, 2019 - June 30, 2019				
Vendor Name	Contract Description	Date Executed	Date Expires	Contract Amount
Flowers & Associates, Inc.	Engineering Services - SCC Lower Reach Lateral Structures	04/05/2019	06/30/2020	\$83,500
HDR Engineering, Inc.	Engineering Services - SCC Isolation Valve	04/15/2019	04/30/2020	\$44,000
Zac Gonzalez Landscaping	Lauro Yard Landscaping	04/15/2019	05/31/2019	\$5,122
Zac Gonzalez Landscaping	Monthly Landscaping & Maintenance Services	04/15/2019	Until Terminated	\$480/month
Mark Crane's Tree Inc.	Lauro & Mission Canyon Tree Removal	05/01/2019	05/15/2019	\$9,250
Cushman Contracting Corp.	Upper Reach - Open Air Vent Rehabilitation	05/01/2019	05/31/2019	\$12,350
Kenney Construction Corp.	Lower Reach Culvert Repair	05/01/2019	06/30/2019	\$11,300
HDR Engineering, Inc.	Engineering Services - SCC San Jose Creek Crossing	05/30/2019	12/31/2019	\$70,437
CalPortland Construction	North Portal Access Road Repair & Erosion Control	06/06/2019	06/30/2019	\$79,963
Flowers & Associates, Inc.	Right of Way Survey - Carpinteria Reach	06/07/2019	09/30/2019	\$5,235
Flowers & Associates, Inc.	Engineering Services - Sycamore Canyon Slope Stabilization	06/07/2019	12/31/2019	\$48,000
Bartlett Pringle & Wolf	Engagement Letter for FY 2018-19 Single Audit	06/12/2019	12/31/2019	\$10,000
Esys Energy Control Company	Parker Solenoid Control Valves	06/24/2019	09/01/2019	\$1,936

- **Comprehensive Annual Financial Audit Process – Fiscal Year 2018-19**

Annually, in compliance with the Governmental Accounting Standards Board (GASB), COMB issues an independently audited comprehensive financial report to communicate detailed information about its financial condition and operating results over the past fiscal year.

For fiscal year ending June 2019, COMB has engaged Bartlett, Pringle & Wolf, LLP (BPW) to perform its annual comprehensive financial audit. The audit is comprised of a review of the statement of net position as of June 30, 2019, related statements of revenue, expenses and changes in net position, cash flows for the year then ended, and the related notes to the financial statements. In addition, BPW will perform two single audits related to the California Department of Fish and Wildlife grant funding received for the Quiota Creek fish passage improvement projects at crossings five and nine. The audits will be conducted in accordance with audit requirements imposed by the Single Audit Act and Subpart F of Title 2, U.S. Code of Federal Regulations (CFR) Part 200, Uniform Administrative Requirements, cost principles, and audit requirements for federal awards.

BPW will present the COMB Board with audited financial statements in accordance with Government Auditing Standards issued by the Comptroller General of the United States and the State Controller's Minimum Audit Requirements for California Special Districts. BPW will express an opinion about whether the financial statements fairly represent the financial position of COMB.

BPW will also evaluate the adequacy of the internal control system, the electronic data processing and, where weaknesses are noted, make appropriate recommendations for improvements. BPW will further

submit a written management letter which communicates suggested improvements in the District's financial operations, and any deficiencies in internal controls that need to be addressed by COMB.

The Government Accounting Standards Board (GASB) Statement No. 75, *Accounting and Financial Reporting for Post-employment Benefits Other Than Pensions*, adopted in 2015, replaced the requirements of GASB Statement No. 45, *Accounting and Financial Reporting by Employers for Post-employment Benefits Other Than Pensions*. The primary objective of GASB 75 is to improve accounting, transparency and financial reporting by state and local governments for postemployment benefits other than pensions. The provisions contained in GASB 75 were implemented by COMB with fiscal year ending June 30, 2018.

GASB 75 requires that a valuation be performed on an annual basis and allows for a roll-forward calculation every other year by "rolling forward" the Total OPEB Liability from the previous actuarial study. COMB has engaged Total Compensation Systems, Inc. (TCS) to perform a roll-forward valuation with a measurement date of June 30, 2019. TCS has provided staff with a draft actuarial study. BPW will present the results of the roll-forward valuation to the Board as part of their CAFR audit presentation.

The schedule below outlines the Fiscal Year 2018-19 audit process calendar.

Cachuma Operation & Maintenance Board
Preliminary CAFR Audit Schedule
Fiscal Year 2018-19

Deliverables	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Preliminary Fieldwork and Internal Control Testing Performed by BPW	X						
Preliminary Fieldwork for Single Audit Re: Quiota Creek Crossing No. 5 and 9 Federal Grant Funding	X						
Year End Close Process and Preliminary Financial Statements Completed by COMB		X	X				
Year End Fieldwork Performed by BPW			X	X			
Audit Trial Balance Provided to COMB					X		
Management Discussion & Analysis (MD&A) and CAFR Introductory and Statistical Section Prepared by COMB					X		
Draft CAFR Provided to COMB						X	
Presentation to COMB Administrative Committee							X
Presentation to COMB Board							X

Operations Division

- **ACWA/JPIA Annual Risk Assessment**

Lee Patton, Senior Risk Management Advisor with ACWA/JPIA, conducted the annual risk assessment for COMB during mid-August. The purpose of the annual risk assessment is to evaluate each safety program and communicate Cal OSHA regulation changes; evaluate losses to assure that corrective action has been identified and achieved, and identify trends that might point to training needs; conduct site visits or jobsite visits to identify physical hazards or work practice issues; and discuss safety training needs for specific areas where ACWA/JPIA can assist. The results of the annual risk assessment will be forthcoming in a letter from Mr. Patton.

- **USBR Reservoir Inspections**

Reclamation has conducted annual safety and security inspections for the South Coast regulating reservoirs. Per Reclamation's directive and standards, Reclamation performs the annual site inspections for each reservoir which consist of a general condition assessment on pertinent features of the dam using a checklist developed specifically for each dam. The content encompasses structural integrity, operational features, public safety, follow-up of past operation and maintenance, previous Safety of Dams (SOD) recommendations, and review of documentation related to exercising and testing of gates, valves, and auxiliary generators since the last inspection. These inspections are only required to be performed during the years when a Periodic Facility Review (PFR) or Comprehensive Facility Review (CFR) is not performed.

In addition, Reclamation performed an annual security equipment inspection which consists of ensuring all security equipment is operating properly. This inspection is normally conducted by the Area Office Security Coordinator (AOSC) as an oversight function but can be accomplished by others as directed by the Area Manager. These inspections will be documented and submitted for concurrence by the facility manager and area manager, who in turn, will ensure any issues affecting the operation or stability of the security systems are properly scheduled for mitigation. The date and findings of the security equipment inspection, as well as any corrective actions, must be reported within the area office's annual security report.

Fisheries Division

- **Hilton Creek Watering System**

Currently, Hilton Creek is receiving flow at the upper release point of the system through gravity flow provided by the Emergency Backup System. Reclamation is attempting to add a blow-off valve downstream of the dam to enable flushing of the existing system prior to operating gravity flow from the primary watering system located in the lake. In addition, Reclamation's goal is to sink the exposed pipeline located on the lake side of the dam. There has been no established deadline communicated to complete this activity.

Respectfully Submitted,

Janet Gingras
General Manager

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CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: August 26, 2019
TO: Janet Gingras, General Manager
FROM: Joel Degner, Water Resources Engineer
RE: **MONTHLY ENGINEERING/OPERATIONS 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

Water exports from Lake Cachuma in July continued to be lower than anticipated (approximately 30 percent). El Niño has transitioned to ENSO-neutral, which is most likely to continue through Northern Hemisphere winter 2019-20 (50-55% chance) according to the National Weather Service Climate Prediction Center. The antecedent moisture index at Gibraltar Dam is 11.9 indicating dry soil conditions.

LAKE CACHUMA CONVEYANCE OPERATIONS

As of August 14th, no downstream water rights releases are planned for the Santa Ynez River by Santa Ynez River Water Conservation District. COMB requested updated Member Agency projections for imports/exports from Lake Cachuma in August. Figure 1 provides a projection of lake elevations if dry year hydrology occurs in the winter of 2019-2020 and winter of 2020-21 and if SYRWCD performs a downstream release in 2020 and 2021.

Parameter	Optimistic	Realistic	Conservative
SCC Exports	80% Forecast	Forecast	120% of Forecast
CCWA Inflow	120% Forecast (resumes July 2020)	Forecast (resumes July 2020)	80% Forecast - resume at 719'
WR 89-18 Release	12,000 AF (2020), 8,000 AF (2021)	17,000 AF (2020), 10,000 AF (2021)	17,000 AF (2020), 12,000 AF (2021)

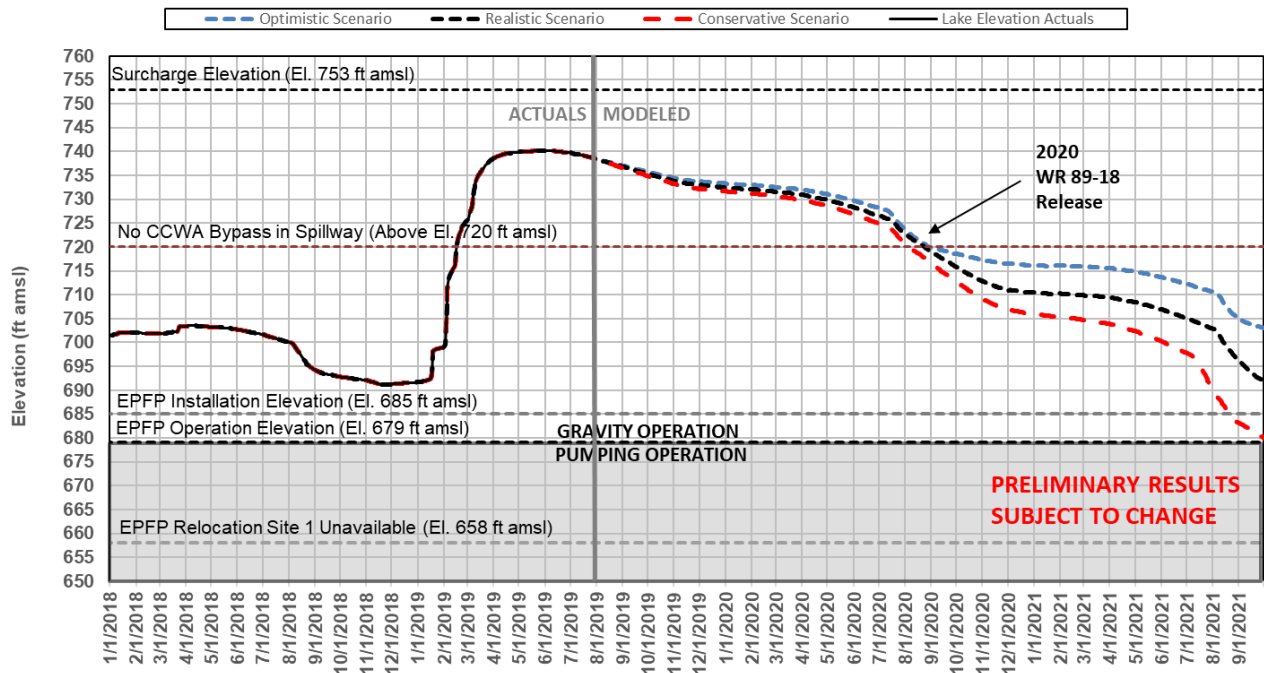


Figure 1. Lake Cachuma Elevation Forecast (as of 7/31/2019) using 2013 Dry Year Hydrology

Makai Ocean Engineering completed the feasibility study for Lake Cachuma Conveyance options. Makai also provided an additional analysis on gravity intake capacity on the secured pipeline. COMB staff applied for and was awarded \$750k for the Secured Pipeline Project through Reclamation's FY 2019 Drought Resiliency Program - WaterSMART Grants. COMB staff is coordinating with the Bureau of Reclamation on the environmental review process.

LAKE WATER QUALITY AND SEDIMENT MANAGEMENT STUDY

Additional nutrient and algal sampling is continuing to be conducted by COMB staff in the summer months to fill in data gaps in the existing sampling program with advisement from Woodard & Curran consultants. Woodward & Curran is proceeding with Phase 2 of the study which will focus on developing water quality and sediment management solutions and a water quality monitoring program. COMB purchased a new water quality sonde in 2019 with a new probe that measures the chlorophyll a and phycocyanin concentration and has started collecting the additional data at Lake Cachuma to inform the water quality study.

SYCAMORE CANYON SLOPE STABILIZATION PROJECT

Construction began on the Sycamore Slope Stabilization Project in July. The conduit was exposed in the February 2017 storms on the steep hill slope. The project will protect the conduit by improving the drainage and stabilizing the slope. Two of the three reinforced caisson walls were completed and work continues on the third wall. Work is expected to be completed by the end of September.

INFRASTRUCTURE IMPROVEMENT PLAN PROJECT STATUS

Table 1 provides a summary of the FY 2019-20 Infrastructure Improvement Projects. COMB staff presented the project descriptions and ranking criteria to Member Agency staff in early August and is preparing the preliminary draft of the plan.

Table 1. Infrastructure Improvement Projects Status

Infrastructure Improvement Projects	Status / Phase	Complexity / Challenges	Estimated Completion Date
Infrastructure Improvement Projects			
Sycamore Canyon Slope Stabilization+B8:115	Construction activities began in early July. Two of the three caisson reinforced walls have been installed. Work continues on the remaining west wall.	February 2017 storms exposed the South Coast Conduit on a steep slope in the Sycamore Canyon area. Project designed to stabilize slope and improve drainage to protect the SCC.	End of September 2019
San Jose Creek SCC Stream Protection Measures	Background data collected for site and alternative analysis completed. Conceptual design prepared	South Coast Conduit is exposed in San Jose Creek and requires stream protection measures to prevent damage and water supply disruption.	Draft design by August 2019 - Construction planned for Fall 2019
SCC Structure Rehabilitation (AVAR/BO)	Schedule D and E air vent and blowoff structures were reviewed by COMB staff. COMB staff is working with Schedule A/B/C contractor on quote for D/E based on previous bid.	Work in Montecito may require a line valve to facilitate shutdowns.	Schedule D and E planned for Winter 2019-2020.
SCC Line Valves for Shutdown	The isolation valve would be installed as part of the planned AVAR/BO work in the Montecito Area next winter. Draft engineering plans are nearing completion.	Additional line valves in the SCC could better facilitate planned maintenance activities.	Draft 90% Design by August 2019. Construction planned for Winter 2019-20.
SCC Structure Rehabilitation : Lower Reach Laterals	The engineering work assessing the condition and existing design of each lateral turnout is on-going. All lateral structures were surveyed and a hi resolution flight of the South Coast Conduit was conducted in collaboration with CVWD.	In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves may need replacement.	Construction planned for Spring 2019
Special Projects			
Emergency Pumping Facility Project	Key components barge are currently being stored under contract. Secured pipeline feasibility study completed in the end of June. Materials are being prepared for the environmental review process.	With the increase in lake levels, the lake elevation is projected to remain above 685 until the Summer/Fall 2021.	TBD
Lake Cachuma Water Quality and Sediment Management Study	Contractor is proceeded with Phase 2 of the study to develop solutions and a monitoring program. Supplemental sampling for algae and nutrients is on-going this summer.	Recent wildfires and subsequent storm events have resulted in decreased water quality and increased sedimentation into Lake Cachuma.	June 2020

MONTHLY REPORT OF OPERATIONS – JULY 2019

The total flow from Lake Cachuma into the Tecolote Tunnel for July was 1,703.7 acre-feet, for an average daily flow of 55 acre-feet. Lake elevation was 739.69 feet at the beginning of July and 738.47 feet at the end of July. Storage decreased by 3,234 acre-feet. CCWA wheeled 0 acre-feet of water to Cachuma Project facilities. The City of Santa Barbara wheeled 617 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was not operational in the month of July, due to issues with the intake pipeline. Water was delivered to Hilton Creek via dam outlet works through the emergency backup system, which prevents the delivery of CCWA water into the lake.

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

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

- Conducted eight flow changes at the North Portal during the month of July (2 gate chamber, 6 surface)
- Responded to 162 USA Dig alerts
- Reviewed four projects for right of way conflicts
- 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
- Read anodes and rectifier data

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

- Monitored the Sycamore Slope Stabilization Project. Two of the three reinforced caisson walls to support the hillslope and conduit have been completed. Work continues on the remaining west wall.
- Performed annual structure maintenance and completed 24 structures on the lower reach with five structures remaining on the lower reach

- In collaboration with Cater Treatment plant staff increased levels of storage in Ortega and Carpinteria reservoir in July as a precautionary measure during the initial drilling for the Sycamore Canyon Slope Stabilization project.
- Monitored Hotline for power pole replacement near the South Coast Conduit.
- Completed annual security review with the USBR staff
- Performed North Portal Portal Maintenance – greased jetflow valve, cleaned instrumentation, flushed 10” bypass line, flushed Venturi merter, back up generator run test
- Performed annual valve exercising at North Portal (jet flow valve, guard valve and 10” bypass line valve)
- Supplied backup power to Sheffield Control Station during power outage for pole replacement
- Performed Lauro generator run test
- Performed North Portal elevator maintenance with Otis Elevator
- Assisted with supplemental nutrient and algal samping for the Lake Cachuma Water Quality and Sediment Management Study.
- New operations crew member joined COMB
- Attended the PG&E Public Safety power shutoff webinar

Lower Reach Structure Maintenance



Repainting warning sign on structure 691+50



Cleared vegetation from structure 698+55

Sycamore Canyon Slope Stabilization Project



Middle wall reinforced caissons completed



Drilling hole for reinforced caisson with a core bucket

North Portal Valve Exercising



Exercising the 30" Guard Valve in the North Portal Gate Chamber

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CACHUMA OPERATION AND MAINTENANCE BOARD

BOARD MEMORANDUM

DATE: August 26, 2019
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- USBR continues to deliver approximately 2.9 cfs of Lake Cachuma water to Hilton Creek by gravity through the Hilton Creek Emergency Backup System (HCEBS) which is sustaining the *O. mykiss* population in the creek.
- USBR continues to work on the Hilton Creek Watering System (HCWS). Needed repairs to the system have been identified with no specific date determined to implement.

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

Lake Profiles: Lake Cachuma water quality measurements (temperature, dissolved oxygen concentration 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. The first survey at the end of the spring has been completed. The summer survey will start in September. The results are presented in the annual monitoring report.

Cachuma Lake Oak Tree Restoration Program: COMB staff, with guidance from a hired professional arborist, continues to implement the Program and has successfully conducted all management actions as required. A project update is provided in a separate Board memo.

Tributary Project Updates:

Quiota Creek Crossing 8: Funding for this project has been secured through a CDFW-FRGP grant that was submitted on 3/29/18 for \$1,010,700 with a \$50,000 construction match from COMB as approved by the COMB Board during the 2/26/18 Board meeting. COMB was awarded this grant on 12/5/18 and the Board accepted the grant by resolution on 1/28/19. Staff has submitted all permit applications and designs for review by the County and NMFS-CDFW. Project construction is tentatively scheduled for this fall pending final design approval and obtaining all necessary permits.

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 repair and improvement options for the HCWS. No on the ground headway has been made.

Currently USBR is delivering water to Hilton Creek through the HCEBS by gravity flow to the Upper Release Point.

Surcharge Water Accounting:

The following table summarizes the amount of surcharge water used to date from each of the three accounts plus project yield at the end of last month (Table 1). All numbers are from 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, and 8/6/18 – 9/12/18. 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)
Fish Passage Supplementation	3,200	3,307	-107
Adaptive Management	500	149	351
Fish Rearing***	5,484	5,484	0
Project Yield		17,257	
Total:	9,184	26,197	244
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 7/31/19.			
*** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts.			

Reporting / Outreach / Training:

Reporting: Staff continues to work on the Annual Monitoring Reports (the USBR report) and the Annual Monitoring Summaries (the COMB report) as well as any other BiOp compliance measure as 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 Garelo) – Design and reporting work for the Quiota Creek Crossing 8 Project.

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	August 26, 2019
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

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

RECOMMENDATION:

For Board information only.

SUMMARY:

Maintenance

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since January, 2019 to the present (1/1/19 – 8/26/19, Table 1). Labor and expenses for the entire fiscal year (July 2018 - June 2019) as well as water usage will be tracked separately and reported as necessary as recommended by the Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division seasonal employees to conduct the majority of oak tree work in the field. The 2015 Lakeshore Inventory was completed and reviewed by the Lake Cachuma Oak Tree Committee on 2/25/16, which set the mitigation number for the program. The 2017 Annual Inventory and Fiscal Year 2017-2018 Financial Report has been reviewed and approved by the Lake Cachuma Oak Tree Committee on 8/1/18 with suggested recommendations for the upcoming fiscal year. A Committee meeting will be scheduled shortly after the August Board meeting to review the annual inventory, financials, and recommendations for the year.

Table 1: Cachuma Oak Tree Program completed tasks since January, 2019.

	Jan 2019 ¹	Feb 2019 ¹	Mar 2019 ²	April 2019	May 2019	June 2019	July 2019	Aug 2019
Year 10 Oaks (2018-2019)	Planted			Irrigated Weeded		Irrigated Weeded	Irrigated Weeded	Irrigated Weeded
Year 9 Oaks (2016-2017)				Weeded Deer Cages	Irrigated Weeded	Irrigated Weeded	Irrigated Weeded	
Year 8 Oaks (2015-2016)				Weeded Deer Cages	Irrigated Weeded	Irrigated Weeded Mowed	Irrigated Weeded	Irrigated Weeded Deer Cages
Year 7 Oaks (2014-2015)					Irrigated Weeded	Irrigated Weeded Mowed	Irrigated Weeded	Irrigated Weeded Deer Cages
Year 6 Oaks (2010-2011)								
Year 5 Oaks (2009-2010)								
Year 4 Oaks (2008-2009)					Deer Cages			
Year 3 Oaks (2007-2008)					Deer Cages			
Year 2 Oaks (2006-2007)								
Year 1 Oaks (2005-2006)								

¹ Oak tree inventory (Year 1-9).

² Oak tree inventory (Year 10).

Staff continues to water the newer age classes of oak trees on a daily basis. In August, another round of irrigation and hand weeding has been completed on the Year 7, Year 8, and Year 10 trees at Bradbury Dam, the Santa Barbara County Park, and Storke Flat. Year 9 trees are being irrigated and weeded this week. Two irrigation teams are utilized whenever possible to cover more ground as quickly as possible throughout the dry season.

In addition to watering, crews have been removing or modifying deer cages from trees that have outgrown their tree tubes or cages and stockpiling used cages for later use (Exhibit 1). Additional mulch is being spread on the Year 9 trees at the Santa Barbara County Park and several loads of new mulch are expected to be delivered by the end of the month.

LIST OF EXHIBITS:

Current Oak Tree Program photos



Exhibit 1: Lake Cachuma Oak Tree Restoration Program showing (a) tree outgrowing tree tube, (b) tube removed and replaced with caging and shade cloth for rodent control, (c) cage being removed, and (d) stockpiling cage material for later use.

CACHUMA OPERATION AND MAINTENANCE BOARD
METERED USE REPORT FOR JULY 2019

LATERAL/ STATION	NAME	ACRE FEET METERED	LATERAL/ STATION	NAME	ACRE FEET METERED
CARPINTERIA WATER DISTRICT			GOLETA WATER DISTRICT		
Boundary Meter - East		308.65	18+62	G. WEST	141.55
Boundary Meter - West		(0.16)	78+00	Corona Del Mar FILTER Plant	828.04
			122+20	STOW RANCH	0.00
				Raytheon (SWP) (Warren Act Contract)	0.00
				Morehart (SWP) (Warren Act Contract)	0.00
				SWP CREDIT (Warren Act Contract)	0.00
			TOTAL		969.60
			MONTECITO WATER DISTRICT		
			260+79	BARKER PASS	63.67
			386+65	MWD YARD	86.69
			487+07	VALLEY CLUB	0.00
			499+65	E. VALLEY-ROMERO PUMP	45.18
			510+95	MWD PUMP (SWD)	14.58
			510+95	ORTEGA CONTROL	4.78
			526+43	ASEGRA RD	7.87
			555+80	CO. YARD	0.00
			583+00	LAMBERT RD	0.00
			599+27	TORO CANYON	1.91
				SWP CREDIT (Warren Act Contract)	0.00
			TOTAL		224.68
			CITY OF SANTA BARBARA		
			CATER	INFLOW	1350.81
			Gibraltar	PENSTOCK	(617.07)
			CATER	SO. FLOW	(722.89)
			Sheffield	SHEF.LIFT	149.82
				SWP (Warren Act)	0.00
				La Cumbre Mutual SWP (Warren Act)	0.00
			TOTAL		160.67
			SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1		
				COUNTY PARK, ETC	2.98
			TOTAL		2.98
			BREAKDOWN OF DELIVERIES BY TYPE:		
				STATE WATER DELIVERED TO LAKE	0.00
				STATE WATER TO SOUTH COAST (including from storage)	0.00
			METERED DIVERSION		1,666.41
SWP CREDIT (Warren Act Contract)		0.00			
TOTAL		308.50			
Note:	Meter reads were taken on: 7/31/2019				

WATER YEAR 18-19 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF JULY 2019 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT		
WATER PRODUCTION:	MONTH	WYTD
Cachuma Lake (Tec. Diversion)	1,667.9	9,766.6
Tecolote Tunnel Infiltration	85.4	810.7
Cachuma Lake (County Park)	3.0	17.7
Subtotal - Water Production	1,756.3	10,595.0
WATER DELIVERIES:		
State Water Diversion	0.0	5,033.8
Cachuma Diversion	1,666.4	5,483.6
Storage gain/(loss)	95.6	66.0
Subtotal - Water Deliveries	1,762.0	10,583.3
Total Water Production	1,756.3	10,595.0
Total Water Deliveries	1,762.0	10,583.3
Difference = Apparent Water Loss	(5.8)	11.7
% Apparent Water Loss	-0.33%	0.11%

SCC APPARENT WATER LOSS ALLOCATION (AWL) ⁽⁴⁾

	GWD	SB CITY	MWD	CVWD	TOTAL
CURRENT MONTH CHARGE / (ADJUSTMENT) ⁽³⁾					
M&I	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	0.0	0.0	0.0
Subtotal Cachuma Project	0.0	0.0	0.0	0.0	0.0
(+) State Water Project	0.0	0.0	0.0	0.0	0.0
Total Current Month	0.0	0.0	0.0	0.0	0.0
WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)					
M&I	(0.2)	(2.1)	0.0	0.0	(2.3)
Agriculture	(0.0)	0.0	0.0	0.0	(0.0)
Subtotal Cachuma Project	(0.3)	(2.1)	0.0	0.0	(2.3)
(+) State Water Project	0.7	3.3	1.3	(0.8)	4.5
Total AWL Charged (WYTD) ⁽³⁾	0.4	1.2	1.3	(0.8)	2.1
Total AWL Not Charged (WYTD) ⁽³⁾					9.5
Total AWL Incurred (WYTD)					11.6

CACHUMA PROJECT WATER CHARGE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
CURRENT MONTH						
Water Usage						
M&I	717.5	76.7	206.5	146.4	3.0	1,150.0
Agricultural	252.1	0.0	18.2	162.1	N/A	432.4
Subtotal Project Water Use	969.6	76.7	224.7	308.5	3.0	1,582.4
(+) Apparent Water Loss	0.0	0.0	0.0	0.0	N/A	0.0
(+) Evaporative Loss ⁽⁴⁾	6.3	77.9	19.7	3.7	0.3	107.9
Total Project Water Charge	975.9	154.6	244.4	312.2	3.2	1,690.3
WATER YEAR-TO-DATE						
Water Usage						
M&I	2,784.5	481.5	225.0	538.5	17.7	4,047.2
Agricultural	779.8	0.0	20.1	552.0	N/A	1,352.0
Subtotal Project Water Use	3,564.4	481.5	245.1	1,090.5	17.7	5,399.2
(+) Apparent Water Loss	(0.3)	(2.1)	0.0	0.0	N/A	(2.3)
(+) Evaporative Loss ⁽⁴⁾	181.4	513.1	135.6	70.9	2.3	903.3
Total Project Water Charge (*)	3,745.4	992.6	380.7	1,161.4	20.1	6,300.2

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

WATER YEAR 18-19 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF JULY 2019 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

CACHUMA PROJECT WATER BALANCE

	GWD	SB CITY	MWD	CVWD	SYRID #1	TOTAL
Project Water Carryover - 10/1/2018	3,771.3	7,264.2	1,864.1	1,305.2	40.4	14,245.2
Transfers/Adjustment	0.0	0.0	0.0	0.0	0.0	0.0
(-) Project Water Charge (WYTD)	3,745.4	992.6	380.7	1,161.4	20.1	6,300.2
Balance Carryover Water	25.9	6,271.6	1,483.4	143.8	20.3	7,945.0
Current Year Allocation ⁽⁵⁾	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
(-) Balance of Project Water Charge (WYTD)	0.0	0.0	0.0	0.0	0.0	0.0
Net Allocation Available Before Adjustments	9,322.0	8,277.0	2,651.0	2,813.0	2,651.0	25,714.0
Adjustments to Net Allocation (WYTD)						
Carryover Balances Spilled	0.0	0.0	0.0	0.0	0.0	0.0
Surplus	0.0	0.0	0.0	0.0	0.0	0.0
State Water Exchange ⁽⁶⁾	438.0	292.0	291.0	195.0	(1,216.0)	0.0
Transfers/Adjustment ^{(7),(8)}	100.0	(255.6)	0.0	0.0	0.0	(155.6)
Transfers/Adjustment ⁽¹⁰⁾	0.0	(82.0)	0.0	0.0	0.0	(82.0)
Balance Current Year Allocation	9,860.0	8,231.4	2,942.0	3,008.0	1,435.0	25,476.4
Total Cachuma Project Water Available	9,885.9	14,503.0	4,425.4	3,151.8	1,455.3	33,421.4

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, 20% initial allocation to Member Agencies, effective 10/1/18. In March 2019, USBR increased the allocation to 100% (25,714 acre feet) available water supply for the remaining contract year which ends on September 30, 2019.
- (6) Per SWP Exchange Agrmt GWD received 181 AF; City of SB received 121 AF; MWD received 121 AF and CVWD received 81 AF from ID#1 in July 2019.
- (7) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF) - April 2019
- (8) Transfer per Santa Ynez Exchange Agreement with City of SB and La Cumbre Mutual Water Agency (98.62 AF) in July 2019.
- (9) Memo only - State Water Deliveries to Lake Cachuma for July 2019 was zero.
- (10) Adjustment to the City of Santa Barbara for April (39 AF) and May (43 AF) La Cumbre Exchange, credit given in error - June 2019

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **JULY 2019**

GLEN ANNIE RESERVOIR ⁽¹⁾

Capacity at 385' elevation:	335	AF
Capacity at sill of intake at 334' elevation:	21	AF
Stage of Reservoir Elevation	335.00	Feet
Water in Storage	26.79	AF

LAURO RESERVOIR

Capacity at 549' elevation:	503	AF
Capacity at top of intake screen, 520' elevation:	106.05	AF
Stage of Reservoir Elevation	546.20	Feet
Water in Storage	449.11	AF

ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF
Capacity at outlet at elevation 440':	0	AF
Stage of Reservoir Elevation	454.40	Feet
Water in Storage	44.78	AF

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF
Capacity at outlet elevation 362':	0	AF
Stage of Reservoir Elevation	377.10	Feet
Water in Storage	28.18	AF

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

Change in Storage	522.08	AF
	98.98	AF

CACHUMA RESERVOIR

Capacity at 750' elevation:	184,121	AF
Capacity at sill of tunnel 660' elevation:	24,281	AF
Stage of Reservoir Elevation	738.47	Feet
Water in Storage	151,727	AF
Surface Area	2,606	
Evaporation	1,575.0	AF
Inflow	471.9	AF
Downstream Release WR8918	0.0	AF
Fish Release (Hilton Creek)	185.2	AF
Outlet	239.1	AF
Spill/Seismic Release	0	AF
State Water Project Water	0	AF
Change in Storage	-3,234	AF
Tecolote Diversion	1,703.7	AF

Rainfall:	Month:	0.00	Season:	23.78	Percent of Normal:	120%
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(1) The Glen Annie Reservoir is currently offline and is excluded from the Total Storage in Reservoirs amount.

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

Contract Year: 10/1/18 to: 9/30/19

Contract Entity: **Goleta Water District**
 Last updated by C.O.M.B. 07/31/19

Month	CARRYOVER WATER		WATER USE CHARGED						WATER USE CHARGED			
	Carryover Balance Prior Yr	Approved Allocation Curr Yr	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	3,771.3	1,864.0	276.5	78.0	354.5	44.7	354.5	399.2	311.4	87.8	0.0	0.0
Nov			293.6	87.7	381.4	29.7	381.4	411.1	316.5	94.5	0.0	0.0
Dec			0.0	12.4	12.4	13.6	12.4	26.0	0.0	26.0	0.0	0.0
Jan			0.0	9.8	9.8	11.7	9.8	21.5	0.0	21.5	0.0	0.0
Feb			0.0	3.8	3.8	8.2	3.8	12.1	0.0	12.1	0.0	0.0
Mar		7,458.0	0.0	6.2	6.2	14.8	6.2	21.0	0.0	21.0	0.0	0.0
Apr			379.5	56.7	436.2	20.0	436.2	456.3	397.0	59.3	0.0	0.0
May			405.8	95.2	501.0	17.4	501.0	518.3	419.8	98.5	0.0	0.0
Jun			711.3	177.8	889.1	14.9	889.1	904.0	723.2	180.8	0.0	0.0
Jul			717.5	252.1	969.6	6.3	969.6	975.9	722.2	253.7	0.0	0.0
Aug			-	-	-	-	-	-	-	-	-	-
Sep			-	-	-	-	-	-	-	-	-	-
Total	3,771.3	9,322.0	2,784.3	779.8	3,564.1	181.4	3,564.1	3,745.4	2,890.1	855.3	0.0	0.0

Month	CONVERSIONS (M&I AND AG SPLIT)			
	CARRYOVER WATER		CURR YR ALLOCATION	
	M & I	Agr	M & I	Agr
Oct	-	-	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	-	-	-	-
Jun	-	-	-	-
Jul	371.7	(371.7)	-	-
Aug	-	-	-	-
Sep	-	-	-	-

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	3,771.3	2,518.4	1,252.9	1,254.0	610.0	1,864.0
Mid-Year Allocation				5,017.3	2,440.7	7,458.0
Bishop Ranch Exch (+100AF) + ID# 1 Exch (+59AF)				135.5	23.5	159.0
ID# 1 Exch (+64AF)				36.5	27.5	64.0
ID# 1 Exch (+134AF)				64.3	69.7	134.0
ID# 1 Exch (+181AF)				65.7	115.3	181.0
Aug						-
Sep						-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	3,372.1	2,207.0	1,165.1	1,254.0	610.0	1,864.0
Nov	2,961.0	1,890.5	1,070.5	1,254.0	610.0	1,864.0
Dec	2,935.0	1,890.5	1,044.5	1,254.0	610.0	1,864.0
Jan	2,913.4	1,890.5	1,023.0	1,254.0	610.0	1,864.0
Feb	2,901.3	1,890.5	1,010.9	1,254.0	610.0	1,864.0
Mar	2,880.4	1,890.5	989.9	6,271.3	3,050.7	9,322.0
Apr	2,424.1	1,493.5	930.6	6,406.8	3,074.2	9,481.0
May	1,905.8	1,073.6	832.1	6,443.3	3,101.7	9,545.0
Jun	1,001.8	350.4	651.3	6,507.6	3,171.4	9,679.0
Jul	25.9	-	25.9	6,573.3	3,286.7	9,860.0
Aug						
Sep						

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **9,885.9**

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

Contract Year: 10/1/18 to: 9/30/19

Contract Entity: **City of Santa Barbara**
 Last updated by **C.O.M.B. 07/31/19**

CARRYOVER WATER				CURRENT YEAR ALLOCATION			
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Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED			WATER USE CHARGED			WATER USE CHARGED				
			Acre-feet			Evap	Used	Total	Allocation		Allocation		Total
			M & I	Agr	Total				M & I	----	M & I	----	
Oct	7,264.2	1,655.5	93.3	0.0	93.3	89.8	93.3	183.1	0.0	183.1	0.0	0.0	0.0
Nov			235.3	0.0	235.3	65.1	235.3	300.4	0.0	300.4	0.0	0.0	0.0
Dec			0.0	0.0	0.0	31.2	0.0	31.2	0.0	31.2	0.0	0.0	0.0
Jan			0.0	0.0	0.0	27.0	0.0	27.0	0.0	27.0	0.0	0.0	0.0
Feb			0.0	0.0	0.0	19.0	0.0	19.0	0.0	19.0	0.0	0.0	0.0
Mar		6,621.5	0.0	0.0	0.0	34.1	0.0	34.1	0.0	34.1	0.0	0.0	0.0
Apr			26.5	0.0	26.5	50.1	26.5	76.6	0.0	76.6	0.0	0.0	0.0
May			12.2	0.0	12.2	52.6	12.2	64.8	0.0	64.8	0.0	0.0	0.0
Jun			35.5	0.0	35.5	66.2	35.5	101.7	0.0	101.7	0.0	0.0	0.0
Jul			76.7	0.0	76.7	77.9	76.7	154.6	0.0	154.6	0.0	0.0	0.0
Aug			-	-	-	-	-	-	-	-	-	-	-
Sep			-	-	-	-	-	-	-	-	-	-	-
Total	7,264.2	8,277.0	479.4	-	479.4	513.1	479.4	992.6	-	992.6	-	-	-

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

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	----	M & I	----	
Begin Bal	7,264.2	7,264.2	-	1,655.5	-	1,655.5
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	Mid-Year Allocation	-	-	6,621.5	-	6,621.5
Apr	LCMWD Trsfr (-39AF) + ID# 1 Exch (+39AF)	-	-	-	-	-
May	LCMWD Trsfr (-43AF) + ID# 1 Exch (+43AF)	-	-	-	-	-
Jun	LCMWD Trsfr (-75AF) + ID# 1 Exch (+89AF) + Apr/May corr. (-82 AF)	-	-	(68.0)	-	(68.0)
Jul	LCMWD Trsfr (-98.62AF) + ID# 1 Exch (+121AF)	-	-	22.4	-	22.4
Aug		-	-	-	-	-
Sep		-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
	Total	Allocation		Allocation		Total
		M & I	----	M & I	----	
Oct	7,081.1	7,081.1	-	1,655.5	-	1,655.5
Nov	6,780.7	6,780.7	-	1,655.5	-	1,655.5
Dec	6,749.5	6,749.5	-	1,655.5	-	1,655.5
Jan	6,722.5	6,722.5	-	1,655.5	-	1,655.5
Feb	6,703.4	6,703.4	-	1,655.5	-	1,655.5
Mar	6,669.3	6,669.3	-	8,277.0	-	8,277.0
Apr	6,592.7	6,592.7	-	8,277.0	-	8,277.0
May	6,527.9	6,527.9	-	8,277.0	-	8,277.0
Jun	6,426.2	6,426.2	-	8,209.0	-	8,209.0
Jul	6,271.6	6,271.6	-	8,231.4	-	8,231.4
Aug						
Sep						

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 14,503.0

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

Contract Year: 10/1/18 to: 9/30/19

Contract Entity: **Carpinteria Valley Water District**
 Last updated by C.O.M.B. 07/31/19

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	1,305.2	563.0
Nov		
Dec		
Jan		
Feb		
Mar		2,250.0
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	1,305.2	2,813.0

TOTAL WATER CHARGED			WATER USE CHARGED			WATER USE CHARGED				
Acre-feet						Allocation				
M & I	Agr	Total	Evap	Used	Total	M & I	Agr	M & I	Agr	Total
0.0	0.0	0.0	16.2	0.0	16.2	7.4	8.8	0.0	0.0	0.0
0.0	0.0	0.0	12.0	0.0	12.0	5.5	6.5	0.0	0.0	0.0
0.0	0.0	0.0	5.9	0.0	5.9	2.7	3.2	0.0	0.0	0.0
0.0	0.0	0.0	5.1	0.0	5.1	2.3	2.8	0.0	0.0	0.0
0.0	0.0	0.0	3.6	0.0	3.6	1.6	1.9	0.0	0.0	0.0
0.0	0.0	0.0	2.4	0.0	2.4	1.1	1.3	0.0	0.0	0.0
107.6	120.2	227.8	8.6	227.8	236.5	111.7	124.8	0.0	0.0	0.0
134.3	130.1	264.4	7.1	264.4	271.5	137.9	133.6	0.0	0.0	0.0
150.1	139.7	289.8	6.2	289.8	296.0	153.3	142.6	0.0	0.0	0.0
146.4	162.1	308.5	3.7	308.5	312.2	148.2	164.0	0.0	0.0	0.0
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
538.5	552.0	1,090.5	70.9	1,090.5	1,161.4	571.8	589.5	-	-	-

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

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	1,305.2	597.3	707.9	258.5	304.5	563.0
Oct						-
Nov						-
Dec						-
Jan						-
Feb						-
Mar				1,033.1	1,216.9	2,250.0
Apr				15.6	10.4	26.0
May				16.0	12.0	28.0
Jun				28.8	31.2	60.0
Jul				29.4	51.6	81.0
Aug						-
Sep						-

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
Month	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Oct	1,289.0	589.9	699.1	258.5	304.5	563.0
Nov	1,276.9	584.4	692.6	258.5	304.5	563.0
Dec	1,271.0	581.7	689.4	258.5	304.5	563.0
Jan	1,265.9	579.3	686.6	258.5	304.5	563.0
Feb	1,262.4	577.7	684.7	258.5	304.5	563.0
Mar	1,259.9	576.6	683.4	1,291.6	1,521.4	2,813.0
Apr	1,023.5	464.9	558.6	1,307.2	1,531.8	2,839.0
May	752.0	327.0	425.0	1,323.2	1,543.8	2,867.0
Jun	456.0	173.7	282.4	1,352.0	1,575.0	2,927.0
Jul	143.8	25.5	118.4	1,381.4	1,626.6	3,008.0
Aug						
Sep						

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **3,151.8**

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

Contract Year: 10/1/18 to: 9/30/19

Contract Entity: **Montecito Water District**
 Last updated by C.O.M.B. 07/31/19

Month	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	1,864.1	530.0
Nov		
Dec		
Jan		
Feb		
Mar		2,121.0
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	1,864.1	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
0.0	0.0	0.0	23.2	0.0	23.20	18.3	4.9	0.0
0.0	0.0	0.0	17.2	0.0	17.2	13.6	3.6	0.0
0.0	0.0	0.0	8.4	0.0	8.4	6.6	1.8	0.0
0.0	0.0	0.0	7.3	0.0	7.3	5.7	1.5	0.0
0.0	0.0	0.0	5.1	0.0	5.1	4.0	1.1	0.0
0.0	0.0	0.0	9.2	0.0	9.2	7.3	1.9	0.0
0.0	0.0	0.0	13.5	0.0	13.5	10.7	2.8	0.0
0.0	0.0	0.0	14.2	0.0	14.2	11.2	3.0	0.0
18.5	1.9	20.4	17.9	20.4	38.3	34.7	3.6	0.0
206.5	18.2	224.7	19.7	224.7	244.4	224.6	19.7	0.0
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
225.0	20.1	245.1	135.6	245.1	380.7	336.8	43.8	-

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

SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
Allocation			Allocation		
Total	M & I	Agr	M & I	Agr	Total
Begin Bal	1,473.0	391.1	493.0	37.0	530.0
Oct					-
Nov					-
Dec					-
Jan					-
Feb					-
Mar			1,972.9	148.1	2,121.0
Apr			23.4	15.6	39.0
May			24.0	18.0	42.0
Jun			42.7	46.3	89.0
Jul			43.9	77.1	121.0
Aug					-
Sep					-

BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC		
Allocation			Allocation		
Total	M & I	Agr	M & I	Agr	Total
1,840.9	1,454.7	386.2	493.0	37.0	530.0
1,823.7	1,441.1	382.6	493.0	37.0	530.0
1,815.3	1,434.4	380.9	493.0	37.0	530.0
1,808.0	1,428.7	379.3	493.0	37.0	530.0
1,802.9	1,424.7	378.3	493.0	37.0	530.0
1,793.7	1,417.4	376.3	2,465.9	185.1	2,651.0
1,780.2	1,406.7	373.5	2,489.4	200.6	2,690.0
1,766.0	1,395.5	370.5	2,513.3	218.7	2,732.0
1,727.7	1,360.8	367.0	2,556.1	264.9	2,821.0
1,483.4	1,136.2	347.3	2,600.0	342.0	2,942.0

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **4,425.4**

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

Contract Year: 10/1/18 to: 9/30/19

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**
 Last updated by C.O.M.B. 07/31/19

CARRYOVER WATER	CURRENT YEAR ALLOCATION
------------------------	--------------------------------

	Carryover Balance Prior Yr	Approved Allocation Curr Yr
Oct	40.4	530.0
Nov		
Dec		
Jan		
Feb		
Mar		2,121.0
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Total	40.4	2,651.0

	TOTAL WATER USED			WATER USE CHARGED					WATER USE CHARGED			
		M & I	Agr	Total	Evap	Used	Total	Allocation		Allocation		Total
								M & I	Agr	M & I	Agr	
Oct		2.3	0.0	2.3	0.5	2.3	2.8	2.8	0.0	0.0	0.0	0.0
Nov		2.0	0.0	2.0	0.3	2.0	2.3	2.3	0.0	0.0	0.0	0.0
Dec		1.3	0.0	1.3	0.2	1.3	1.5	1.5	0.0	0.0	0.0	0.0
Jan		0.9	0.0	0.9	0.1	0.9	1.0	1.0	0.0	0.0	0.0	0.0
Feb		1.5	0.0	1.5	0.1	1.5	1.6	1.6	0.0	0.0	0.0	0.0
Mar		0.9	0.0	0.9	0.2	0.9	1.1	1.1	0.0	0.0	0.0	0.0
Apr		1.9	0.0	1.9	0.2	1.9	2.1	2.1	0.0	0.0	0.0	0.0
May		1.9	0.0	1.9	0.2	1.9	2.1	2.1	0.0	0.0	0.0	0.0
Jun		2.1	0.0	2.1	0.3	2.1	2.4	2.4	0.0	0.0	0.0	0.0
Jul		3.0	0.0	3.0	0.3	3.0	3.2	3.2	0.0	0.0	0.0	0.0
Aug		-	-	-	-	-	-	-	-	-	-	-
Sep		-	-	-	-	-	-	-	-	-	-	-
Total		17.7	0.0	17.7	2.3	17.7	20.1	20.1	0.0	0.0	0.0	0.0

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

	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS			
		Total	Allocation		Allocation		Total
			M & I	Agr	M & I	Agr	
Begin Bal	40.4	40.4	-	175.0	355.0	530.0	
Oct				-	-	-	
Nov				-	-	-	
Dec				-	-	-	
Jan				-	-	-	
Feb				-	-	-	
Mar	Mid-Year Allocation			700.3	1,420.7	2,121.0	
Apr	ID #1 Exchange (-163AF)			(98.0)	(65.0)	(163.0)	
May	ID #1 Exchange (-177AF)			(101.0)	(76.0)	(177.0)	
Jun	ID #1 Exchange (-372AF)			(178.6)	(193.4)	(372.0)	
Jul	ID #1 Exchange (-504AF)			(183.0)	(321.0)	(504.0)	
Aug				-	-	-	
Sep				-	-	-	

*NOTE:

	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
		Total	Allocation		Allocation		Total
			M & I	Agr	M & I	Agr	
County Parks Usage (AF)							
Oct	2.3	37.6	37.6	-	175.0	355.0	530.0
Nov	2.0	35.3	35.3	-	175.0	355.0	530.0
Dec	1.3	33.8	33.8	-	175.0	355.0	530.0
Jan	0.9	32.8	32.8	-	175.0	355.0	530.0
Feb	1.5	31.2	31.2	-	175.0	355.0	530.0
Mar	0.9	30.1	30.1	-	875.3	1,775.7	2,651.0
Apr	1.9	28.1	28.1	-	777.3	1,710.7	2,488.0
May	1.9	26.0	26.0	-	676.3	1,634.7	2,311.0
Jun	2.1	23.6	23.6	-	497.7	1,441.3	1,939.0
Jul	3.0	20.3	20.3	-	314.7	1,120.3	1,435.0
Aug	-						
Sep	-						

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 1,455.3

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

Contract Year: 10/1/18 to: 9/30/19

Contract Entity: **Santa Barbara Co. Water Agency**
 Last updated by C.O.M.B. 07/31/19

Month	CARRYOVER WATER		CURRENT YEAR ALLOCATION											
	Carryover Balance Prior Yr	Approved Allocation Curr Yr	TOTAL WATER USED				WATER USE CHARGED					WATER USE CHARGED		
			Use %	M & I	Agr	Total	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	14,245.2	5,142.5	0.0	372.1	78.0	450.1	174.5	450.1	624.5	523.0	101.5	0.0	0.0	0.0
Nov			0.0	530.9	87.7	618.7	124.4	618.7	743.0	638.3	104.7	0.0	0.0	0.0
Dec			0.0	1.3	12.4	13.7	59.3	13.7	73.0	42.0	31.0	0.0	0.0	0.0
Jan			0.0	0.9	9.8	10.6	51.3	10.6	61.9	36.1	25.8	0.0	0.0	0.0
Feb			0.0	1.5	3.8	5.4	36.1	5.4	41.4	26.3	15.1	0.0	0.0	0.0
Mar		20,571.5	0.0	0.9	6.2	7.2	60.6	7.2	67.8	43.6	24.2	0.0	0.0	0.0
Apr			0.0	515.5	176.9	692.4	92.5	692.4	784.9	598.0	186.9	0.0	0.0	0.0
May			0.0	554.2	225.3	779.5	91.5	779.5	870.9	635.9	235.0	0.0	0.0	0.0
Jun			0.1	917.6	319.4	1,236.9	105.3	1,236.9	1,342.3	1,015.3	327.0	0.0	0.0	0.0
Jul			0.1	1,150.0	432.4	1,582.4	107.9	1,582.4	1,690.3	1,252.8	437.4	0.0	0.0	0.0
Aug			-	-	-	-	-	-	-	-	-	-	-	-
Sep			-	-	-	-	-	-	-	-	-	-	-	-
Total	14,245.2	25,714.0	0.3	4,044.9	1,351.9	5,396.8	903.3	5,396.8	6,300.2	4,811.4	1,488.7	0.0	0.0	0.0

Month	CONVERSIONS (M&I AND AG)			
	CARRYOVER WATER		CURR YR ALLOCATION	
	M & I	Agr	M & I	Agr
Oct	-	-	-	-
Nov	-	-	-	-
Dec	-	-	-	-
Jan	-	-	-	-
Feb	-	-	-	-
Mar	-	-	-	-
Apr	-	-	-	-
May	-	-	-	-
Jun	-	-	-	-
Jul	371.7	(371.7)	-	-
Aug	-	-	-	-
Sep	-	-	-	-

Month	SCHEDULE AND REVISIONS			SCHEDULE AND REVISIONS		
	Total	Allocation		Allocation		Total
		M & I	Agr	M & I	Agr	
Begin Bal	14,245.2	11,893.3	2,351.9	3,836.0	1,306.5	5,142.5
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	Mid-Year Allocation	-	-	15,345.1	5,226.4	20,571.5
Apr	-	-	-	76.6	(15.6)	61.0
May	-	-	-	(24.5)	(18.5)	(43.00)
Jun	-	-	-	(110.7)	(46.3)	(157.0)
Jul	-	-	-	(21.6)	(77.1)	(98.6)
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-

Month	BALANCE - CARRYOVER WATER			BALANCE - CURR YR ALLOC			
	County Parks Usage (AF)	Allocation		Allocation		Total	
		M & I	Agr	M & I	Agr		
Oct	2.3	13,620.7	11,370.3	2,250.4	3,836.0	1,306.5	5,142.5
Nov	2.0	12,877.6	10,731.9	2,145.7	3,836.0	1,306.5	5,142.5
Dec	1.3	12,804.6	10,689.9	2,114.7	3,836.0	1,306.5	5,142.5
Jan	0.9	12,742.7	10,653.8	2,088.9	3,836.0	1,306.5	5,142.5
Feb	1.5	12,701.3	10,627.4	2,073.8	3,836.0	1,306.5	5,142.5
Mar	0.9	12,633.5	10,583.9	2,049.6	19,181.1	6,532.9	25,714.0
Apr	1.9	11,848.5	9,985.9	1,862.7	19,257.7	6,517.3	25,775.0
May	1.9	10,977.6	9,350.0	1,627.6	19,233.2	6,498.8	25,732.0
Jun	2.1	9,635.3	8,334.7	1,300.6	19,122.4	6,452.6	25,575.0
Jul	3.0	7,945.0	7,453.7	491.5	19,100.9	6,375.5	25,476.4
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 33,421.4

CACHUMA DAILY OPERATIONS

Month & Year: August 2019
 Time of Observations: 0830 Evaporation Pan Factor: 81%

Day	Beginning Storage: 151,727			Surface Area	Rainfall		Evaporation		CCWA Inflow	Releases					Computed Inflow	
	Elevation	Storage	Change		inches	acre-feet	inches	acre-feet		Park Diversion	South Coast	Hilton Creek	WR 89-18	Outlet		Spillway
	ft	acre-feet	acre-feet	acres	inches	acre-feet	inches	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
1	738.42	151,598	(129)	2,605	-		0.260	45.7	-		56.5	6.0		7.6		(13.2)
2	738.38	151,494	(104)	2,604	-		0.460	80.8	-		59.0	6.0		7.8		49.6
3	738.34	151,390	(104)	2,602	-		0.290	50.9	-		47.2	6.0		7.7		7.9
4	738.30	151,286	(104)	2,601	-		0.220	38.6	-		47.3	6.0		7.6		(4.5)
5	738.26	151,182	(104)	2,600	-		0.310	54.4	-		46.6	6.0		7.7		10.7
6	738.22	151,078	(104)	2,599	-		0.230	40.3	-		47.7	6.0		7.7		(2.3)
7	738.17	150,948	(130)	2,597	-		0.350	61.4	-		47.5	6.0		7.7		(7.4)
8	738.13	150,844	(104)	2,596	-		0.230	40.3	-		58.0	6.0		7.7		8.0
9	738.08	150,689	(155)	2,594	-		0.260	45.5	-		63.1	6.0		7.8		(32.6)
10	738.03	150,585	(104)	2,593	-		0.270	47.3	-		64.6	6.0		7.7		21.5
11	737.99	150,481	(104)	2,591	-		0.240	42.0	-		64.4	5.9		7.6		15.9
12	737.94	150,351	(130)	2,590	-		0.280	48.9	-		60.6	6.0		7.8		(6.7)
13	737.90	150,247	(104)	2,589	-		0.360	62.9	-		62.9	5.9		7.7		35.4
14	737.86	150,143	(104)	2,587	-		0.310	54.1	-		63.6	5.9		7.7		27.3
15	737.81	150,013	(130)	2,586	-		0.230	40.1	-		63.2	5.9		7.8		(13.0)
16	737.77	149,909	(104)	2,584	-		0.500	87.2	-		53.8	5.8		6.9		49.7
17	737.73	149,806	(103)	2,583	-		0.180	31.4	-		52.0	5.8		7.8		(6.0)
18	737.69	149,702	(104)	2,582	-		0.330	57.5	-		50.2	5.8		7.8		17.3
19	737.64	149,572	(130)	2,580	-		0.180	31.4	-		50.0	5.7		7.9		(35.0)
20	737.60	149,469	(103)	2,579	-		0.250	43.5	-		78.8	5.7		6.9		31.9
21	737.55	149,340	(129)	2,577	-		0.220	38.3	-		81.2	5.6		7.9		4.0
22																
23																
24																
25																
26																
27																
28																
29																
30																
31																

TOTALS		(2,387)		-	-	5.960	1,042.7	-	-	-	1,218.2	123.9	-	160.8	-	158.6
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Park Usage Rain % Yr. Total



**Santa Barbara County Parks Division,
Cachuma Lake Recreation Area**



**Summary of Aquatic Invasive Species Vessel Inspection Program
and Early Detection Monitoring Program: JULY 2019**

Cachuma Lake Recreation Area Launch Data -- July 2019		
Inspection Data		
Total Vessels entering Park	475	
Total Vessels launched	462	
Total Vessels Quarantined	13	
Returning with Boat Launch Tag	275	60%
New: Removed from Quarantine		
Kayak/Canoe: Inspected, launched	187	40%
4-stroke Engines		
2-strokes, w/CARB star ratings		
2-strokes, NO emissions ratings		
Quarantine Data		
Total Vessels Quarantined	13	
Quarantined 7 days	*	
Quarantined 14 days	*	
Quarantined 30 days	13	
Quarantine Cause		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	3	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	13	
Demographic Data		
Quarantined from infected county	3	
Quarantined from SB County	9	
Quarantined from uninfected co	1	

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

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

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

Summary: No Dreissenid mussels were detected
 Inspection Site: Cachuma Lake, Santa Barbara County, California
 Inspection Date and Time: 2019.07.24; 9:00 a.m. to 11:00 a.m. PDT
 Method: 4 PVC/Cement Sampling Stations; 56 linear feet of line
 Surveyors: SBCO Parks Employees
 Lake elevation: Max feet: 753.00, current 738.86; Max acre-feet: 193,305, current: 152,749;
 Current capacity: 79.0%