

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

Monday, June 25, 2018

2:00 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 May 21, 2018 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
- 4. VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Administrative Committee Meeting – May 23, 2018
 - Operations Committee Meeting – June 20, 2018
- 5. FISCAL YEAR 2018-19 ELECTIONS AND APPOINTMENTS OF CACHUMA OPERATION AND MAINTENANCE BOARD**
Action: Elections for President and Vice-President by nomination and roll call vote of the Board:
 - a. Election of President
 - b. Election of Vice-PresidentAction: Appointment by motion and roll call vote of the Board for each appointment:
 - c. Appointment of ACWA/JPIA Representative and Alternate
 - d. Appointment of General Counsel
 - e. Appointment of Secretary of the Board
 - f. Appointment of Treasurer and Auditor-Controller

6. **RESOLUTION NO. 663 - COMB PROPOSED FISCAL YEAR 2018-19 OPERATING BUDGET**
Action: For discussion and possible action by motion and roll call vote of the Board
7. **CACHUMA CONVEYANCE OPERATIONS – FY 2018-19**
Action: Recommend approval by motion and roll call vote of the Board
8. **SYCAMORE CANYON SLOPE STABILIZATION PROJECT**
Action: Recommend approval by motion and roll call vote of the Board
9. **SCOPES OF WORK - FISHERIES DIVISION PROFESSIONAL CONSULTING SERVICES FOR FISCAL YEAR 2018-19**
Action: Receive Scopes of Work and authorize execution of the corresponding Professional Services Agreements 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:
 - Meetings
 - Administration
 - Operations / Engineer Activities
11. **WATER RESOURCES ENGINEER REPORT**
Receive information from the Water Resources Engineer, including but not limited to the following:
 - Climate Conditions
 - Lake Cachuma Evaporation Update
 - Grant Funding Activities
 - Infrastructure Improvement Planning
12. **OPERATIONS DIVISION REPORT**
Receive information regarding Operations Division, including but not limited to the following:
 - Lake Cachuma Operations
 - Operation and Maintenance Activities
13. **FISHERIES DIVISION REPORT**
Receive information regarding Fisheries Division, including but not limited to the following:
 - LSYR Steelhead Monitoring Elements
 - Tributary Project Updates
 - Surcharge Water Accounting
 - Reporting/Outreach/Training
14. **PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**
Receive information regarding the Lake Cachuma Oak Tree Program including but not limited to the following:
 - Maintenance and Monitoring

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

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

17. **[CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: EXISTING AND POTENTIAL LITIGATION**
 - a. [Government Code Section 54956.9(d)(4)]
Name of matter: Protest of Member Agency re: Payment of Quarterly Assessments

18. **[CLOSED SESSION]: CONFERENCE WITH LABOR NEGOTIATORS**
 - a. [Government Code Section 54957.6(a)]
Agency designated representatives: Board President
Unrepresented Employee: General Manager

19. **RECONVENE INTO OPEN SESSION**
[Government Code Section 54957.7]
Disclosure of actions taken in closed session, as applicable
[Government Code Section 54957.1]

17a. Protest of Member Agency re: Payment of Quarterly Assessments
18a. Conference with Labor Negotiators

20. **MEETING SCHEDULE**
 - **July 23, 2018 at 2:00 PM, COMB Office**
 - **Board Packages available on COMB website www.cachuma-board.org**

21. **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.

MINUTES OF A REGULAR MEETING
of the
CACHUMA OPERATION AND MAINTENANCE BOARD
held at
3301 Laurel Canyon Road, Santa Barbara, CA
Monday, May 21, 2018

1. Call to Order, Roll Call

The meeting was called to order at 2:00 PM by President Morgan who chaired the meeting. Those in attendance were:

Directors Present:

W. Douglas Morgan, Montecito Water District
Kristen Sneddon, City of Santa Barbara
Polly Holcombe, Carpinteria Valley Water District
Lauren Hanson, Goleta Water District

Staff Present:

Janet Gingras, General Manager
Edward Lyons, Administrative Manager/CFO
Dave Stewart, Operations Division Manager
William Carter, General Counsel

Joel Degner, Water Resources Engineer
Tim Robinson, Fisheries Division Manager
Carinna Butler, Administrative Assistant

Others Present:

Kelley Dyer, City of SB Public Works
Philip Walker, Santa Barbara resident
Todd Buynak, Santa Barbara resident

Fray Crease, SB County Water Agency
Dan Hentschke, City of Santa Barbara
Tim Buynak, Santa Barbara resident

2. Public Comment

Mr. Walker shared with the Board the importance of proper tie down procedures when mobilizing equipment and information on Dr. Daniel Swain's presentation on future weather trends.

Mr. Tim Buynak asked to exchange contact information with staff to be able to coordinate notification of COMB projects on Laurel Canyon Road that may have an impact on the nearby neighbors. Mr. Buynak asked COMB to revisit the City of Santa Barbara sewer tie in project with the neighbors on Laurel Canyon Road.

3. Consent Agenda

Ms. Gingras presented the Consent Agenda as provided in the board packet. Ms. Gingras fielded questions from the Board.

a. **Minutes**

- Minutes of April 23, 2018 Regular Board Meeting

b. **Investment of Funds**

- Financial Reports
- Investment Reports

c. **Review of Paid Claims**

Director Hanson made a motion to approve the Consent Agenda as presented. Seconded by Director Holcombe; the motion passed by 6/0/1/0 vote:

Ayes: Sneddon, Holcombe, Hanson, Morgan

Nayes:

Absent: Walsh

Abstain:

4. **Verbal Reports From Board Committees**

- ***Fisheries Committee Meeting – May 17, 2018:*** Director Hanson highlighted in detail the Committee agenda items discussed and noted that the items will also be discussed separately within staff reports.

5. **Cachuma Project Trust Fund / Renewal Fund (“Funds Committee”) Meeting and Santa Barbara County’s Public Meeting on Cachuma Project Betterment Fund Use of Funds**

Ms. Gingras presented a recap of the annual Cachuma Project Trust Fund and Betterment Fund meeting to the Board for review, as incorporated in the board packet. Ms. Gingras updated the Board on the correspondence received from Santa Ynez River Water Conservation District ID No. 1 (SYRWCD ID No. 1). Ms. Gingras and legal counsel fielded questions from the Board. Director Hanson made a motion to approve the Committee’s recommendation. Seconded by Director Holcombe; the motion passed by 6/0/1/0 vote:

Ayes: Sneddon, Holcombe, Hanson, Morgan

Nayes:

Absent: Walsh

Abstain:

6. **Resolution No. 662 - Fish Passage Improvement Projects at Quiota Creek Crossings 5 and 9**

Ms. Gingras presented Resolution No. 662 as provided in the board packet to authorize the General Manager to execute a Notice of Award and to execute a construction contract with Peter Lapidus Construction, Inc., in an amount not to exceed \$1,359,550. Ms. Gingras noted that COMB received a formal protest from a firm whose bid was deemed nonresponsive. Ms.

Gingras, legal counsel and Mr. Robinson fielded questions from the Board. Director Holcombe made a motion to adopt Resolution No. 662 and to approve the Committee's recommendation. Seconded by Director Sneddon; the motion passed by 6/0/1/0 vote:

Ayes: Sneddon, Holcombe, Hanson, Morgan

Nayes:

Absent: Walsh

Abstain:

7. **General Manager Report**

- Administration
- Personnel
- Operations Division Activities
- Fisheries Division Activities

Ms. Gingras presented topics within her report as provided in the board packet highlighting the FY 2018-19 Draft Operating Budget meeting with the General Managers. Ms. Gingras also reported on various staff activities including the status of COMB's claim for reimbursement under the Federal Emergency Management Agency (FEMA) request for Public Assistance, correspondence with the Bureau of Reclamation on the issuance of the draft O & M contract and ongoing staff development and speaking opportunities. Ms. Gingras also highlighted the recent activities of the Operations and Fisheries divisions. Ms. Gingras fielded questions from the Board.

8. **Water Resources Engineer Report**

- Forecasted Lake Elevations
- Infrastructure Improvement Planning

Mr. Degner presented the monthly Water Resources Engineer Report as provided in the board packet highlighting the forecasted lake elevations and the status of infrastructure improvement projects. Mr. Degner fielded questions from the Board.

9. **Operations Division Report**

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Stewart presented topics within his report as provided in the board packet highlighting work being performed along the right-of-way and structure maintenance completed by staff on the south reach. Mr. Stewart fielded questions from the Board.

10. Fisheries Division Report

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

Mr. Robinson presented topics within his report as provided in the board packet highlighting the migrant trapping project and the site visit with the CDFW-FRGP Technical Grant Review Team for Quiota Creek Crossing #8. Mr. Robinson provided the Board an update on the Bureau of Reclamation's progress with the Hilton Creek emergency backup system. Mr. Robinson fielded questions from the Board.

11. Progress Report on Lake Cachuma Oak Tree Program

- Maintenance and Monitoring

Mr. Robinson presented topics within his report as provided in the board packet highlighting staff's ongoing mitigation efforts for the Oak Tree Program including the use of grow tubes.

12. Monthly Cachuma Project Reports

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

Ms. Gingras reviewed the monthly water reports as incorporated in the board packet. Ms. Gingras fielded questions from the Board.

13. Directors' Request for Agenda Items for Future Meeting

- There were no agenda item requests.

14. [CLOSED SESSION]: Conference with Legal Counsel: Potential Litigation

The Board went into closed session at 3:29 PM.

- a. [Government Code Section 54956.9(d)(4)]
Name of matter: Protest of Member Agency re: Payment of Quarterly Assessments

15. [CLOSED SESSION]: Conference with Labor Negotiators

- a. [Government Code Section 54957.6(a)]
Agency designated representatives: Board President
Unrepresented Employee: General Manager

16. RECONVENE INTO OPEN SESSION

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

The Board came out of closed session at 4:34 PM.

There was no reportable action.

17. Modification of General Manager's Compensation

This matter was postponed.

18. Meeting Schedule

- **June 11, 2018 at 3:00 PM (Special Board Meeting), COMB Office**
- **June 25, 2018 at 2:00 PM, COMB Office**
- **Board Packages Available on COMB Website www.cachuma-board.org**

19. COMB Adjournment

There being no further business, the meeting adjourned at 4:35 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

APPROVED:

Doug Morgan, President of the Board

	<i>Approved</i>
✓	<i>Unapproved</i>

Cachuma Operation & Maintenance Board
Statement of Net Position
As of May 31, 2018
UNAUDITED FINANCIALS

ASSETS

Current Assets

Checking/Savings

Trust Funds

1210 · Warren Act Trust Fund

\$ 860,274.32

1220 · Renewal Fund

10,215.61

Total Trust Funds

\$ 870,489.93

1050 · General Fund

542,677.35

1100 · Revolving Fund

144,121.98

Total Checking/Savings

1,557,289.26

Accounts Receivable

1320 · Quarterly Assessments Receivable

251,984.00

Total Accounts Receivable

251,984.00

Other Current Assets

1010 · Petty Cash

500.00

1200 · LAIF

2,027,905.05

1303 · Bradbury SOD Act Assessments Receivable

190,101.00

1304 · Lauro Dam SOD Assessments Receivable

29,472.92

1400 · Prepaid Insurance

19,432.72

Total Other Current Assets

2,267,411.69

Total Current Assets

4,076,684.95

Fixed Assets

1500 · Vehicles

411,918.76

1505 · Office Furniture & Equipment

443,923.41

1510 · Mobile Offices

97,803.34

1515 · Field Equipment

563,100.87

1525 · Paving

38,351.00

1550 · Accumulated Depreciation

-1,407,786.02

Total Fixed Assets

147,311.36

Other Assets

1910 · LT Bradbury SOD Act Assessments Receivable

4,875,720.07

1920 · LT Lauro SOD Act Assessments Receivable

865,427.91

1922 · Deferred Outflow of Resources (GASB 68)

422,161.00

Total Other Assets

6,163,308.98

TOTAL ASSETS

\$ 10,387,305.29

Cachuma Operation & Maintenance Board
Statement of Net Position
As of May 31, 2018
UNAUDITED FINANCIALS

LIABILITIES & NET POSITION

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable \$ 22,671.71

Total Accounts Payable 22,671.71

Other Current Liabilities

2550 · Vacation/Sick 143,385.84

2561 · Bradbury Dam SOD Act 190,111.66

2563 · Laura Dam SOD Act 29,472.92

2565 · Accrued Interest SOD Act 66,595.00

2567 · Loan Payable Current EPFP 402,389.08

2590 · Deferred Revenue 870,489.93

Total Other Current Liabilities 1,702,444.43

Total Current Liabilities 1,725,116.14

Long Term Liabilities

2602 · LT SOD Act Liability-Bradbury 4,875,710.07

2603 · LT SOD Act Liability - Lauro 865,427.91

2604 · OPEB LT Liability 1,054,948.00

2605 · Loan Payable Principal - EPFP 979,603.51

2610 · Net Pension Liability (GASB 68) 1,527,915.00

2611 · Deferred Inflow of Resources (GASB 68) 149,427.00

Total Long Term Liabilities 9,453,031.49

Total Liabilities 11,178,147.63

Net Position

3000 · Opening Balance Net Position -1,356,592.05

3901 · Retained Net Assets -860,682.51

Net Income 1,426,432.22

Total Net Position -790,842.34

TOTAL LIABILITIES & NET POSITION \$ 10,387,305.29

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2017 - June 2018

	Fisheries				Operations				TOTAL			
	Jul '17 - May 18	Budget	\$ Over Budget	% of Budget	Jul '17 - May 18	Budget	\$ Over Budget	% of Budget	Jul '17 - May 18	Budget	\$ Over Budget	% of Budget
Income												
3000 REVENUE												
3001 · O&M Budget (Qtrly Assessments)	\$791,492.00	\$821,492.00	-\$30,000.00	96.35%	\$2,833,188.00	\$2,893,190.00	-\$60,002.00	97.93%	\$3,624,680.00	\$3,714,682.00	-\$90,002.00	97.58%
3006 · Warren Act	482,709.20	620,361.00	-137,651.80	77.81%	0.00				482,709.20	620,361.00	-137,651.80	77.81%
3009 · Pmts - Member Agencies - EPPF	0.00				347,587.67				347,587.67	0.00	347,587.67	100.00%
3010 · Interest Income	0.00				10,681.76				10,681.76	0.00	10,681.76	100.00%
3020 · Misc Income	8,122.74				295.13				8,417.87	0.00	8,417.87	100.00%
3035 · Cachuma Project Betterment Fund	90,000.00	90,000.00	0.00	100.0%	0.00				90,000.00	90,000.00	0.00	100.00%
3037 · Grant-QC Crossing #5	0.00	893,287.00	-893,287.00	0.0%	0.00				0.00	893,287.00	-893,287.00	0.0%
3038 · Log Boom Match	0.00				65,000.00				65,000.00	0.00	65,000.00	100.00%
3090 · Proceeds - Disp of Fixed Assset	4,201.00				0.00				4,201.00	0.00	4,201.00	100.00%
Total 3000 REVENUE	1,376,524.94	2,425,140.00	-1,048,615.06	56.76%	3,256,752.56	2,893,190.00	363,562.56	112.57%	4,633,277.50	5,318,330.00	-685,052.50	87.12%
Total Revenue	1,376,524.94	2,425,140.00	-1,048,615.06	56.76%	3,256,752.56	2,893,190.00	363,562.56	112.57%	4,633,277.50	5,318,330.00	-685,052.50	87.12%
Gross Profit	1,376,524.94	2,425,140.00	-1,048,615.06	56.76%	3,256,752.56	2,893,190.00	363,562.56	112.57%	4,633,277.50	5,318,330.00	-685,052.50	87.12%
Expense												
3100 · LABOR - OPERATIONS	0.00				611,918.82	789,107.00	-177,188.18	77.55%	611,918.82	789,107.00	-177,188.18	77.55%
3200 VEH & EQUIPMENT												
3201 · Vehicle/Equip Mtce	0.00				31,743.22	30,000.00	1,743.22	105.81%	31,743.22	30,000.00	1,743.22	105.81%
3202 · Fixed Capital	0.00				1,358.73	15,000.00	-13,641.27	9.06%	1,358.73	15,000.00	-13,641.27	9.06%
3203 · Equipment Rental	0.00				1,320.49	5,000.00	-3,679.51	26.41%	1,320.49	5,000.00	-3,679.51	26.41%
3204 · Miscellaneous	0.00				3,696.53	5,000.00	-1,303.47	73.93%	3,696.53	5,000.00	-1,303.47	73.93%
Total 3200 VEH & EQUIPMENT	0.00				38,118.97	55,000.00	-16,881.03	69.31%	38,118.97	55,000.00	-16,881.03	69.31%
3300 · CONTRACT LABOR												
3301 · Conduit, Meter, Valve & Misc	0.00				10,836.41	20,000.00	-9,163.59	54.18%	10,836.41	20,000.00	-9,163.59	54.18%
3302 · Buildings & Roads	0.00				6,819.40	20,000.00	-13,180.60	34.1%	6,819.40	20,000.00	-13,180.60	34.1%
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				17,655.81	95,000.00	-77,344.19	18.59%	17,655.81	95,000.00	-77,344.19	18.59%
3400 · MATERIALS & SUPPLIES												
3401 · Conduit, Meter, Valve & Misc	0.00				5,353.26	65,000.00	-59,646.74	8.24%	5,353.26	65,000.00	-59,646.74	8.24%
3402 · Buildings & Roads	0.00				4,582.55	8,000.00	-3,417.45	57.28%	4,582.55	8,000.00	-3,417.45	57.28%
3403 · Reservoirs	0.00				1,379.20	5,000.00	-3,620.80	27.58%	1,379.20	5,000.00	-3,620.80	27.58%
Total 3400 · MATERIALS & SUPPLIES	0.00				11,315.01	78,000.00	-66,684.99	14.51%	11,315.01	78,000.00	-66,684.99	14.51%
3500 · OTHER EXPENSES												
3501 · Utilities	0.00				6,516.94	7,000.00	-483.06	93.1%	6,516.94	7,000.00	-483.06	93.1%
3502 · Uniforms	0.00				3,198.33	5,000.00	-1,801.67	63.97%	3,198.33	5,000.00	-1,801.67	63.97%
3503 · Communications	0.00				17,107.85	18,000.00	-892.15	95.04%	17,107.85	18,000.00	-892.15	95.04%
3504 · USA & Other Services	0.00				2,005.75	4,000.00	-1,994.25	50.14%	2,005.75	4,000.00	-1,994.25	50.14%
3505 · Miscellaneous	0.00				7,853.23	8,000.00	-146.77	98.17%	7,853.23	8,000.00	-146.77	98.17%
3506 · Training	0.00				120.70	3,000.00	-2,879.30	4.02%	120.70	3,000.00	-2,879.30	4.02%
Total 3500 · OTHER EXPENSES	0.00				36,802.80	45,000.00	-8,197.20	81.78%	36,802.80	45,000.00	-8,197.20	81.78%
4100 · LABOR - FISHERIES	632,139.35	683,374.00	-51,234.65	92.5%	0.00				632,139.35	683,374.00	-51,234.65	92.5%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtce	23,469.32	15,000.00	8,469.32	156.46%	0.00				23,469.32	15,000.00	8,469.32	156.46%
4280 · Fixed Capital	34,536.77	15,000.00	19,536.77	230.25%	0.00				34,536.77	15,000.00	19,536.77	230.25%
4290 · Miscellaneous	2,914.90	2,500.00	414.90	116.6%	0.00				2,914.90	2,500.00	414.90	116.6%
Total 4200 · VEHICLES & EQUIP - FISHERIES	60,920.99	32,500.00	28,420.99	187.45%	0.00				60,920.99	32,500.00	28,420.99	187.45%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2017 - June 2018

	Fisheries				Operations				TOTAL			
	Jul '17 - May 18	Budget	\$ Over Budget	% of Budget	Jul '17 - May 18	Budget	\$ Over Budget	% of Budget	Jul '17 - May 18	Budget	\$ Over Budget	% of Budget
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	104.00	3,000.00	-2,896.00	3.47%	0.00				104.00	3,000.00	-2,896.00	3.47%
4222 · Fish Projects Maintenance	7,602.90	25,000.00	-17,397.10	30.41%	0.00				7,602.90	25,000.00	-17,397.10	30.41%
Total 4220 · CONTRACT LABOR - FISHERIES	7,706.90	28,000.00	-20,293.10	27.53%	0.00				7,706.90	28,000.00	-20,293.10	27.53%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	4,242.06	7,000.00	-2,757.94	60.6%	0.00				4,242.06	7,000.00	-2,757.94	60.6%
4300 · MATERIALS/SUPPLIES - FISHERIES - Other	79.05				0.00				79.05	0.00	79.05	100.0%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	4,321.11	7,000.00	-2,678.89	61.73%	0.00				4,321.11	7,000.00	-2,678.89	61.73%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	3,762.85	2,500.00	1,262.85	150.51%	0.00				3,762.85	2,500.00	1,262.85	150.51%
Total 4500 · OTHER EXPENSES - FISHERIES	3,762.85	2,500.00	1,262.85	150.51%	0.00				3,762.85	2,500.00	1,262.85	150.51%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				7,359.29	12,000.00	-4,640.71	61.33%	7,359.29	12,000.00	-4,640.71	61.33%
5001 · Director Mileage	0.00				541.52	1,000.00	-458.48	54.15%	541.52	1,000.00	-458.48	54.15%
5100 · Legal	0.00				53,517.76	75,000.00	-21,482.24	71.36%	53,517.76	75,000.00	-21,482.24	71.36%
5101 · Audit	0.00				17,668.90	21,625.00	-3,956.10	81.71%	17,668.90	21,625.00	-3,956.10	81.71%
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				27,302.76	50,551.00	-23,248.24	54.01%	27,302.76	50,551.00	-23,248.24	54.01%
5310 · Postage/Office Exp	0.00				5,200.69	5,000.00	200.69	104.01%	5,200.69	5,000.00	200.69	104.01%
5311 · Office Equip/Leases	0.00				7,008.62	9,200.00	-2,191.38	76.18%	7,008.62	9,200.00	-2,191.38	76.18%
5312 · Misc Admin Expenses	0.00				12,095.41	8,600.00	3,495.41	140.64%	12,095.41	8,600.00	3,495.41	140.64%
5313 · Communications	0.00				7,763.10	8,500.00	-736.90	91.33%	7,763.10	8,500.00	-736.90	91.33%
5314 · Utilities	0.00				8,320.92	9,737.00	-1,416.08	85.46%	8,320.92	9,737.00	-1,416.08	85.46%
5315 · Membership Dues	0.00				8,207.44	8,500.00	-292.56	96.56%	8,207.44	8,500.00	-292.56	96.56%
5316 · Admin Fixed Assets	0.00				3,704.49	3,000.00	704.49	123.48%	3,704.49	3,000.00	704.49	123.48%
5318 · Computer Consultant	0.00				11,211.65	15,000.00	-3,788.35	74.74%	11,211.65	15,000.00	-3,788.35	74.74%
5325 · Emp Training/Subscriptions	0.00				2,185.63	2,000.00	185.63	109.28%	2,185.63	2,000.00	185.63	109.28%
5330 · Admin Travel/Conferences	0.00				122.34	2,000.00	-1,877.66	6.12%	122.34	2,000.00	-1,877.66	6.12%
5331 · Public Information	0.00				460.67	1,000.00	-539.33	46.07%	460.67	1,000.00	-539.33	46.07%
5317 · Admin Contract Labor	0.00				12,377.08	7,500.00	4,877.08	165.03%	12,377.08	7,500.00	4,877.08	165.03%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				185,048.27	245,213.00	-60,164.73	75.46%	185,048.27	245,213.00	-60,164.73	75.46%
5299 · ADMIN LABOR	0.00				478,214.60	560,870.00	-82,655.40	85.26%	478,214.60	560,870.00	-82,655.40	85.26%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	7,355.40	20,000.00	-12,644.60	36.78%	0.00				7,355.40	20,000.00	-12,644.60	36.78%
5410 · Postage / Office Supplies	2,959.49	4,000.00	-1,040.51	73.99%	0.00				2,959.49	4,000.00	-1,040.51	73.99%
5411 · Office Equipment / Leases	3,773.75	5,218.00	-1,444.25	72.32%	0.00				3,773.75	5,218.00	-1,444.25	72.32%
5412 · Misc. Admin Expense	6,595.01	5,610.00	985.01	117.56%	0.00				6,595.01	5,610.00	985.01	117.56%
5413 · Communications	5,016.24	4,305.00	711.24	116.52%	0.00				5,016.24	4,305.00	711.24	116.52%
5414 · Utilities	4,480.42	5,243.00	-762.58	85.46%	0.00				4,480.42	5,243.00	-762.58	85.46%
5415 · Membership Dues	5,298.23	5,500.00	-201.77	96.33%	0.00				5,298.23	5,500.00	-201.77	96.33%
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%
5417 · Admin Contract Labor	6,664.46	4,000.00	2,664.46	166.61%	0.00				6,664.46	4,000.00	2,664.46	166.61%
5418 · Computer Consultant	6,036.96	5,000.00	1,036.96	120.74%	0.00				6,036.96	5,000.00	1,036.96	120.74%
5425 · Employee Education/Subscription	2,423.76	2,500.00	-76.24	96.95%	0.00				2,423.76	2,500.00	-76.24	96.95%
5426 · Director Fees	3,962.71	6,500.00	-2,537.29	60.97%	0.00				3,962.71	6,500.00	-2,537.29	60.97%
5427 · Director Mileage	246.48	500.00	-253.52	49.3%	0.00				246.48	500.00	-253.52	49.3%
5430 · Travel	1,710.36	2,500.00	-789.64	68.41%	0.00				1,710.36	2,500.00	-789.64	68.41%
5431 · Public Information	247.92	1,500.00	-1,252.08	16.53%	0.00				247.92	1,500.00	-1,252.08	16.53%
5441 · Audt	9,137.10	7,175.00	1,962.10	127.35%	0.00				9,137.10	7,175.00	1,962.10	127.35%
5443 · Liab & Property Ins	14,701.49	24,745.00	-10,043.51	59.41%	0.00				14,701.49	24,745.00	-10,043.51	59.41%
Total 5400 · GENERAL & ADMIN - FISHERIES	80,609.78	107,296.00	-26,686.22	75.13%	0.00				80,609.78	107,296.00	-26,686.22	75.13%
5499 · ADMIN LABOR-FISHERIES	176,189.60	221,470.00	-45,280.40	79.56%	0.00				176,189.60	221,470.00	-45,280.40	79.56%

Cachuma Operation & Maintenance Board
Statement of Revenues and Expenditures
 Budget vs. Actuals July 2017 - June 2018

	Fisheries				Operations				TOTAL			
	Jul '17 - May 18	Budget	\$ Over Budget	% of Budget	Jul '17 - May 18	Budget	\$ Over Budget	% of Budget	Jul '17 - May 18	Budget	\$ Over Budget	% of Budget
5510 · Integrated Reg. Water Mgt Plan	0.00				2,408.83	5,000.00	-2,591.17	48.18%	2,408.83	5,000.00	-2,591.17	48.18%
6000 · SPECIAL PROJECTS												
6062 · SCADA	0.00				1,255.20	20,000.00	-18,744.80	6.28%	1,255.20	20,000.00	-18,744.80	6.28%
6090 · COMB Office Building	0.00				480.55	20,000.00	-19,519.45	2.4%	480.55	20,000.00	-19,519.45	2.4%
6096 · SCC Structure Rehabilitation	0.00				63,424.71	225,000.00	-161,575.29	28.19%	63,424.71	225,000.00	-161,575.29	28.19%
6096-2 · SCC Str Rehab Thomas DebrisFlow	0.00				17,692.57		0.00	100.0%	17,692.57	0.00	17,692.57	100.0%
6097 · GIS and Mapping	0.00				14,018.19	10,000.00	4,018.19	140.18%	14,018.19	10,000.00	4,018.19	140.18%
6105 · ROW Management Program	0.00				17,478.32	20,000.00	-2,521.68	87.39%	17,478.32	20,000.00	-2,521.68	87.39%
6118 · Repair Lateral 3 Structure	0.00				13,997.49	100,000.00	-86,002.51	14.0%	13,997.49	100,000.00	-86,002.51	14.0%
6120 · Emergency Pumping Fac Project	0.00				149,064.50	223,000.00	-73,935.50	66.85%	149,064.50	223,000.00	-73,935.50	66.85%
6120-2 · EPPF C/O FY 2016	0.00				0.00	-223,000.00	223,000.00	0.0%	0.00	-223,000.00	223,000.00	0.0%
6122 · Rehab San Antonio Crk Blow-off	0.00				2,682.76	35,000.00	-32,317.24	7.67%	2,682.76	35,000.00	-32,317.24	7.67%
6130 · NP Slope Stabilization	0.00				69,030.28	103,694.45	-34,664.17	66.57%	69,030.28	103,694.45	-34,664.17	66.57%
6130-1 · NP Slope Stabil C/O Funds FY 16	0.00				0.00	-73,694.45	73,694.45	0.0%	0.00	-73,694.45	73,694.45	0.0%
6132 · Sycamore Canyon Slope Stabiliz	0.00				96,673.84	300,000.00	-203,326.16	32.23%	96,673.84	300,000.00	-203,326.16	32.23%
6133 · Meter Replacement Project	0.00				0.00	100,000.00	-100,000.00	0.0%	0.00	100,000.00	-100,000.00	0.0%
6134 · N.P. IT/Control Bldg Seismic	0.00				0.00	100,000.00	-100,000.00	0.0%	0.00	100,000.00	-100,000.00	0.0%
6135 · SCC San Jose Creek Pipe Stabili	0.00				0.00	60,000.00	-60,000.00	0.0%	0.00	60,000.00	-60,000.00	0.0%
Total 6000 · SPECIAL PROJECTS	0.00				445,798.41	1,020,000.00	-574,201.59	43.71%	445,798.41	1,020,000.00	-574,201.59	43.71%
6200 · FISHERIES ACTIVITIES												
6201 · FMP Implementation	44,449.05	60,000.00	-15,550.95	74.08%	0.00				44,449.05	60,000.00	-15,550.95	74.08%
6202 · GIS and Mapping	12,858.25	10,000.00	2,858.25	128.58%	0.00				12,858.25	10,000.00	2,858.25	128.58%
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	8,000.00	-8,000.00	0.0%	0.00				0.00	8,000.00	-8,000.00	0.0%
6205 · USGS Stream Gauge Program	81,591.67	100,000.00	-18,408.33	81.59%	0.00				81,591.67	100,000.00	-18,408.33	81.59%
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	13,034.37	40,000.00	-26,965.63	32.59%	0.00				13,034.37	40,000.00	-26,965.63	32.59%
Total 6200 · FISHERIES ACTIVITIES	151,933.34	233,000.00	-81,066.66	65.21%	0.00				151,933.34	233,000.00	-81,066.66	65.21%
6300 · HABITAT ENHANCEMENT												
6318 · Quiota Creek Crossing 9	20,673.52	30,000.00	-9,326.48	68.91%	0.00				20,673.52	30,000.00	-9,326.48	68.91%
6319 · Mission Creek at Hwy 192	0.00	30,000.00	-30,000.00	0.0%	0.00				0.00	30,000.00	-30,000.00	0.0%
6303 · Tributary Projects Support	19,992.47	20,000.00	-7.53	99.96%	0.00				19,992.47	20,000.00	-7.53	99.96%
6315 · Quiota Creek Crossing 8	0.00	60,000.00	-60,000.00	0.0%	0.00				0.00	60,000.00	-60,000.00	0.0%
6316 · Quiota Creek Crossing 5	158,201.13	960,000.00	-801,798.87	16.48%	0.00				158,201.13	960,000.00	-801,798.87	16.48%
6317 · Salsipuedes Fish Ladder Repair	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
Total 6300 · HABITAT ENHANCEMENT	198,867.12	1,110,000.00	-911,132.88	17.92%	0.00				198,867.12	1,110,000.00	-911,132.88	17.92%
7007 · INTEREST EXPENSE-EPPF	0.00				63,112.72				63,112.72	0.00	63,112.72	100.0%
Total Expense	1,316,451.04	2,425,140.00	-1,108,688.96	54.28%	1,890,394.24	2,893,190.00	-1,002,795.76	65.34%	3,206,845.28	5,318,330.00	-2,111,484.72	60.3%
Net Surplus/Deficit	\$60,073.90	\$0.00	\$60,073.90	100.0%	\$1,366,358.32	\$0.00	\$1,366,358.32	100.0%	\$1,426,432.22	\$0.00	\$1,426,432.22	100.0%

Local Agency Investment Fund
P.O. Box 942809
Sacramento, CA 94209-0001
(916) 653-3001

www.treasurer.ca.gov/pmia-laif/laif.asp
June 19, 2018

CACHUMA OPERATION AND MAINTENANCE BOARD

GENERAL MANAGER
3301 LAUREL CANYON ROAD
SANTA BARBARA, CA 93105-2017

PMIA Average Monthly Yields

Tran Type Definitions

May 2018 Statement

Effective Date	Transaction Date	Tran Type	Confirm Number	Authorized Caller	Amount
5/31/2018	5/30/2018	RD	1571777	EDWARD LYONS	1,200,000.00

Account Summary

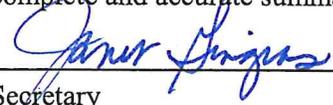
Total Deposit:	1,200,000.00	Beginning Balance:	827,905.05
Total Withdrawal:	0.00	Ending Balance:	2,027,905.05

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of May, 2018, 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 LAIF investments of this agency for the period indicated.


Secretary

AMERICAN RIVIERA BANK

P.O. Box 329, Santa Barbara, California 93102
805-965-5942 www.americanrivierabank.com



CACHUMA OPERATION AND MAINTENANCE BOARD
RENEWAL ACCOUNT
3301 LAUREL CANYON RD
SANTA BARBARA CA 93105-2017

Page 1

ACCOUNT ANALYSIS CHECKING

Statement Date 05/31/2018
Last Statement Date 04/30/2018

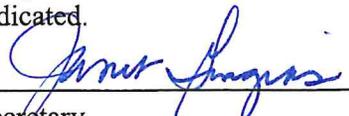
0	Statement Period		
Previous Balance	10,215.61	# Of Days-Stmt Period	31
0 Deposits/Credits	0.00		
0 Checks/Withdrawals	0.00	Average Balance	10,215.61
Ending Balance	10,215.61		
Total Srv Chg Today	0.00	YTD Interest	0.00

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of May, 2018, 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 investments of this agency for the period indicated.


Secretary

AMERICAN RIVIERA BANK

P.O. Box 329, Santa Barbara, California 93102
805-965-5942 www.americanrivierabank.com



CACHUMA OPERATION AND MAINTENANCE BOARD
WARREN ACCT TRUST FUND
3301 LAUREL CANYON RD
SANTA BARBARA CA 93105-2017

Page 1

ACCOUNT ANALYSIS CHECKING

Statement Date 05/31/2018
Last Statement Date 04/30/2018

0	Statement Period		
Previous Balance	860,274.32	# Of Days-Stmt Period	31
0 Deposits/Credits	0.00		
0 Checks/Withdrawals	0.00	Average Balance	860,274.32
Ending Balance	860,274.32	YTD Interest	0.00
Total Srv Chg Today	0.00		

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of May, 2018, 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 investments of this agency for the period indicated.


Secretary

Cachuma Operation & Maintenance Board

Paid Claims

As of May 31, 2018

Date	Num	Name	Memo	Amount
1050 - General Fund				
05/09/2018	26036	Accountemps	Temporary Staff Labor - W/E 4/20/18	-2,917.76
05/09/2018	26037	Association of Ca Water Agencies/JPIA	June Health Benefits Coverage	-33,997.83
05/09/2018	26038	CA Surveying & Drafting Supply Inc.	Trimble Geo 7X	-13,324.32
05/09/2018	26039	City of Santa-Barbara	Trash/Recycling April 2018	-223.05
05/09/2018	26040	Coastal Copy, LP	Copier Maintenance Agreement TASKalfa 6052ci /3051ci	-431.48
05/09/2018	26041	Cox Communications Santa Barbara	Business Internet May	-140.00
05/09/2018	26042	Culligan of Sylmar	Monthly RO System - April	-27.95
05/09/2018	26043	ECHO Communications	Answering Service - May	-62.00
05/09/2018	26044	Frontier Communications	Main Office/ Outlying Stations/SCADA	-586.05
05/09/2018	26045	Harrison Hardware	Oak Tree Project Supplies	-189.09
05/09/2018	26046	Home Depot Credit Services	Miscellaneous Supplies & Upright Freezer (Fish Div)	-676.69
05/09/2018	26047	Kristen Sneddon	Board Meeting Fees & Mileage - April	-309.04
05/09/2018	26048	Lauren W. Hanson	Board Meeting Fees & Mileage - April	-310.90
05/09/2018	26049	Musick, Peeler & Garrett LLP	COMB General Counsel through 3/31/18	-14,106.06
05/09/2018	26050	Nestle Pure Life Direct	April - 5 Gal deposit	-60.81
05/09/2018	26051	O'Reilly Automotive, Inc.	Auto Parts (Ops)	-146.70
05/09/2018	26052	Onset Computer Corporation	Water Quality Instrumentation (Fish Div)	-1,923.00
05/09/2018	26053	Paychex, Inc. (Payroll)	Payroll Services 4/4/18 & 4/18/18	-363.78
05/09/2018	26054	Polly Holcombe	Board Meeting Fees & Mileage - April	-286.84
05/09/2018	26055	Southern California Edison	Utilities Main Office and Outlying Stations	-1,258.70
05/09/2018	26056	Staples Credit Plan	Office Supplies	-529.89
05/09/2018	26057	Tri-Co Reprographics	Quiota Creek Xing 5 & 9	-147.69
05/09/2018	26058	Tri-County Blinds & Drapes	Repair Blinds	-85.00
05/09/2018	26059	Turenchalk Network Services, Inc.	Network Services & Support - April	-1,454.05
05/09/2018	26060	Underground Service Alert of So. Calif.	Ticket Charges - April	-222.85
05/09/2018	26061	W. Douglas Morgan	Board Meeting Fees & Mileage - April	-321.80
05/09/2018	26062	Wells Fargo Vendor Fin Serv	Copier Lease - TASKalfa 6052ci & 3051ci	-411.08
05/09/2018	26063	Wright Express Fleet Services	Fleet Fuel	-3,104.29
05/11/2018	26064	Void	Void	0.00
05/11/2018	26065	Void	Void	0.00
05/11/2018	26066	Bill Alcalá	Fleet Vehicle Wash and Detail	-400.00
05/21/2018	26067	Accountemps	Temporary Staff Labor - W/E 5/4/18	-2,872.17
05/21/2018	26068	AT&T	April Phone Charges	-848.92
05/21/2018	26069	Crop Production Services, Inc	Miscellaneous Supplies (Ops)	-112.68
05/21/2018	26070	Flowers & Associates, Inc.	San Antonio Creek Blow-off	-24,188.26
05/21/2018	26071	Frontier Communications	SCADA Phone charges	-572.25
05/21/2018	26072	HDR Engineering, Inc.	GIS & Mapping, Quiota Creek Xings 5 & 9	-7,428.07
05/21/2018	26073	Levi H. Miller	Contract Labor - SY River Berm Monitoring	-931.95
05/21/2018	26074	MarBorg Industries	Portable Toilet services - outlying stations	-271.40
05/21/2018	26075	Otis Elevator Company	North Portal Elevator Maintenance	-2,764.50
05/21/2018	26076	Powell Garage	Water Truck Repair	-245.32
05/21/2018	26077	Premiere Global Services	Conference Calls April	-122.18
05/21/2018	26078	Santa Barbara Electronics Supply, LLC	Supplies - Ops	-15.37
05/21/2018	26079	Southern California Edison	Utilities - Main Office & Outlying Stations	-76.47
05/21/2018	26080	The Gas Company	Utilities Main Office	-7.57
05/21/2018	26081	Total Compensation Systems, Inc.	GASB45 Valuation services-1st Installment	-1,440.00
05/21/2018	26082	Verizon Wireless	April Cell/Modem/USB Service	-645.53
05/23/2018	26083	California Department of Fish & Wildlife	Standard Agreement Permit Fee - Quita Creek Crossing 9	-5,145.75
05/25/2018	ACH052518A	American Riviera Bank (ARB)	Principal and Interest Loan 3100240	-28,123.75
05/25/2018	ACH052518B	American Riviera Bank (ARB)	Principal and Interest Loan 3100239	-10,354.21
05/30/2018	26084	Accountemps	Temporary Staff Labor - W/E 5/18/18	-1,458.88
05/30/2018	26085	Cushman Contracting Corp.	Emergency Pump System Storage #49	-7,000.00
05/30/2018	26086	Federal Express	Shipping (Fish Div)	-20.68
05/30/2018	26087	J&C Services	Office Cleaning Services - April	-600.00
05/30/2018	26088	Kristen Sneddon	Board Meeting Fees & Mileage - May	-309.04
05/30/2018	26089	Lauren W. Hanson	Board Meeting Fees & Mileage - May	-310.90

Cachuma Operation & Maintenance Board

Paid Claims

As of May 31, 2018

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
05/30/2018	26090	Musick, Peeler & Garrett LLP	COMB General Counsel through 4/30/18	-12,581.00
05/30/2018	26091	Pacific Coast Jiffy Lube	2008 Explorer service (Ops)	-84.00
05/30/2018	26092	Paychex, Inc. (HR Essentials)	HR Essentials Service	-207.17
05/30/2018	26093	PG&E	Tecolote Tunnel/North Portal Electricity	-335.87
05/30/2018	26094	Polly Holcombe	Board Meeting Fees & Mileage - May	-143.42
05/30/2018	26095	W. Douglas Morgan	Board Meeting Fees & Mileage - May	-482.70
Total 1050 · General Fund				<u>-187,718.71</u>
TOTAL				<u><u>-187,718.71</u></u>

APPROVED FOR PAYMENT

Director

Director

Director

CACHUMA OPERATION & MAINTENANCE BOARD

Administrative Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Wednesday, May 23, 2018
12:30 p.m.

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. Proposed Draft Fiscal Year 2018-19 Operating Budget (*for information and possible recommendation*)
4. Adjournment

NOTICE TO THE PUBLIC

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

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

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

CACHUMA OPERATION & MAINTENANCE BOARD

Operations Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Wednesday, June 20, 2018
2:00 p.m.

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. Cachuma Conveyance Operations – Fiscal Year 2018-19 (*for information and possible recommendation*)
4. Infrastructure Improvement Projects (*for information and possible recommendation*)
 - A. Sycamore Canyon Slope Stabilization
 - B. South Coast Conduit (SCC) Appurtenances Emergency Repairs
5. Construction Projects within USBR Right-of-Way (*for information*)
6. Project Tracking (*for information*)
7. Adjournment

NOTICE TO THE PUBLIC

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

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

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

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	June 25, 2018
Submitted by:	Janet Gingras

SUBJECT: Fiscal Year 2018-19 Elections and Appointments of Cachuma Operation and Maintenance Board

SUMMARY:

Each year during this time, the Board of Directors conducts the annual election of new officers and votes on appointed positions to serve the Board for the upcoming fiscal year. The newly elected officers and appointed positions will become effective July 1, 2018 and will remain in effect until June 30, 2019. The list below outlines the Officers to be elected at this time and the current positions held by members of the Board.

- a. Election of President
Currently Director Morgan
 - b. Election of Vice-President
Currently Director Hanson
-
- c. Appointment of ACWA/JPIA Representative and Alternate
Currently Director Morgan and Janet Gingras
 - d. Appointment of General Counsel
Currently William Carter - Musick, Peeler & Garrett LLP
 - e. Appointment of Secretary of the Board
Currently General Manager, Janet Gingras
 - f. Appointment of Treasurer and Auditor-Controller
Currently Administrative Manager, Edward Lyons

RECOMMENDATION:

The Board shall elect by nomination and roll call vote one of its members to serve as President and one of its members to serve as Vice President.

The Board shall make each appointment by a motion and roll call vote of the Board.

LIST OF EXHIBITS:

N/A

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	June 25, 2018
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Resolution No. 663 - COMB Proposed Fiscal Year 2018-19 Operating Budget

SUMMARY:

Each year, the Board of Directors approves the COMB Operating Budget (Budget) for the following fiscal year which runs from July 1 through June 30. The Budget is COMB's financial work plan, translated in expenditures, supported by revenues. These projected expenditures have been refined through development of an internal annual work plan and long term plans.

The Budget provides a framework for effecting policy directives, executing operational plans, and implementing infrastructure improvement projects necessary to operate and maintain the Cachuma Project Transferred Project Works. It establishes the direction for the near term, and to the extent the decisions have continuing implications, it establishes a long term course as well. The Budget also supports the work associated with implementation of the Fish Management Plan and the 2000 Cachuma Project Biological Opinion.

On May 18, 2018, Staff conducted a meeting with the General Managers of the Member Agencies and incorporated their comments and suggestions into the Proposed FY 2018-19 Budget.

On May 23, 2018, the COMB Administrative Committee met and reviewed the Proposed FY 2018-19 Budget and, after providing any comments, forwarded it to the COMB Governing Board with a recommendation to approve.

On June 11, 2018, the COMB Governing Board conducted a Special Meeting of the Governing Board to review and consider the Proposed FY 2018-19 Operating Budget and provided comments and directions to staff.

The final Proposed Operating Budget, not including pass-thru expenditures, for FY 2018-19 is \$7,528,231. The Budget reflects projected operating expenses and improvement projects for the Operations Division, the Fisheries Division as well as the General and Administrative expenses for FY 2018-19. Once approved by the Board, management will continue to closely monitor projects, expenditures, and revenues throughout the fiscal year to ensure integrity, transparency and quality of operations.

LEGAL CONCURRENCE:

General Counsel has reviewed Resolution No. 663.

COMMITTEE STATUS:

The Administrative Committee has reviewed the COMB Proposed FY 2018-19 Operating Budget and forwards to the Board with a recommendation to approve.

RECOMMENDATION:

The Board adopt Resolution No. 663 approving the Cachuma Operation and Maintenance Board Annual Operating Budget for fiscal year ending June 30, 2019

LIST OF EXHIBITS:

- 1) Resolution No. 663
- 2) COMB Proposed FY 2018-19 Operating Budget

RESOLUTION NO. 663

**RESOLUTION OF THE GOVERNING BOARD OF THE
CACHUMA OPERATION & MAINTENANCE BOARD ADOPTING THE
ANNUAL OPERATING BUDGET FOR FISCAL YEAR ENDING JUNE 30, 2019**

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 City of Santa Barbara, the Goleta Water District, the Montecito Water District, the Carpinteria Valley Water District (collectively herein the “South Coast Member Agencies”), and the Santa Ynez River Water Conservation District, Improvement District No. 1 (“ID No. 1”); and

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

WHEREAS, COMB staff developed a COMB Proposed Annual Fiscal Year (FY) 2018-19 Operating Budget (“Proposed FY 2018-19 Budget”) using zero-based budgeting methodology, which unlike traditional incremental budgeting, employs a detailed examination of expenditures wherein only the necessary budget amount for each line item is presented for discussion; and

WHEREAS, on May 18, 2018, COMB staff held a meeting with the General Managers of the Member Agencies to review the Proposed FY 2018-19 Budget and incorporated comments and suggestions into the Proposed FY 2018-19 Budget presented to the Administrative Committee for its review and comments; and

WHEREAS, on May 23, 2018, the COMB Administrative Committee met and reviewed the Proposed FY 2018-19 Budget and, after providing any comments, forwarded it to the COMB Governing Board with a recommendation to approve; and

WHEREAS, on June 11, 2018, the COMB Governing Board conducted a Special Meeting of the Governing Board to review and consider the Proposed FY 2018-19 Budget and provided comments and direction to staff; and

WHEREAS, during the Special Meeting, the Governing Board was provided an overview of the Proposed FY 2018-19 Budget with assurances that it was based on Board priorities, demonstrates fiscal accountability, and ensures future financial sustainability; and

WHEREAS, on June 25, 2018, the COMB Governing Board was presented a Final Proposed FY 2018-19 Budget with incorporated comments for approval and adoption; and

WHEREAS, it is in the best interest of COMB to approve and adopt the Proposed FY 2018-19 Budget for sound financial operation of COMB; and

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

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

2. The Governing Board approves and adopts, with consideration of any modifications made at the time of adoption, the FY 2018-19 Operating Budget ending June 30, 2019.

3. This Resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 25th day of June 2018, by the following roll call vote:

Ayes:

Nays:

Abstain:

Absent:

APPROVED:

President of the Governing Board

ATTEST:

Secretary of the Governing Board

Draft Fiscal Year 2018-19 Operating Budget



Mission Statement:

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



A California Joint Powers Authority

Item #6 Exhibit #2

Page 1

Cachuma Operation & Maintenance Board

Board of Directors

W. Douglas Morgan, Montecito Water District

Lauren Hanson, Goleta Water District

Kristen Sneddon, City of Santa Barbara

Polly Holcombe, Carpinteria Valley Water District

Santa Ynez River Water Conservation District, ID No. 1

General Manager

Janet L. Gingras

Staff Contributors

Edward Lyons, Administrative Manager, CFO

Joel Degner, Water Resources Engineer

Dave Stewart, Operations Division Manager

Tim Robinson, Fisheries Division Manager

Carinna Butler, Administrative Assistant



General Manager's Message

The Fiscal Year (FY) 2018-19 Proposed Operating Budget (Budget) provides the foundation for implementing critical infrastructure improvement projects necessary to operate and maintain the Cachuma Project Transferred Project Works. In addition, the Budget supports the work associated with implementation of the Fish Management Plan and the 2000 Cachuma Project Biological Opinion. The Budget document provides detailed information about the Cachuma Operation and Maintenance Board (COMB) revenue and expenditure forecast in the coming year and addresses the main points and major decisions made in compiling the Budget. The Budget provides the financial plan required to implement our mission and will enable staff to utilize the resources needed to achieve our goals.

Adoption of the Budget is one of the most important aspects taken by the Board of Directors. The Budget is COMB's financial work plan, translated in expenditures, supported by revenues. It establishes the direction for the near term, and to the extent the decisions have continuing implications, it establishes a long term course as well. The Budget is a projection of revenues and expenditures needed for operation, maintenance, administration, infrastructure and habitat improvements associated with providing an essential water supply to our Member Agencies.

The FY 2017-18 Operating Budget funded the highest priority projects and activities necessary to achieve our goals while keeping expenditures as low as possible. Significant fiscal challenges continue to face the Member Agencies who fund COMB in FY 2018-19. Rising costs for essential materials and supplies, pressure on our Members Agencies budgets from the seven year drought condition and unexpected natural disasters, in addition to other external factors make financial projections more difficult than normal. From the onset of this budget process, we scrutinized our budget planning assumptions, established prudent financial targets and set priorities with careful consideration.

Staff has worked aggressively to maintain costs in all areas of the budget by improving operating efficiencies and effectively utilizing internal resources to achieve our objectives. In alignment with Board adopted policies, staff shares a commitment of continued diligence in everyday work production and performance and recognizes the important obligation charged to COMB in support of our Member Agencies and external stakeholders.

Summary

In this dynamic financial environment, monitoring the budget and responding to changes or unanticipated events is a continuing process. COMB will continue to report financial activity in a timely and transparent manner to the Board and Member Agencies. Cost management will remain a key objective in light of ongoing pressures on water rates and financial reserves at the Member Agency level. Staff is committed to sustaining a sound financial position that ensures the ability to identify and resolve future challenges.

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## LIST OF ACRONYMS AND ABBREVIATIONS

|            |                                                |
|------------|------------------------------------------------|
| ACWA       | Association of California Water Agencies       |
| AMC        | Adaptive Management Committee                  |
| AWWA       | American Water Works Association               |
| AF         | Acre Foot                                      |
| AFY        | Acre Feet per Year                             |
| AVAR/BO    | Air Vacuum Air Release / Blow Off              |
| BO         | Biological Opinion                             |
| CAFR       | Comprehensive Annual Financial Report          |
| CalPERS    | California Public Employees' Retirement System |
| CC         | Consensus Committee                            |
| CCFA       | Central Coast Funding Area                     |
| CCRB       | Cachuma Conservation Release Board             |
| CCWA       | Central Coast Water Authority                  |
| CDFW       | California Department of Fish and Wildlife     |
| City of SB | City of Santa Barbara                          |
| COMB       | Cachuma Operation and Maintenance Board        |
| COLA       | Cost of Living Adjustment                      |
| CPI        | Consumer Price Index                           |
| CSDA       | California Special Districts Association       |
| CVWD       | Carpinteria Valley Water District              |
| DWR        | Department of Water Resources                  |
| EAP        | Employee Assistance Program                    |
| EPF        | Emergency Pumping Facility                     |
| EPFP       | Emergency Pumping Facilities Project           |
| EPMC       | Employer Paid Member Contribution              |
| ESRI       | Environmental Systems Research Institute       |
| FY         | Fiscal Year                                    |
| FYE        | Fiscal Year Ending                             |
| FMP        | Fisheries Monitoring Program                   |

## LIST OF ACRONYMS AND ABBREVIATIONS – CONT'D.

|        |                                              |
|--------|----------------------------------------------|
| FRGP   | Fisheries Restoration Grant Program          |
| G & A  | General and Administrative                   |
| GFOA   | Government Finance Officers Association      |
| GIS    | Geographic Information System                |
| GPS    | Global Positioning System                    |
| GWD    | Goleta Water District                        |
| HIP    | Habitat Improvement Plan                     |
| IIP    | Infrastructure Improvement Plan              |
| IRWM   | Integrated Regional Water Management         |
| IRWMP  | Integrated Regional Water Management Program |
| JPA    | Joint Powers Authority                       |
| JPIA   | Joint Power Insurance Authority              |
| MWD    | Montecito Water District                     |
| MOU    | Memorandum of Understanding                  |
| NGO    | Non-Governmental Organizations               |
| NMFS   | National Marine Fisheries Service            |
| O&M    | Operations and Maintenance                   |
| PEPRA  | Public Employees' Pension Reform Act         |
| PLC    | Programmable Logic Controllers               |
| ROW    | Right of Way                                 |
| SB     | Santa Barbara                                |
| SCADA  | Supervisory Control and Data Acquisition     |
| SCC    | South Coast Conduit                          |
| SOD    | Safety of Dams                               |
| SWP    | State Water Project                          |
| SWRCB  | State Water Resources Control Board          |
| SYR    | Santa Ynez River                             |
| SYRCWD | Santa Ynez River Conservation Water District |
| USA    | Underground Service Alerts                   |

## SECTION I - OVERVIEW

### HISTORY OF COMB

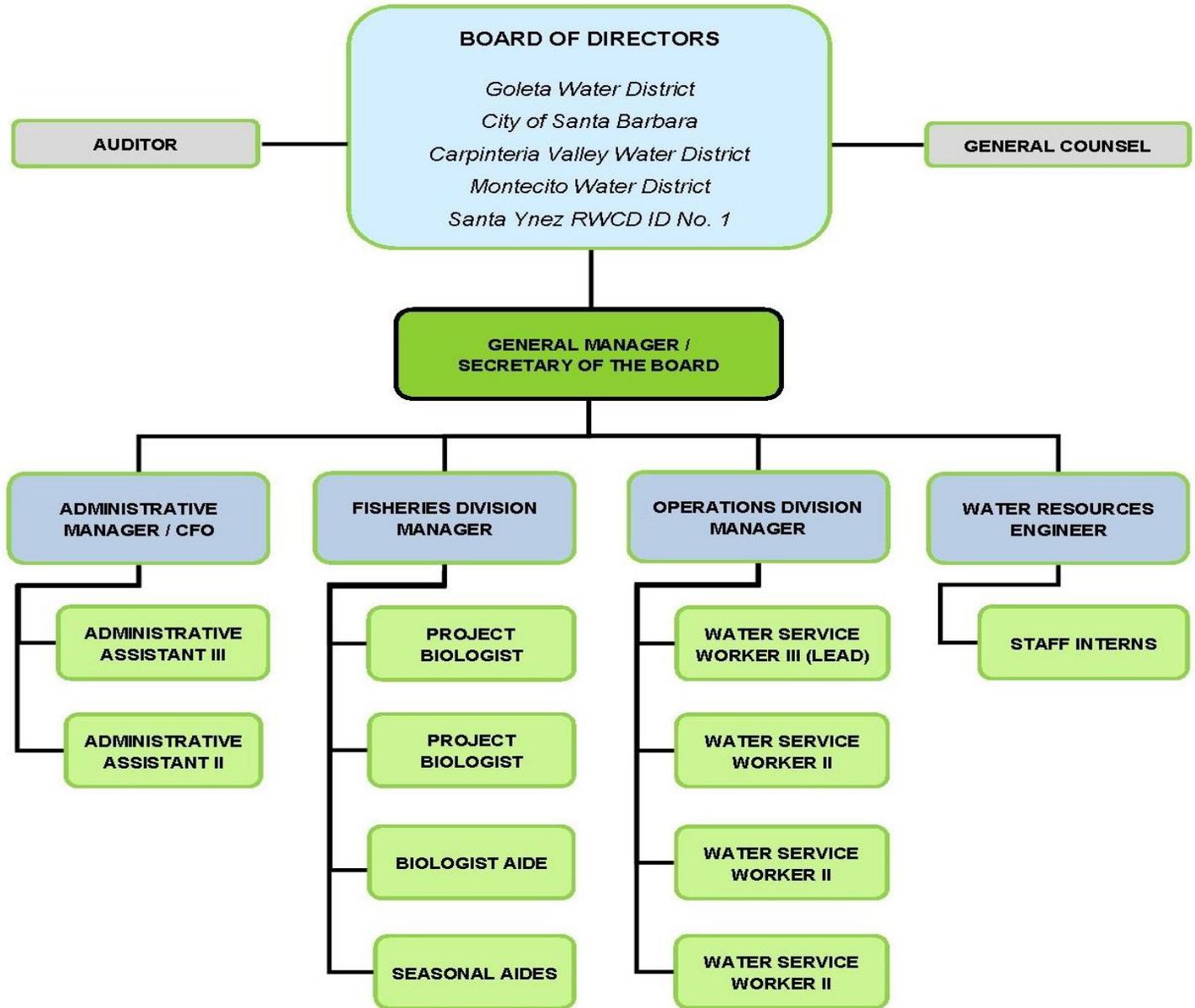
The Cachuma Project was constructed in the early 1950's by the United States Department of the Interior, Bureau of Reclamation (Reclamation) under contract with the Santa Barbara County Water Agency on behalf of the Cachuma Project Member Units. The Member Units consist of the City of Santa Barbara, Goleta Water District, Montecito Water District, Carpinteria Valley Water District, and the Santa Ynez River Water Conservation District, Improvement District No. 1. The Member Units entered into contracts with the Santa Barbara County Water Agency for the purpose of receiving water from the Cachuma Project for the use and benefit of the Member Units. Over the past sixty years, the Project has been the principal water supply for the Upper Santa Ynez Valley and the South Coast communities, delivering an average of approximately 25,000 acre-feet per year.



On January 1, 1957, the Cachuma Operation and Maintenance Board (COMB) was formed as a Joint Powers Authority (JPA) through an agreement organized by the Cachuma Member Units pursuant to the provisions of Articles 1, 2, and 4 of Chapter 5, Division 7, Title 1 of the California Government Code. The JPA agreement was created to provide for the joint exercise of powers by the Member Agencies for the rights to, the facilities of, and the operation, maintenance and use of the United States, Department of the Interior, Bureau of Reclamation project known as the Cachuma Project, including storage, treatment, transport and appurtenant facilities, and all necessary tangible and intangible property and rights. COMB also has the authority for the financing of costs for the capture, development, treatment, storage, transport and delivery of water.

The Governing Board is composed of one publicly elected representative member from each of the governing bodies and is appointed by appropriate action of each governing board to serve on the COMB Board. The appointed Board members are authorized to carry out the provisions of the JPA agreement and any and other agreements entered into by the Governing Board. The Board of Directors are responsible for setting policy on matters such as fiscal management and financial planning, Board administration, infrastructure improvements, and long range planning documents. Day-to-day operations are executed by the General Manager who serves at the pleasure of the Board. The General Manager oversees a staff of 12 full time employees including division managers, certified distribution operators, senior biology staff, a water resources engineer, financial analyst, and administrative personnel.

**ORGANIZATIONAL STRUCTURE**



## CONVEYANCE FACILITIES and OPERATIONS

During the mid-1950's, Reclamation constructed the Cachuma Project for diversion, storage, carriage, and distribution of waters of the Santa Ynez River and its tributaries for irrigation, municipal, industrial, domestic and other beneficial uses. Lake Cachuma and Bradbury Dam is located on the Santa Ynez River approximately 25 miles northwest of Santa Barbara. Water from Lake Cachuma is conveyed to the South Coast Member Units through the Tecolote Tunnel intake tower at the east end of the reservoir. The Tecolote Tunnel extends 6.4 miles through the Santa Ynez Mountains from Lake Cachuma to the headworks of the South Coast Conduit. The South Coast Conduit system is a high pressure concrete pipeline that extends from the Tecolote Tunnel outlet to the Carpinteria area, a distance of over 26 miles, and includes four regulating reservoirs and various appurtenant structures. COMB, through a Transferred Project Works contract, is responsible for operating and maintaining the USBR facilities.

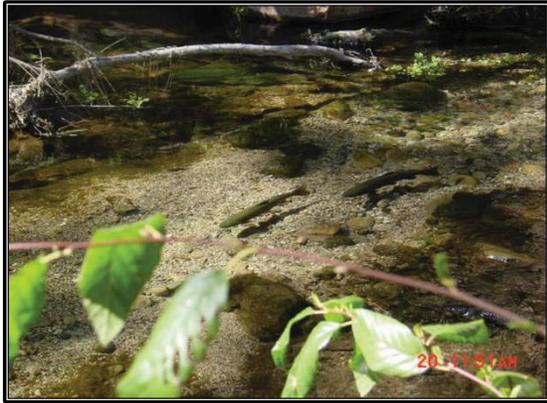
### *Transferred Project Works Contract*

On February 24, 1956, Reclamation, the original Member Units, and the Agency entered into a contract which provided for the transfer of Operation and Maintenance (O&M) of Transferred Project works to the Original Member Units. The O & M contract has been amended by amendatory contracts since that time, one of which was executed with COMB as the contractor. In March 2003, Reclamation entered into a new contract with the Cachuma Operation and Maintenance Board for the operation and care of the transferred project works including the Tecolote Tunnel and the South Coast Conduit system. The contract remains in effect through September 30, 2020.

Water from Lake Cachuma is conveyed to the South Coast Member Units through the Tecolote Tunnel intake tower at the east end of the reservoir. The Tecolote Tunnel extends 6.4 miles through the Santa Ynez Mountains from Lake Cachuma to the western terminus of the South Coast Conduit, a concrete pipeline that extends 26 miles from the Tecolote Tunnel outlet to the Carpinteria Valley Water District. COMB is responsible for diversion of water to the South Coast through the Tecolote Tunnel, and operation and maintenance of the South Coast Conduit pipeline, flow control valves, meters, and instrumentation at control stations, and turnouts along the South Coast Conduit and at four regulating reservoirs. COMB coordinates closely with the Bureau of Reclamation and Member Units' staff to ensure that water supplies meet daily demands. COMB staff reads meters and accounts for Project water deliveries on a monthly basis, and performs repairs and preventative maintenance on Project facilities and equipment. COMB safeguards Project lands and rights-of-way on the South Coast as the contractor for Reclamation. COMB is responsible for issuing Project water production and use reports, operations reports, fisheries reports, and financial and investment reports which track operation and maintenance expenditures.



A Biological Opinion (BO) was issued by the National Marine Fisheries Service (NMFS) in September of 2000 for the U.S. Bureau of Reclamation's operation and maintenance of Bradbury Dam (the Cachuma Project) on the Santa Ynez River in Santa Barbara County, California. NMFS is the agency that oversees protection of Southern California steelhead (*Oncorhynchus mykiss*, *O. mykiss*), and the BO addresses the effects of the proposed Cachuma Project operations on steelhead and its designated critical habitat in accordance



with Section 7 of the Endangered Species Act of 1973. The goal is to provide physical projects and management strategies that will protect, enhance, restore and create new habitat for spawning and rearing of endangered steelhead, while keeping a balance between fish management, other ecological needs, the delivery of adequate water supplies to customers of local water agencies and groundwater recharge. The Fisheries Division staff is responsible for implementing this program of work.

## DROUGHT RESPONSE and MANAGEMENT

Efficient use of water has long been a priority within the Cachuma Service Area. Water purveyors are dependent on local water supplies and have experienced periodic droughts such as the most recent seven year event. During this recent drought, the Member Units dramatically increased their efforts to promote conservation in order to minimize the impact of water shortages on the community. The drought condition has lasted over seven years and is still considered severe at the local and state levels. Though it affected each Member Agency water supply conditions differently, the reductions in Cachuma water supplies had a major impact on water supply management for the South Coast Member Agencies.

During this recent drought, COMB was responsible for the implementation of the Emergency Pumping Facility Project (EPFP) which allowed water to be pumped and conveyed during the time when lake levels were extremely low. After an all-time low capacity of 7% during 2016, Lake Cachuma rebounded to approximately 50% during the February 2017 storms and subsequent inflows. Currently, storage is at approximately 38% as the summer of 2018 approaches. Depending on the upcoming winter, the EPFP may need to be re-installed and utilized to continue conveyance of Cachuma Project and State Project water supplies to the South Coast Member Units.



## FY 2017-18 ACCOMPLISHMENTS

Outlined below are highlights of accomplishments during this past fiscal year.

### Operations Division and Engineering

- Engineering designs and implementation schedule completed for Air Vacuum Air Release Valves / Blow-off Rehabilitation Project – Construction project bid solicited and awarded
- Geotechnical Analysis and Survey Work, Engineering and Designs completed for Sycamore Canyon Slope Stabilization project
- Engineering Designs and Construction Project bid award completed for Lateral 3 Rehabilitation Project
- North Portal Access Road Stabilization Project completed
- Log-boom installed around Intake Tower
- Glen Anne Reservoir drain line replaced
- Assisted City of Santa Barbara with Kria Ionization Project
- Negotiated delay option terms for Emergency Pumping Facility Project
- Responded to Thomas Fire / Debris Flow event with Emergency contract executed for rehabilitation to damaged structures
- Advancement of Lake Cachuma Forecasting Model
- Development of Water Accounting Model
- Daily Lake Cachuma evaporation data analyzed
- Grant submitted for Evaporation Buoy System
- Progress on implementation of Right-of-Way Program

### Fisheries Division

- Biological Opinion Compliance Reporting enhanced with Reclamation
- Grants awarded for two fish passage improvement projects
- Stilling basin non-native fish removal effort completed
- Monitoring, snorkel surveys, redd surveys, water quality data and analysis, and lake profile observation efforts continue
- Lake Cachuma Oak Tree Restoration Program implementation and management actions conducted

### Administrative Division

- First annual Comprehensive Annual Financial Report (CAFR) created and submitted to GFOA
- Audited Financial Statements received an unmodified (“clean”) opinion
- Board Governance / Procurement Policy Development
- CalPERs Classic Members contribution cost share advancement
- Quarterly Financial Reporting initiated
- Receipt of two ACWA/JPIA Presidents Special Recognition Awards for low loss ratio in the Liability and Property Insurance programs
- New website structure developed internally
- Internal organizational efficiencies developed and employed
- Expanded Budget Document initiated
- Continued collaboration with external stakeholders

## FY 2018-19 PRIORITIES

Outlined below are highlights of priorities to be initiated during Fiscal Year 2018-19.

### Operations Division and Engineering

- Emergency Response Plans updated
- Operational and efficiency improvements
- Implementation of approved Infrastructure Improvement Projects
- Staff Professional Development and Training
- Asset Management Plan developed
- Operational Administrative Policies defined
- Secure Grant Funding opportunities
- Safety and Security measures implemented
- Infrastructure Improvement Plan FY 2019-2023 updated and approved

### Fisheries Division

- Continue effective Operational Program of Work
- Improve Reporting Documents and Production schedule
- Secure Grant Funding Opportunities
- Implementation of approved Habitat Improvement Projects
- Staff Professional Development and Training
- Safety and Security measures implemented
- Habitat Improvement Plan FY 2019-2023 updated and approved

### Administrative Division

- CAFR Audit / Budget Planning Document
- Financial and Operational Metric Reporting (Dashboard)
- Continued Development of Policy and Procedures
- Development / Implementation of Transfer Agreement Renewal Process
- Advancement of Water Accounting / Supply and Demand schedules
- Parity Study completed
- Director Handbook adopted
- Employee Handbook completed
- Staff Professional Development and Training
- Website Updated
- Development of Framework for Comprehensive Strategic Planning Process
- Review of USBR deficits

**COMB ANNUAL OPERATING BUDGET AND MANAGED REVENUES**

The development and adoption of an annual budget is based on the Board of Director's financial and operational policies. Its purpose is to maintain fiscal stability by providing a structural balance between revenues and expenditures and to identify programs of work COMB has pledged to support. In addition, the budget provides the financial resources necessary to achieve or advance management strategies and goals. It serves as a financial road map and communication tool describing programs of work, resource requirements, and functions as a guideline in accomplishing our mission in the most efficient, fiscally sustainable manner while ensuring maximum value to our Member Agencies.

Each year, the Board of Directors approves the COMB Operating Budget for the following fiscal year which runs from July 1 through June 30. The Budget provides a framework for effecting policy directives, executing operational plans, and implementing infrastructure improvement projects. Once approved by the Board, management continues to closely monitor projects, expenditures, and revenues throughout the fiscal year to ensure integrity, transparency and quality of operations. The COMB Operating Budget for FY 2018-19 is further detailed in Section IV – COMB Operating Budget (see page 30).

In addition to the annual Operating Budget, COMB collects and manages various other assessments which are considered pass-through revenues and charges. COMB has been granted the authority, by various agreements, for administering the provisions, collection and payment of these revenues including the USBR Entitlement Obligation (USBR Water Rates), the Bradbury and Lauro Safety of Dams (SOD) Repayment Obligations, and the State Water Resource Control Board Water Rights Fee.

COMB is also responsible for managing various federal, state and local grant revenues, as well as, various restricted trust fund accounts to be used for the betterment of the Cachuma Project.

The previous ten fiscal years' COMB Managed Revenues is reflected in Table 1.1.

For FY 2018-19, COMB's projected managed revenues and expenditures total \$10,949,732. A breakdown of this amount is reflected in Table 1.2 and Figure 1.1.

**Table 1.1 – Previous Ten Fiscal Years’ COMB Managed Revenues <sup>(1)</sup>**

| Fiscal Year                | Operating Assessments | USBR Water Rates | SOD Act Repayment | Grant Revenue | WATF/RF/BF Fund <sup>(2)</sup> | Loan Payments EPPF | Water Rights Fee | Total Managed Revenues |
|----------------------------|-----------------------|------------------|-------------------|---------------|--------------------------------|--------------------|------------------|------------------------|
| 2009-10                    | \$ 1,716,277          | \$ 2,605,212     | \$ 196,958        | \$ -          | \$ 369,814                     | \$ -               | \$ 16,580        | \$ 4,904,841           |
| 2010-11 <sup>(3)</sup>     | \$ 2,575,914          | \$ 2,291,540     | \$ 196,958        | \$ -          | \$ 362,700                     | \$ -               | \$ 21,474        | \$ 5,448,586           |
| 2011-12 <sup>(4)</sup>     | \$ 3,153,353          | \$ 2,245,657     | \$ 196,958        | \$ 3,595,540  | \$ 358,094                     | \$ -               | \$ 35,708        | \$ 9,585,310           |
| 2012-13                    | \$ 3,955,261          | \$ 2,418,137     | \$ 196,958        | \$ 1,072,139  | \$ 353,329                     | \$ -               | \$ 35,707        | \$ 8,031,531           |
| 2013-14                    | \$ 4,325,615          | \$ 2,346,421     | \$ 196,958        | \$ 689,076    | \$ 349,467                     | \$ -               | \$ 37,804        | \$ 7,945,341           |
| 2014-15 <sup>(5),(6)</sup> | \$ 5,389,631          | \$ 2,272,353     | \$ 196,958        | \$ 3,637,828  | \$ 363,321                     | \$ -               | \$ 41,300        | \$ 11,901,392          |
| 2015-16                    | \$ 5,556,673          | \$ 977,048       | \$ 196,958        | \$ 705,205    | \$ 661,728                     | \$ -               | \$ 41,300        | \$ 8,138,913           |
| 2016-17                    | \$ 4,415,707          | \$ 1,129,078     | \$ 309,051        | \$ 1,542,476  | \$ 381,178                     | \$ 406,011         | \$ 46,897        | \$ 8,230,397           |
| 2017-18 <sup>(7)</sup>     | \$ 3,827,696          | \$ 1,728,642     | \$ 309,051        | \$ -          | \$ 710,361                     | \$ 463,450         | \$ 48,991        | \$ 7,088,191           |
| 2018-19 <sup>(8),(9)</sup> | \$ 5,012,302          | \$ 2,600,000     | \$ 309,051        | \$ 1,886,408  | \$ 629,521                     | \$ 463,450         | \$ 49,000        | \$ 10,949,732          |

## Notes:

(1) COMB has been granted the authority, by various agreements, for administering the provisions, collection and payment of certain pass-thru revenues including the USBR Entitlement Obligation (USBR Water Rates), the Bradbury and Lauro Safety of Dams (SOD) Repayment Obligations, and the State Water Resource Control Board Water Rights Fee. These pass-thru revenues are not reflected in COMB's audited financial statements.

(2) WATF/RF/BF = Warrant Act Trust Fund / Renewal Fund / Betterment Fund.

(3) In September 2010, the COMB Board approved a budget adjustment effective January 2011 to transfer from Cachuma Conservation and Release Board the implementation of the Santa Ynez River Fisheries Program as required by the 2000 Biological Opinion. All five Member Agencies also fund the Santa Ynez River Fisheries Program and related activities.

(4) FY 2011-12 Grant Revenue includes Proposition 50 grant funds affiliated with the construction of the Modified Upper Reach Reliability Project (\$2.9M) and California Department of Fish and Wildlife grant funds affiliated with Quiota Creek Project (\$700k).

(5) FY 2014-15 Operating Assessments includes \$1.8M paid by the City of Santa Barbara to fund its proportionate share of the Emergency Pumping Facilities Project. The remaining South Coast Member agencies elected to finance their obligation through two notes payable agreements with American Riviera Bank.

(6) FY 2014-15 Grant Revenue includes funding related to Emergency Pumping Facilities Project from various sources: IRWMP, DWR, SWRCB and USBR.

(7) FY 2017-18 Operating Assessments include \$223k of carryover Unexpended Funds.

(8) FY 2018-19 Operating Assessments include proposed \$500k of carryover Unexpended Funds.

(9) FY 2018-19 USBR Water Rates includes projected \$600k of USBR Water Rate Deficits. The Deficit Rates and the allocation thereof are under review by COMB. These variances once reviewed and approved are projected to be spread over a 3-year period.

Table 1.2 – FY 2018-19 COMB Managed Revenues and Expenditures (1), (2)

| Category                                       | Approved<br>FY 2017-18 | Projected Actuals<br>FY 2017-18 | Projected<br>FY 2018-19 |
|------------------------------------------------|------------------------|---------------------------------|-------------------------|
| <b>Revenues:</b>                               |                        |                                 |                         |
| COMB Operating Budget                          | \$ 3,714,682           | \$ 3,604,696                    | \$ 4,512,302            |
| Unexpended Funds                               | 223,000                | 223,000                         | 500,000                 |
| Loan Payments - EPFP                           | 461,736                | 463,450                         | 463,450                 |
| CDFW Grant Funding                             | 893,287                | 0                               | 1,886,408               |
| SB County Contribution                         | 90,000                 | 90,000                          | 90,000                  |
| USBR Water Rates <sup>(3)</sup>                | 1,728,642              | 1,728,642                       | 2,000,000               |
| USBR Water Rate Deficits <sup>(3)</sup>        | 0                      | 0                               | 600,000                 |
| Bradbury SOD Act                               | 261,647                | 261,647                         | 261,647                 |
| Lauro SOD Act                                  | 47,404                 | 47,404                          | 47,404                  |
| Renewal Fund                                   | 0                      | 0                               | 0                       |
| Warren Act Trust Fund                          | 620,361                | 620,361                         | 539,521                 |
| Water Rights Fee                               | 48,991                 | 48,991                          | 49,000                  |
| <b>Total Managed Revenues:</b>                 | <b>\$ 8,089,750</b>    | <b>\$ 7,088,191</b>             | <b>\$ 10,949,732</b>    |
| <b>Expenditures:</b>                           |                        |                                 |                         |
| <b>Contracts/Agreements</b>                    |                        |                                 |                         |
| U.S. Bureau of Reclamation                     | 1,728,642              | 1,728,642                       | \$ 2,600,000            |
| Bradbury SOD Act Repayment                     | 261,647                | 261,647                         | 261,647                 |
| Lauro SOD Act Repayment                        | 47,404                 | 47,404                          | 47,404                  |
| Water Rights Fee                               | 48,991                 | 48,991                          | 49,000                  |
| <b>Subtotal:</b>                               | <b>\$ 2,086,684</b>    | <b>\$ 2,086,684</b>             | <b>\$ 2,958,051</b>     |
| <b>Personnel</b>                               |                        |                                 |                         |
| Operations Division                            | 789,108                | 638,866                         | \$ 813,247              |
| Fisheries Division                             | 683,374                | 667,653                         | 692,409                 |
| Administrative Division                        | 793,839                | 712,209                         | 832,180                 |
| <b>Subtotal:</b>                               | <b>\$ 2,266,321</b>    | <b>\$ 2,018,728</b>             | <b>\$ 2,337,836</b>     |
| <b>Operation and Maintenance</b>               |                        |                                 |                         |
| Operations Division                            | 273,000                | 265,417                         | \$ 288,500              |
| Fisheries Division                             | 70,000                 | 75,364                          | 71,000                  |
| <b>Subtotal:</b>                               | <b>\$ 343,000</b>      | <b>\$ 340,781</b>               | <b>\$ 359,500</b>       |
| <b>General and Administrative</b>              |                        |                                 |                         |
| Operations Division                            | 242,713                | 168,242                         | \$ 250,083              |
| Fisheries Division                             | 103,296                | 129,361                         | 114,416                 |
| <b>Subtotal:</b>                               | <b>\$ 346,009</b>      | <b>\$ 297,603</b>               | <b>\$ 364,499</b>       |
| <b>Infrastructure and Improvement Projects</b> |                        |                                 |                         |
| Infrastructure Improvement Projects            | 1,020,000              | 603,895                         | \$ 1,469,400            |
| Special Projects                               | 223,000                | 200,000                         | 647,000                 |
| Habitat Improvement Projects                   | 1,150,000              | 230,714                         | 2,173,996               |
| Program Support Services                       | 193,000                | 183,833                         | 176,000                 |
| <b>Subtotal:</b>                               | <b>\$ 2,586,000</b>    | <b>\$ 1,218,442</b>             | <b>\$ 4,466,396</b>     |
| <b>Total Expenditures before Debt:</b>         | <b>\$ 7,628,014</b>    | <b>\$ 5,962,238</b>             | <b>\$ 10,486,282</b>    |
| Debt Service - American Riviera Bank           | 461,736                | 463,450                         | 463,450                 |
| <b>Total Expenditures:</b>                     | <b>\$ 8,089,750</b>    | <b>\$ 6,425,688</b>             | <b>\$ 10,949,732</b>    |
| Estimated Unexpended Funds                     | \$ -                   | \$ 662,503                      | \$ -                    |
| Estimated Unexpended Funds to be Carried Over  |                        | 500,000                         |                         |
| Estimated Unexpended Funds to be Returned      |                        | <u>\$ 162,503</u>               |                         |

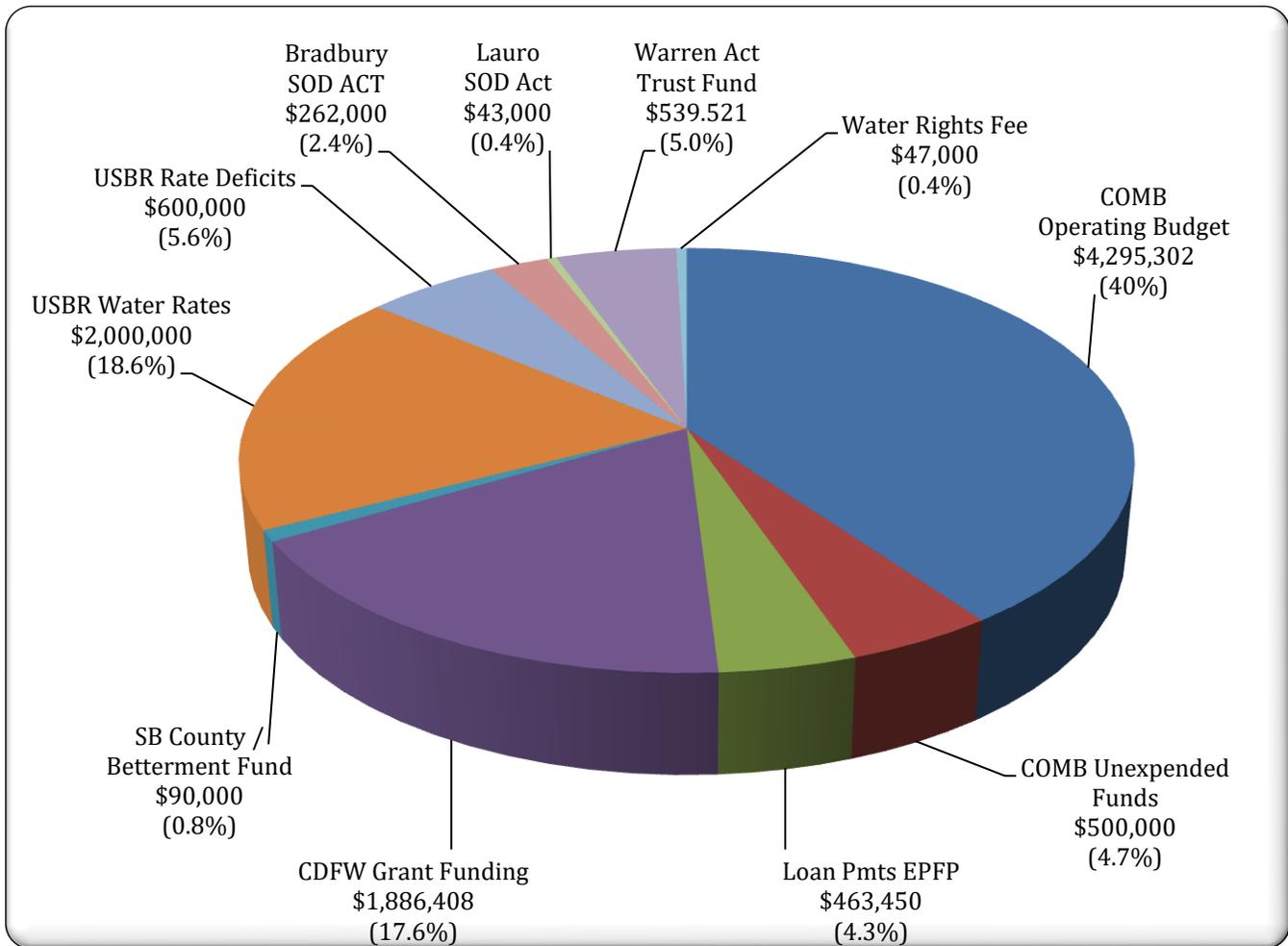
**Footnotes**

(1) Consolidated schedule including COMB annual Operating Budget and Contractual Obligations managed by COMB.

(2) COMB Board adopts the annual Operating Budget.

(3) The USBR Water Rates and Water Rate Deficit are under review by COMB. The Deficit Rates, and the allocation thereof, once reviewed and approved are projected to be spread over a 3-year period.

Figure 1.1 – FY 2018-19 COMB Managed Revenues



**PROJECTED OBLIGATION BY CACHUMA PROJECT MEMBER AGENCY**

The COMB Operating Budget and pass-through revenues and charges are funded by assessments from the Cachuma Project Member Agencies. Amounts are allocated based on various contractual agreements or approved methodologies. The projected obligation for FY 2018-19 is reflected in Table 1.3

**Table 1.3 – Projected Obligation by Cachuma Project Member Agency – FY 2018-19**

|                                             | GWD                 | City of SB          | CVWD                | MWD                 | SYRWCD<br>ID No.1 | Totals               |
|---------------------------------------------|---------------------|---------------------|---------------------|---------------------|-------------------|----------------------|
| COMB Gross Operating Budget                 | \$ 2,886,109        | \$ 2,562,791        | \$ 873,862          | \$ 823,872          | \$ 381,598        | \$ 7,528,231         |
| USBR O&M Costs <sup>(1)</sup>               | 725,000             | 643,800             | 218,800             | 206,200             | 206,200           | 2,000,000            |
| USBR Deficits - FY 2015-2017 <sup>(2)</sup> | 201,000             | 190,000             | 60,000              | 57,000              | 92,000            | 600,000              |
| Bradbury SOD Act                            | 94,847              | 84,224              | 28,624              | 26,976              | 26,976            | 261,647              |
| Lauro SOD Act                               | 19,159              | 17,013              | 5,782               | 5,449               | -                 | 47,404               |
| Water Rights Fee                            | 17,900              | 15,900              | 5,400               | 5,100               | 4,700             | 49,000               |
| EPFP Loan Assessment                        | 360,461             | -                   | -                   | 102,989             | -                 | 463,450              |
| <b>Total Gross Obligation</b>               | <b>\$ 4,304,476</b> | <b>\$ 3,513,728</b> | <b>\$ 1,192,468</b> | <b>\$ 1,227,586</b> | <b>\$ 711,473</b> | <b>\$ 10,949,732</b> |
| Less Offsetting Revenues:                   |                     |                     |                     |                     |                   |                      |
| Warren Act Trust Fund                       | \$ (195,576)        | \$ (173,672)        | \$ (59,024)         | \$ (55,625)         | \$ (55,625)       | (539,521)            |
| County Betterment Fund                      | (32,625)            | (28,971)            | (9,846)             | (9,279)             | (9,279)           | (90,000)             |
| CDFW Grant Funding                          | (683,823)           | (607,235)           | (206,373)           | (194,489)           | (194,489)         | (1,886,408)          |
| Projected Unexpended Funds                  | (202,100)           | (179,400)           | (61,000)            | (57,500)            | -                 | (500,000)            |
| <b>Total Offsetting Revenues</b>            | <b>(1,114,124)</b>  | <b>(989,278)</b>    | <b>(336,243)</b>    | <b>(316,892)</b>    | <b>(259,392)</b>  | <b>(3,015,929)</b>   |
| <b>Total Net Obligation</b>                 | <b>\$ 3,190,352</b> | <b>\$ 2,524,451</b> | <b>\$ 856,225</b>   | <b>\$ 910,694</b>   | <b>\$ 452,081</b> | <b>7,933,803</b>     |

## Notes:

(1) Based on preliminary verbal estimate received from USBR. Projected amount includes installment payment for Extraordinary O&M Costs (\$420K) related to the replacement of the 30" cone valves on Bradbury Dam (Total Cost - \$1.2M) amortized over a 3-year period.

(2) The Deficit Rates and the allocation thereof are under review by COMB. These variances once reviewed and approved are projected to be spread over a 3-year period.

## SECTION II - COMB MANAGED REVENUES

### COMB OPERATING BUDGET

COMB operates under an annual Operating budget which is adopted by the Board of Directors in accordance with established short and long term financial plans. The proposed COMB Operating budget reflects projected operating expenses for the COMB Operations Division, the Fisheries Division and General and Administrative expenses.

The budget may be amended throughout the year by Board action. This process involves a request by staff to the Board for additional funding. The Board considers the request of staff at a public meeting and approves or rejects such requests by motion and majority vote of the Board.

**Table 2.1**  
**Member Agencies Entitlement Percentages**

Current operations of COMB are funded by assessments from the Member Agencies, with the assessments based on the Member Agencies' Cachuma Project entitlement percentages. Four of the Member Agencies, not including Santa Ynez River Water Conservation District, Improvement District No. 1, fund the operation and maintenance portion of the annual budget as well as the cost of special projects for other Cachuma Project storage and

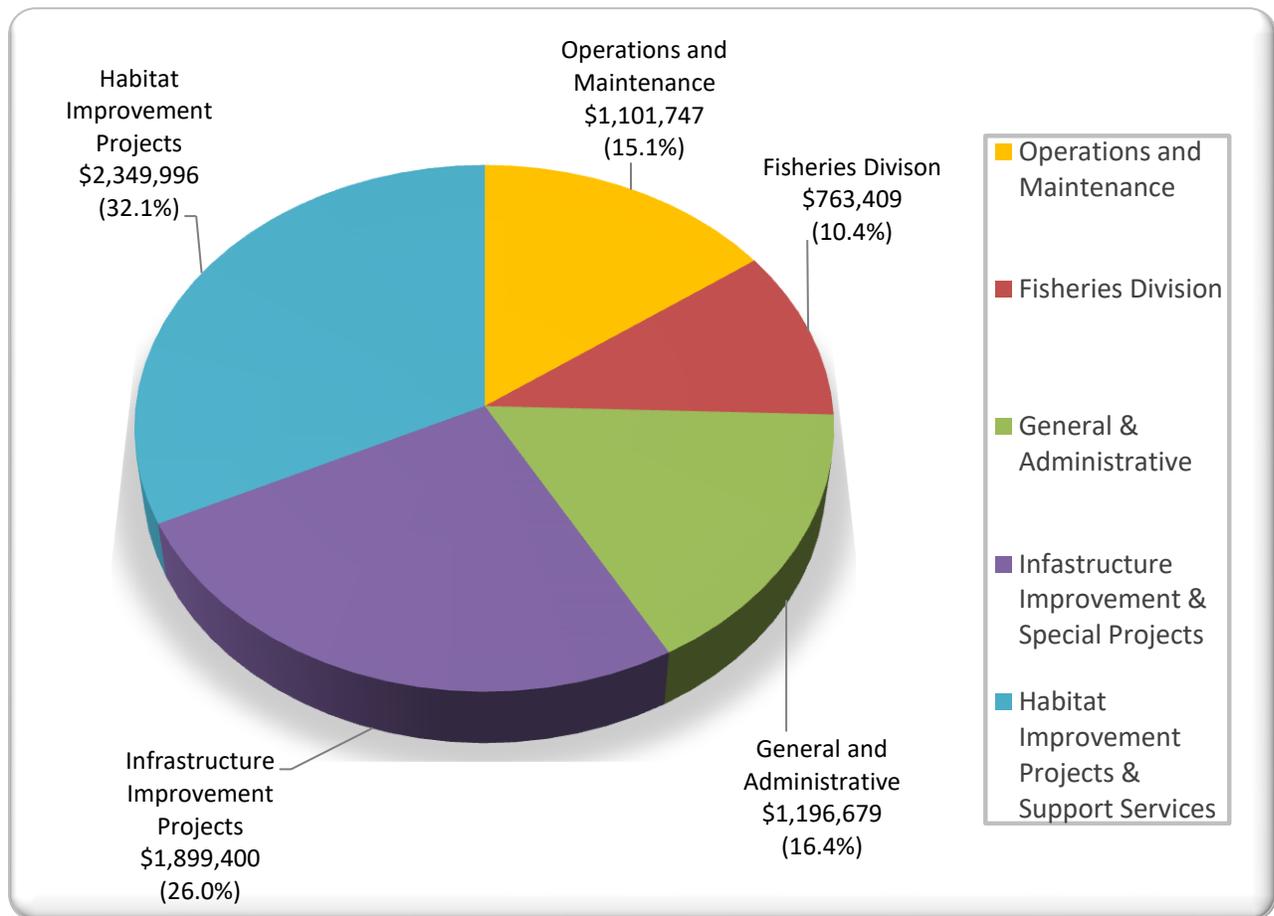
| Member Unit              | Entitlement Percentage |
|--------------------------|------------------------|
| Goleta Water District    | 36.25 %                |
| City of Santa Barbara    | 32.19 %                |
| Carpinteria Valley WD    | 10.94 %                |
| Montecito Water District | 10.31 %                |
| Santa Ynez RWCD ID No. 1 | 10.31 %                |
| <b>Total</b>             | <b>100.00%</b>         |

conveyance facilities that serve the South Coast of Santa Barbara County. These facilities include the Tecolote Tunnel, the South Coast Conduit (SCC), and four reservoirs (Glen Annie, Lauro, Ortega and Carpinteria). During the fiscal year ended June 30, 2018, COMB conducted and/or completed a number of special studies and projects using revenue provided by these assessments. These included the storage of key components of the Emergency Pumping Facility, SCC improvements; and rehabilitation and betterment of control stations, valves and structures.

In September 2010, the Cachuma Operation and Maintenance Board approved a budget adjustment effective January 2011 to transfer from the Cachuma Conservation Release Board (CCRB) the implementation of the Santa Ynez River Fisheries Program of work as required by the 2000 Biological Opinion. All five Member Agencies fund the Santa Ynez River Fisheries Program and related activities.

On May 27, 2016, Santa Ynez River Water Conservation District, Improvement District No. 1 notified the COMB Board of its stated intent to withdraw from the Agreement. The COMB Governing Board is currently considering possible courses of action to address the stated withdrawal from the Agreement.

The total COMB gross Operating budget, not including pass-thru expenditures, for FY 2018-19 is \$7,528,231 and is further broken down by major category in Figure 2.1

**Figure 2.1 – FY 2018-19 Operating Budget by Division**

The primary budgetary objective is to provide the highest possible level of service to the Cachuma Project Members. Continual efforts are made to improve productivity, lower costs, and enhance services. COMB staff evaluates and selects current year infrastructure improvements and special projects based on the following criteria: water supply reliability, risk, critical need, safety and service disruption.

Projects may vary by year depending on external and uncontrolled factors such as ongoing drought conditions, lake elevation and natural disasters (i.e. fire, significant rain events, debris flow, etc.). The COMB budget history for the previous ten fiscal years is outlined in Table 2.2 on the following page.

**Table 2.2 – Previous Ten Fiscal Years’ Operating Budget History**

| Fiscal Year | Operations and Maintenance | Fisheries Division | General and Admin | Infrastructure Improvement & Special Projects | Habitat Improvement Projects & Support | Total       |
|-------------|----------------------------|--------------------|-------------------|-----------------------------------------------|----------------------------------------|-------------|
| 2009-10     | \$1,199,401                | \$0                | \$641,326         | \$425,000                                     | \$0                                    | \$2,265,727 |
| 2010-11     | \$1,035,762                | \$658,208          | \$1,041,126       | \$307,500                                     | \$594,000                              | \$3,636,596 |
| 2011-12     | \$1,082,717                | \$497,162          | \$1,061,863       | \$1,627,175                                   | \$1,153,001                            | \$5,421,918 |
| 2012-13     | \$1,033,944                | \$501,193          | \$1,103,289       | \$3,349,500                                   | \$1,167,000                            | \$7,154,926 |
| 2013-14     | \$1,032,947                | \$635,559          | \$1,205,754       | \$481,270                                     | \$1,088,000                            | \$4,443,530 |
| 2014-15     | \$1,059,736                | \$634,641          | \$1,315,450       | \$5,454,000                                   | \$447,000                              | \$8,910,827 |
| 2015-16     | \$1,100,197                | \$632,994          | \$1,234,251       | \$3,689,250                                   | \$2,132,000                            | \$8,788,693 |
| 2016-17     | \$1,097,375                | \$691,118          | \$1,082,056       | \$2,561,250                                   | \$2,283,000                            | \$7,714,799 |
| 2017-18     | \$1,062,108                | \$753,374          | \$1,139,848       | \$1,020,000                                   | \$1,343,000                            | \$5,318,330 |
| 2018-19     | \$1,101,747                | \$763,409          | \$1,196,679       | \$2,116,400                                   | \$2,349,996                            | \$7,528,231 |

At the close of each fiscal year, COMB staff prepares a reconciliation comparing actual operating expenditures for COMB to the amount assessed and collected from the Cachuma Project Members. Any unexpended funds are reviewed and presented to the COMB Board for (1) potential carry-over purposes to be applied against the next fiscal year’s infrastructure improvement projects, or (2) reimbursement to the Cachuma Project Members.

### USBR WATER RATES

COMB is responsible for administering provisions of the Water Rates Agreement for the Cachuma Project. This includes calculating and distributing bills and assessments for water; administering payments from the Cachuma Member Units to the United States pursuant to the provisions of the Master Contract, the Cachuma Member Unit water supply contracts with Santa Barbara County Water Agency and the water rates agreement. COMB is required to make payment directly to the United States to satisfy those agreements.

The water rates are developed annually by the rate-setting branch of Reclamation (Regional Office) located in Sacramento and are based on projected Operating and Maintenance (O&M) costs for the upcoming water year. The South-Central California (Fresno) Area Office is responsible for providing the Regional Office estimated budgets and projected O&M costs pertaining to the Cachuma Project for formulation of the water rates.



**Cachuma Project Construction**

The total projected water rates for FY 2018-19 (\$2M), include an installment payment for extraordinary O&M costs (\$420K) related to the replacement of two 30” cone valves located in the outlet works on Bradbury Dam. The total cost for this item (\$1.2M) has been amortized over a 3-year period.

### USBR WATER RATE DEFICITS

USBR Water Rate Deficits occur due to a deficiency in revenues (USBR projected budget) compared to actual operational and any extraordinary costs for a particular fiscal year. Reclamation reported a deficit total of \$426,864 for FY 2015 and a deficit total of \$1,003,523 for FY 2016. It is estimated that a deficit will mostly likely occur in FY 2017 based on preliminary discussions with Reclamation. The FY 2017 deficit will be reported with the WY 2018-19 Water Rate calculations. The Deficit Rates and the allocation thereof are under review by COMB. These variances once reviewed and approved are projected to be spread over a 3-year period.

### GRANT FUNDING

**Funding from CDFW-FRGP grants will cover approximately 86% of the estimated construction costs of two fish improvement projects in FY 2018-19.**

COMB has developed a grant program by utilizing a team of staff members to write proposals, administer grants and carry out grant contracts.

In 2017, the COMB Fisheries Division applied for and received a federal grant award from the California Department Fish and Wildlife (CDFW)-Fisheries Restoration Grant Program (FRGP) in the amount of \$893,287. Funds will be applied towards the fish passage improvement at Crossing Number 5 on Quiota Creek, a tributary to the lower Santa Ynez River.

In 2018, the COMB Fisheries Division also applied for and received a second federal grant award from CDFW-FRGP in the amount of \$993,121. Funds will be applied towards the fish passage improvement at Crossing Number 9 on Quiota Creek, a tributary to the lower Santa Ynez River. Both projects will provide improved access to the perennial reaches of Quiota Creek and restore habitat to enhance conditions for steelhead.

Construction is scheduled to begin in late summer/fall 2018.

### WARREN ACT TRUST FUND / RENEWAL 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 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 State Water Project (SWP) water to Cachuma Reservoir. CCWA makes quarterly payments to COMB based on the prior quarter’s water deliveries to the lake.

Item #6 Exhibit #2

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The Renewal Fund is a requirement of the 1995 Renewal Master Contract (Contract No. I75r-1802R between the United States and Santa Barbara County Water Agency) entered into for water conveyance from the Cachuma Project to the five Cachuma Project Member Units, 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 prolonged drought has required the Cachuma Project Members to deliver increased supplies of State Water Project water into the lake during calendar years 2016 - 2018.**

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 Warrant Act Trust Fund during the immediately preceding Calendar Year bears to \$300,000.

For WY 2017-18 and projected WY 2018-19, the amount required to be deposited into the Renewal Fund by the Cachuma Member Units is zero based on the fact that the amount of funds deposited into the Warren Act Trust Fund exceeded the calculation threshold.

The annual meeting of the Cachuma Project Warren Act Trust Fund / Renewal Fund (Funds Committee), and County Betterment Fund was conducted on April 5, 2018 and a second meeting was held on May 14, 2018. The Funds Committee met to discuss the Annual and Long Term Plan prepared as outlined in the Master Renewal Contract document. The Cachuma Project Trust Fund Revenues collected for calendar year 2017 totaled \$539,521 based on 12,547 AF of State Water delivered to the lake during the year.

The participating Committee members discussed and subsequently voted and agreed to apply the Warren Act Trust Fund monies for program expenditures and activities related to the Fisheries Program during Fiscal Year 2018-19 as outlined in Table 2.3 below.

**Table 2.3 – Warren Act Trust Fund Program Expenditures - FY 2018-19**

| Category                                              | Amount           |
|-------------------------------------------------------|------------------|
| Steelhead Enhancement Project (Quiota Creek Crossing) | \$175,000        |
| Genetic analyses of LSYR O. Mykiss tissue samples     | \$ 15,000        |
| Oak Tree Restoration Program                          | \$ 50,000        |
| Watershed protection                                  | \$ 30,000        |
| General fisheries program work                        | \$284,521        |
| <b>Total</b>                                          | <b>\$539,521</b> |

### BRADBURY DAM / LAURO DAM SAFETY OF DAMS (SOD) ACT REPAYMENT CONTRACTS

Under the terms and conditions of a repayment contract executed in 2002, COMB is responsible for payment to the United States for 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 2018-19 is \$261,647 with assessments collected from the Member in accordance with each Member Agencies' Cachuma Project entitlement percentages.



Cachuma Lake Bradbury Dam

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 2018-19 is \$47,404 and assessments are collected from the South Coast Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

### LOAN PAYMENTS - EPFP

During fiscal year ending 2015, COMB contracted for the construction of the Emergency Pumping Facilities Project 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 Coast Member Agencies agreed to finance their proportionate share through a commercial financing arrangement with the Bank of Santa Barbara, who merged with American Riviera Bank during 2016.



Emergency Pumping Facilities Barge

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 of costs through quarterly assessments.

While COMB secured the financing for 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.

### BETTERMENT FUND

Article 8 (b) of the Cachuma Project Member Unit contracts with Santa Barbara County Water Agency requires the County Water Agency to provide \$100,000 annually for beneficial purposes consistent with the Water Agency Act and within the Santa Ynez River watershed or the Cachuma Project service area. All decisions relating to the expenditure of such funds must be agreed to by both the County Water Agency and the Cachuma Member Agency Representative, acting by unanimous vote. Consistent with past years, COMB will receive \$90,000 to be used for the Santa Ynez River stream gauge program. The use of funds for FY 2018-19 is reflected in Table 2.4 below.

**Table 2.4 – Betterment Fund Expenditures – FY 2018-19**

| <b>Program</b>                                        | <b>Amount</b>     |
|-------------------------------------------------------|-------------------|
| USGS Stream Gauging Program (COMB Fisheries Division) | \$ 90,000         |
| USGS Stream Gauging Program (County of SB)            | \$ 10,000         |
| <b>Total</b>                                          | <b>\$ 100,000</b> |

### WATER RIGHTS FEE

Effective January 1, 2004, the Water Code was amended to require the State Water Board to adopt emergency regulations revising and establishing water right and water quality certification fees to be deposited in the Water Rights Fund in the State Treasury. Since then, the State Water Board has charged annual water right fees. The Water Code authorizes the State Water Board to periodically adjust the fees and requires the State Water Board to revise the fee schedule each fiscal year as necessary to conform to the revenue levels set forth in the annual Budget Act.

COMB is responsible for the assessment and payment of the water right fee on behalf of the Cachuma Project Members. Assessments are made according to the Cachuma Project entitlement percentages with all five Member Units being responsible for the Santa Ynez River Permit fees and the four South Coast Member Units being responsible for the Lauro Creek and W. Glen Anne Creek fees.

The projected cost for FY 2018-19 is \$49,000.

## POTENTIAL REVENUE OPPORTUNITIES

### *Integrated Regional Water Management Program (IRWMP)*

Beginning in September 2006, the Santa Barbara County Water Agency has worked with a County-wide group of approximately 29 cooperating partners including cities, special districts, water companies, joint powers authorities, and Non-Governmental Organizations (NGOs) to develop the first Integrated Regional Water Management (“IRWM”) Plan (completed in May 2007). The plan was updated in 2013 and another plan update is expected this year in response to DWR’s 2016 IRWM Guidelines.



The Water Agency acts as the single eligible grant recipient responsible for administration of the IRWM Grants. In accordance with the Memorandum of Understanding (MOU) and sub-grant agreements between the Water Agency and project proponents, the Water Agency functions as a pass through agency between the State and proponents. The Water Agency is responsible for organizing and forwarding the required project reporting information to the State and to review and submit claims to the State from each project proponent. Project proponents are then reimbursed once funding is received from the State.

On November 4, 2014, California voters approved Proposition 1, the Water Quality, Supply, and Infrastructure Improvement Act of 2014. The Proposition 1 Integrated Regional Water Management Grant Program, administered by Department of Water Resources (“DWR”), provides funding for projects that:

- Help water infrastructure systems adapt to climate change,
- Provide regional water self-reliance and water supply reliability, and
- Provide incentives for collaboration to manage water resources and set regional priorities for water infrastructure.

Proposition 1 authorized the statewide appropriation of \$510 million in IRWM funding for Implementation, Planning, and Disadvantaged Community Involvement efforts. Six (6) regions within the Central Coast Funding Area (“CCFA”) have been allocated a total of \$43 million over the expected appropriation rounds (FY 2017/18 and FY 2019/20) including Santa Barbara County. The Santa Barbara IRWM Region expects to receive approximately \$6.3 million in Proposition 1 Project Implementation Round funding in FY 2018/19 or FY 2019/20.

### *Other Revenue Sources*

COMB staff is actively engaged to identify other sources of funding opportunities in an effort to lessen the financial burden on its member agencies. Other revenue sources include grant funding (USBR WaterSmart Grant and CDFW) and low interest debt financing (American Riviera Bank, State Revolving Fund Program, Water Infrastructure Act).

## SECTION III – EXPENDITURES

COMB expenditures are comprised of costs associated with personnel, operations and maintenance, general and administrative, and infrastructure and habitat improvement projects.

Staff assignments and project implementation are reviewed by the General Manager and the Division Managers to control costs and to provide the highest possible level of service to the Cachuma Project Members. Projects may vary by year depending on financial and operational constraints. Additionally, external and uncontrolled factors such as ongoing drought conditions, lake elevation and natural disasters (i.e. fire, significant rain events, debris flow, etc.) can have an impact on project implementation.

COMB has developed a comprehensive five-year Infrastructure Improvement Plan and Habitat Improvement Plan which is presented to the Board of Directors on an annual basis for receipt and file. Board policy requires that all projects are to be approved through Committee and by the Board prior to commencement.

### PERSONNEL

Recruitment, professional development and employee retention are considered to be key factors by COMB in order to achieve its short and long term goals and objectives. The General Manager oversees a staff of 12 full time employees including three division managers, certified distribution operators, senior biology staff, a water resources engineer, and administrative personnel.

Personnel costs in FY 2018-19 are projected to total \$2.34 million, a 3.2% increase as compared to FY 2017-18. The increase is primarily attributed to a 2.56% COLA adjustment for all employees per the historical annual calculation which is based on the March Consumer Price Index (CPI) data each year. The COLA adjustment is obtained by averaging the prior thirteen months indexes for all urban consumers and comparing that average to the previous year averaged data. The U.S. City and the Los Angeles-Riverside data is averaged together to obtain the percentage COLA for the period. Table 3.1 and Figure 3.1 provides a breakdown of the individual components of the projected Personnel costs for FY 2018-19 as compared to FY 2017-18.

COMB participates in the California Public Employees' Retirement System. On January 1, 2013, the Public Employees' Pension Reform Act of 2013 (PEPRA) took effect. PEPRA limited pension benefits offered to new employees and increased the cost sharing between new employees and public employers. All employees hired after January 2013 who are not classified as "classic" members will contribute 6.25% of the CalPERS retirement premium. Starting July 1<sup>st</sup> 2017, all employees hired before July 1, 2017 (and who are "Classic" employees as defined by CalPERS) began contributing towards their employee member contribution under a five year phased-in method. For fiscal year 2018-19, the classic member contribution rate is set at 2.8%.

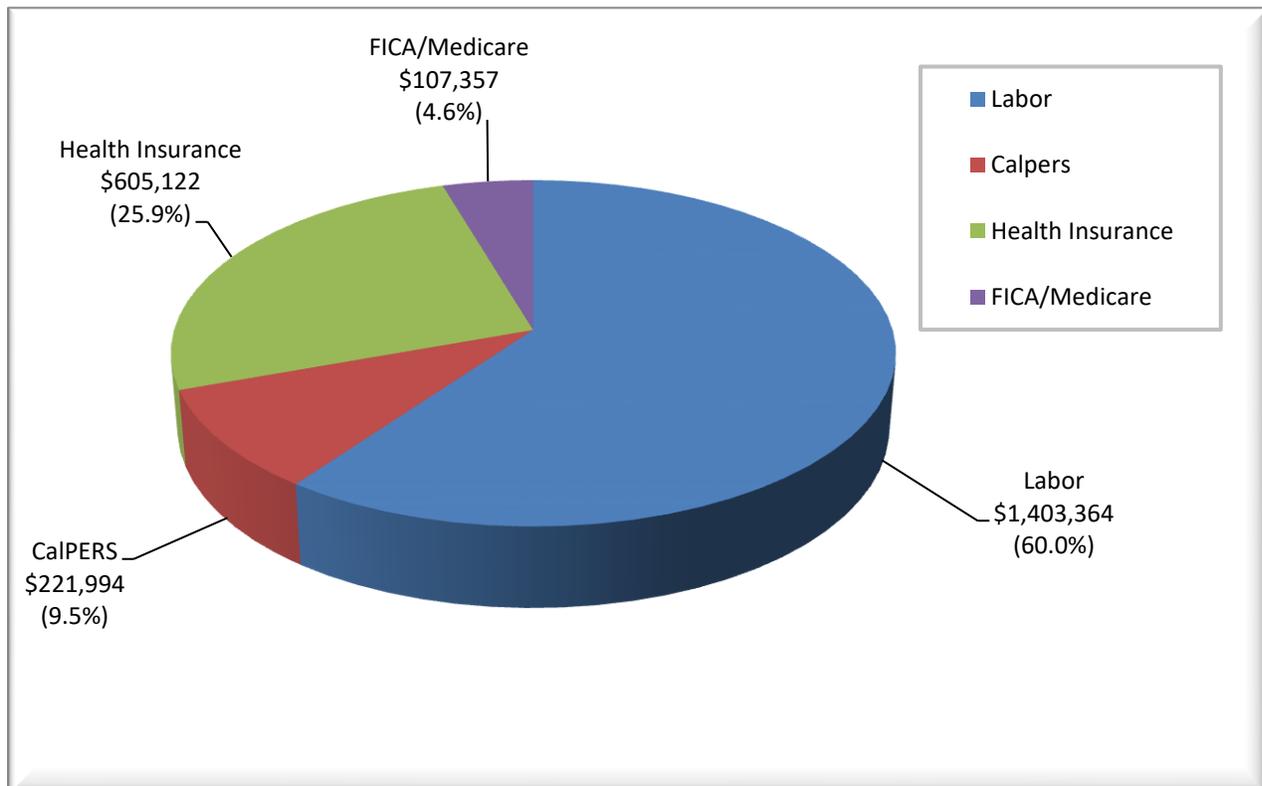
COMB also offers health insurance (medical, dental, vision & life), employee assistance program (EAP) and workers’ compensation through the Association of California Water Agencies Joint Powers Insurance Authority (ACWA/JPIA). ACWA/JPIA is dedicated to providing the broadest possible affordable insurance coverage and related services to its member agencies. Active and retiree health insurance premiums for FY 2018-19 reflect an 8% increase effective January 2019 as projected by ACWA/JPIA.

**Table 3.1 – FY 2018-19 Budgeted Personnel Costs**

| Category        | Approved Budget<br>FY 2017-18 | Estimated Actual<br>FY 2017-18 | Proposed Draft Budget<br>FY 2018-19 | Variance Analysis (*) |                    |
|-----------------|-------------------------------|--------------------------------|-------------------------------------|-----------------------|--------------------|
|                 |                               |                                |                                     | \$ Higher / (Lower)   | % Higher / (Lower) |
| Labor           | \$ 1,353,023                  | \$1,236,233                    | \$ 1,403,364                        | \$ 50,341             | 3.7%               |
| CalPERS         | 229,864                       | 211,211                        | 221,994                             | (7,871)               | (3.4%)             |
| Health Ins / WC | 579,929                       | 476,592                        | 605,122                             | 25,193                | 4.3%               |
| FICA/Medicare   | 103,506                       | 94,691                         | 107,357                             | 3,851                 | 3.7%               |
| <b>Total</b>    | <b>\$ 2,266,322</b>           | <b>\$2,018,728</b>             | <b>\$ 2,337,836</b>                 | <b>\$ 71,515</b>      | <b>3.2%</b>        |

(\*) Compares FY 2018-19 Adopted Budget to FY 2017-18 Adopted Budget

**Figure 3.1 – FY 2018-19 Personnel Costs by Category**



## OPERATIONS & MAINTENANCE

COMB Operations are comprised of two divisions: Operations and Fisheries.

COMB's Operations Division is responsible for diversion of water from Lake Cachuma located in the Santa Ynez Valley to the South Coast of Santa Barbara County through the Tecolote Tunnel. In addition, the Operations Division responsibilities include operation and maintenance of the 26-mile South Coast Conduit conveyance pipeline, flow control valves, meters, instrumentation at control stations, turnouts and appurtenant structures along the South Coast Conduit and at four regulating reservoirs. COMB coordinates closely with the Bureau of Reclamation and Member Agency staff to ensure that water supplies meet daily demands.



COMB's Fisheries Division is responsible for implementation of the 2000 Biological Opinion and Fish Management Plan related to the Cachuma Project on the Santa Ynez River in Santa Barbara, California. These activities include ongoing scientific studies along the river, monitoring and recording changing conditions, and implementation of fish passage improvements as outlined in the 2000 Biological Opinion. The National Marine

Fisheries Services (NMFS) is the agency that oversees protection of Southern California steelhead (*Oncorhynchus mykiss*).

Operation and Maintenance expenditures needed to support COMB's two divisions include Vehicles & Equipment, Contract Labor, Materials & Supplies and Other Expenses. Projects and staff assignments are reviewed by the General Manager and Operations Division Manager to control costs in this category. Table 3.2 includes a brief description of expenditures for each O&M category.

Operation and Maintenance expenditures in FY 2018-19 are projected to total \$359.5K, a 4.8% increase as compared to FY 2017-18. The Vehicles and Equipment line reflects a \$15K increase, as reflected in Table 3.3, to cover the purchase of a new on-call service vehicle for the Operations Division in accordance with COMB's vehicle replacement criteria which is based on the year of the vehicle, total mileage and the condition using Kelley Blue Book standards.

Table 3.2 – Operation and Maintenance Expenditures

| Category               | Operations                                                                                                                                                                                                                                                                      | Fisheries                                                                                                                                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vehicles & Equipment   | Contains funds for outside<br>Includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs.                                                                                                                            | Includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs.                                                                                                                                                            |
| Contract Labor         | Contains funds for outside services and labor that cannot be supported by COMB staff which may include elevator repair, tree trimming and removal services, heavy equipment and operators' labor costs for various small projects including meter calibration and meter repair. | 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.                                              |
| Materials and Supplies | Covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads.                                                                                                                                                             | Includes costs for the purchase of items needed for the Fisheries Monitoring Program specifically monitoring for migration, spawning and over-summering such as constructing and repairing fish migration traps and the equipment necessary to conduct snorkel and redds surveys. |
| 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.                                                            | Includes funds to pay for uniforms and personal protective gear for the fisheries division employees.                                                                                                                                                                             |

**Table 3.3 – FY 2018-19 Operation & Maintenance Costs**

| Category             | Adopted Budget<br>FY 2017-18 | Estimated Actual<br>FY 2017-18 | Proposed Draft Budget<br>FY 2018-19 | Variance Analysis (*)  |                       |
|----------------------|------------------------------|--------------------------------|-------------------------------------|------------------------|-----------------------|
|                      |                              |                                |                                     | \$ Higher /<br>(Lower) | % Higher /<br>(Lower) |
| Vehicles & Equip     | \$87,500                     | \$119,812                      | \$102,500                           | \$15,000               | 17.1%                 |
| Contract Labor       | 123,000                      | 101,399                        | 123,000                             | 0                      | 0.0%                  |
| Materials & Supplies | 85,000                       | 76,559                         | 85,000                              | 0                      | 0.0%                  |
| Other Expenses       | 47,500                       | 43,011                         | 49,000                              | 1,500                  | 3.2%                  |
| <b>Total</b>         | <b>\$343,000</b>             | <b>\$340,781</b>               | <b>\$359,500</b>                    | <b>\$16,500</b>        | <b>4.8%</b>           |

(\*) Compares FY 2018-19 Proposed Budget to FY 2017-18 Adopted Budget

### GENERAL & ADMINISTRATIVE

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, 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 expenditures in FY 2018-19 are projected to total \$364.5K, a 5.3% increase as compared to FY 2017-18. The budget reflects a slight increase in audit costs of \$6.2K due to anticipated larger fees associated with completing a CAFR audit. The Public Information line includes an increase of \$2.5k for software license costs related to a new agency website that will be developed and managed by COMB staff. The postage and office supplies, miscellaneous expenses and membership dues line items increased slightly to accommodate current year projected actual expenses.



Table 3.4 provides a breakdown of the individual components of the projected General and Administrative costs for FY 2018-19 as compared to FY 2017-18.

Table 3.4 – FY 2018-19 General &amp; Administrative Costs

| Category              | Approved Budget<br>FY 2017-18 | Estimated Actual<br>FY 2017-18 | Proposed Draft Budget<br>FY 2018-19 | Variance Analysis (*)  |                       |
|-----------------------|-------------------------------|--------------------------------|-------------------------------------|------------------------|-----------------------|
|                       |                               |                                |                                     | \$ Higher /<br>(Lower) | % Higher /<br>(Lower) |
| Director Fees         | \$20,000                      | \$13,037                       | \$20,000                            | \$0                    | 0.0%                  |
| Audit                 | 28,800                        | 25,366                         | 35,000                              | 6,200                  | 21.5%                 |
| Legal                 | 95,000                        | 41,341                         | 95,000                              | 0                      | 0.0%                  |
| Unemployment Ins      | 5,000                         | 0                              | 5,000                               | 0                      | 0.0%                  |
| General Liability Ins | 75,296                        | 47,465                         | 75,296                              | 0                      | 0.0%                  |
| Postage/Office Suppl  | 9,000                         | 7,339                          | 9,000                               | 0                      | 0.0%                  |
| Office Equip/Leases   | 14,418                        | 11,250                         | 14,618                              | 200                    | 1.4%                  |
| Misc Admin Expense    | 14,210                        | 20,303                         | 19,000                              | 4,790                  | 33.7%                 |
| Communications        | 12,805                        | 12,069                         | 14,305                              | 1,500                  | 11.7%                 |
| Utilities             | 14,980                        | 13,204                         | 14,980                              | 0                      | 0.0%                  |
| Membership Dues       | 14,000                        | 16,079                         | 15,300                              | 1,300                  | 9.3%                  |
| Admin Fixed Assets    | 6,000                         | 3,704                          | 6,000                               | 0                      | 0.0%                  |
| Computer Consultant   | 20,000                        | 18,318                         | 22,000                              | 2,000                  | 10.0%                 |
| Employee Education    | 4,500                         | 5,531                          | 4,500                               | 0                      | 0.0%                  |
| Travel                | 4,500                         | 2,199                          | 4,500                               | 0                      | 0.0%                  |
| Public Info           | 2,500                         | 850                            | 5,000                               | 2,500                  | 100.0%                |
| IRWM                  | 5,000                         | 4,818                          | 5,000                               | 0                      | 0.0%                  |
| <b>Total</b>          | <b>\$346,009</b>              | <b>\$242,874</b>               | <b>\$364,499</b>                    | <b>\$18,490</b>        | <b>5.3%</b>           |

(\*) Compares FY 2018-19 Proposed Draft Budget to FY 2017-18 Adopted Budget



Cachuma Operation and Maintenance Board Meeting Room

**INFRASTRUCTURE IMPROVEMENT PROJECTS**

Infrastructure planning and investment is critical to the ongoing reliability of the Cachuma Project, its facilities and its distribution system. COMB staff evaluates and selects current year infrastructure improvements and special projects based on the following criteria: water supply reliability, risk, critical need, safety, service disruption and the betterment of the Cachuma Project. In Table 3.5 below are the projects identified for implementation during fiscal year 2018-19.

**Table 3.5 – FY 2018-19 Infrastructure Improvement Projects**

| <i>Project Name</i>                             | <i>Fiscal Year<br/>2018-19</i> |
|-------------------------------------------------|--------------------------------|
| Lake Cachuma Emergency Pumping Facility Project | \$230,000                      |
| Sycamore Canyon Slope Stabilization (Phase I)   | \$500,000                      |
| SCC AVAR Riser Pipe Replacement                 | \$54,400                       |
| SCC AVAR Valve Replacement/Relocation           | \$45,000                       |
| SCC Blow-Off Riser Pipe Replacement             | \$385,000                      |
| Repair Lateral 3 - Upper Reach                  | \$100,000                      |
| Rehabilitate San Antonio Creek Blowoff          | \$60,000                       |
| SCC Line Valves for Shutdowns                   | \$25,000                       |
| Rehabilitate SCC Lower Reach Lateral Structures | \$50,000                       |

**HABITAT IMPROVEMENT PROJECTS**

The Fisheries Division is tasked, through Reclamation's operation of the Cachuma Project, with carrying out the fisheries monitoring, data analysis and tributary enhancement projects as described in the National Marine Fisheries Service's (NMFS) 2000 Biological Opinion. A consensus based, long-term fisheries program has been developed that provides protection for steelhead/rainbow trout (*Oncorhynchus mykiss*, *O. mykiss*) downstream of Bradbury Dam. This will be done through a combination of long-term monitoring, water releases from Bradbury Dam through the Hilton Creek Watering System, Hilton Creek Emergency Backup System and Outlet Works, passage flows to assist migrating steelhead, improved riparian habitat, and the removal or modification of numerous fish passage barriers to steelhead on tributaries of the Lower Santa Ynez River. In Table 3.6 below are the projects identified for implementation during fiscal year 2018-19.

**Table 3.6 – FY 2018-19 Habitat Improvement Projects**

| <i>Project Name</i>                           | <i>Fiscal Year<br/>2018-19</i> |
|-----------------------------------------------|--------------------------------|
| Quiota Creek Crossing 5                       | \$960,000                      |
| Quiota Creek Crossing 8                       | \$30,000                       |
| Quiota Creek Crossing 9                       | \$1,115,996                    |
| Salsipuedes Creek Jalama Road Fish Ladder Fix | \$8,000                        |
| Cachuma Lake Oak Tree Restoration Program     | \$40,000                       |

**Cachuma Operation and Maintenance Board  
Draft Operating Budget  
Fiscal Year 2018-19**



Table 4.1- COMB Operating Budget: Consolidated Overview

|  | <b><u>SALARIES &amp; BENEFITS</u></b>               | <b>FY 2017-18</b>   | <b>FY 2018-19</b>   | <b>Change (\$)</b> | <b>Change (%)</b> |
|--|-----------------------------------------------------|---------------------|---------------------|--------------------|-------------------|
|  | Operations Division                                 | \$ 789,108          | \$ 813,247          | \$ 24,139          | 3.1%              |
|  | Fisheries Division                                  | 683,374             | 692,409             | \$ 9,035           | 1.3%              |
|  | Administration                                      | 793,839             | 832,180             | \$ 38,341          | 4.8%              |
|  | <b>TOTAL</b>                                        | <b>\$ 2,266,322</b> | <b>\$ 2,337,836</b> | <b>\$ 71,515</b>   | <b>3.2%</b>       |
|  |                                                     |                     |                     |                    |                   |
|  | <b><u>OPERATIONS &amp; MAINTENANCE EXPENSES</u></b> |                     |                     |                    |                   |
|  | Operations Division                                 | \$ 273,000          | \$ 288,500          | \$ 15,500          | 5.7%              |
|  | Fisheries Division                                  | 70,000              | 71,000              | \$ 1,000           | 1.4%              |
|  | <b>TOTAL</b>                                        | <b>\$ 343,000</b>   | <b>\$ 359,500</b>   | <b>\$ 16,500</b>   | <b>4.8%</b>       |
|  |                                                     |                     |                     |                    |                   |
|  | <b><u>GENERAL &amp; ADMINISTRATIVE EXPENSES</u></b> |                     |                     |                    |                   |
|  | Operation Division                                  | \$ 242,713          | \$ 250,083          | \$ 7,370           | 3.0%              |
|  | Fisheries Division                                  | 103,296             | 114,416             | \$ 11,120          | 10.8%             |
|  | <b>TOTAL</b>                                        | <b>\$ 346,009</b>   | <b>\$ 364,499</b>   | <b>\$ 18,490</b>   | <b>5.3%</b>       |
|  |                                                     |                     |                     |                    |                   |
|  | <b>Total Operating Budget</b>                       | <b>\$ 2,955,330</b> | <b>\$ 3,061,835</b> | <b>\$ 106,505</b>  | <b>3.6%</b>       |

**INFRASTRUCTURE IMPROVEMENT, HABITAT IMPROVEMENT and SPECIAL PROJECTS**
**Operations Division**

|                                     |              |              |            |       |
|-------------------------------------|--------------|--------------|------------|-------|
| Infrastructure Improvement Projects | \$ 1,020,000 | \$ 1,469,400 | \$ 449,400 | 44.1% |
| Special Projects                    | 0            | 647,000      | \$ 647,000 | N/A   |

**Fisheries Division**

|                              |              |              |              |       |
|------------------------------|--------------|--------------|--------------|-------|
| Habitat Improvement Projects | \$ 1,150,000 | \$ 2,173,996 | \$ 1,023,996 | 89.0% |
| Program Support Services     | \$ 193,000   | \$ 176,000   | \$ (17,000)  | -8.8% |

|                                     |                     |                     |                     |              |
|-------------------------------------|---------------------|---------------------|---------------------|--------------|
| <b>Total Gross Operating Budget</b> | <b>\$ 5,318,330</b> | <b>\$ 7,528,231</b> | <b>\$ 2,209,901</b> | <b>41.6%</b> |
|-------------------------------------|---------------------|---------------------|---------------------|--------------|

|                               |                |                |  |  |
|-------------------------------|----------------|----------------|--|--|
| Projected Offsetting Revenues | \$ (1,603,648) | \$ (3,015,929) |  |  |
|-------------------------------|----------------|----------------|--|--|

|                                   |                     |                     |                   |              |
|-----------------------------------|---------------------|---------------------|-------------------|--------------|
| <b>Total Net Operating Budget</b> | <b>\$ 3,714,682</b> | <b>\$ 4,512,302</b> | <b>\$ 797,620</b> | <b>21.5%</b> |
|-----------------------------------|---------------------|---------------------|-------------------|--------------|

Table 4.2- COMB Operating Budget: By Division

| Account Number                              | Account Name                   | FY 2017-18 Adopted Budget | FY 2017-18 Estimated Actuals | FY 2018-19 Proposed Draft Budget | Variance ^          |                   |
|---------------------------------------------|--------------------------------|---------------------------|------------------------------|----------------------------------|---------------------|-------------------|
|                                             |                                |                           |                              |                                  | \$ Higher / (Lower) | Percentage Change |
| <b>OPERATIONS DIVISION</b>                  |                                |                           |                              |                                  |                     |                   |
| <b>OPERATION &amp; MAINTENANCE EXPENSES</b> |                                |                           |                              |                                  |                     |                   |
| <b>SALARIES &amp; BENEFITS</b>              |                                |                           |                              |                                  |                     |                   |
| 3100                                        | LABOR - Operations Field Crew  | \$ 494,852                | \$ 416,698                   | \$ 510,809                       | \$ 15,957           |                   |
| 3155                                        | CALPERS                        | 76,597                    | 65,960                       | 74,234                           | (2,363)             |                   |
| 3150                                        | HEALTH INSURANCE               | 155,076                   | 109,396                      | 163,420                          | 8,344               |                   |
| 3150                                        | WORKERS COMPENSATION INSURANCE | 24,727                    | 13,016                       | 25,707                           | 980                 |                   |
| 3160                                        | FICA                           | 37,856                    | 33,797                       | 39,077                           | 1,221               |                   |
|                                             | <b>TOTAL</b>                   | <b>\$ 789,108</b>         | <b>\$ 638,866</b>            | <b>\$ 813,247</b>                | <b>\$ 24,139</b>    | <b>3.06%</b>      |
| <b>VEHICLES &amp; EQUIPMENT</b>             |                                |                           |                              |                                  |                     |                   |
| 3201                                        | VEHICLE/EQUIP MTCE             | \$ 30,000                 | \$ 35,424                    | \$ 30,000                        | \$ -                |                   |
| 3202                                        | FIXED CAPITAL                  | 15,000                    | 14,359                       | 30,000                           | 15,000              |                   |
| 3203                                        | EQUIPMENT RENTAL               | 5,000                     | 4,585                        | 5,000                            | -                   |                   |
| 3204                                        | MISC                           | 5,000                     | 3,767                        | 5,000                            | -                   |                   |
|                                             | <b>TOTAL</b>                   | <b>\$ 55,000</b>          | <b>\$ 58,134</b>             | <b>\$ 70,000</b>                 | <b>\$ 15,000</b>    | <b>27.27%</b>     |
| <b>CONTRACT LABOR</b>                       |                                |                           |                              |                                  |                     |                   |
| 3301                                        | CONDUIT, METER, VALVE          | \$ 20,000                 | \$ 18,769                    | \$ 20,000                        | \$ -                |                   |
| 3302                                        | BUILDINGS & ROADS              | 20,000                    | 20,000                       | 20,000                           | -                   |                   |
| 3303                                        | RESERVOIRS                     | 30,000                    | 30,000                       | 30,000                           | -                   |                   |
| 3304                                        | ENGINEERING, MISC SVCS         | 25,000                    | 24,500                       | 25,000                           | -                   |                   |
|                                             | <b>TOTAL</b>                   | <b>\$ 95,000</b>          | <b>\$ 93,269</b>             | <b>\$ 95,000</b>                 | <b>\$ -</b>         | <b>0.00%</b>      |
| <b>MATERIALS &amp; SUPPLIES</b>             |                                |                           |                              |                                  |                     |                   |
| 3401                                        | CONDUIT, METER, VALVE & MISC   | \$ 65,000                 | \$ 64,338                    | \$ 65,000                        | \$ -                |                   |
| 3402                                        | BUILDINGS & ROADS              | 8,000                     | 5,481                        | 8,000                            | -                   |                   |
| 3403                                        | RESERVOIRS                     | 5,000                     | 4,655                        | 5,000                            | -                   |                   |
|                                             | <b>TOTAL</b>                   | <b>\$ 78,000</b>          | <b>\$ 74,474</b>             | <b>\$ 78,000</b>                 | <b>\$ -</b>         | <b>0.00%</b>      |
| <b>OTHER EXPENSES</b>                       |                                |                           |                              |                                  |                     |                   |
| 3501                                        | UTILITIES                      | \$ 7,000                  | \$ 6,597                     | \$ 7,000                         | \$ -                |                   |
| 3502                                        | UNIFORMS                       | 5,000                     | 3,838                        | 5,000                            | -                   |                   |
| 3503                                        | COMMUNICATIONS                 | 18,000                    | 18,548                       | 18,500                           | 500                 |                   |
| 3504                                        | USA & OTHER SERVICES           | 4,000                     | 2,139                        | 4,000                            | -                   |                   |
| 3505                                        | MISC                           | 8,000                     | 8,273                        | 8,000                            | -                   |                   |
| 3506                                        | TRAINING                       | 3,000                     | 145                          | 3,000                            | -                   |                   |
|                                             | <b>TOTAL</b>                   | <b>\$ 45,000</b>          | <b>\$ 39,540</b>             | <b>\$ 45,500</b>                 | <b>\$ 500</b>       | <b>1.11%</b>      |
|                                             | <b>TOTAL O &amp; M EXPENSE</b> | <b>\$ 1,062,108</b>       | <b>\$ 904,283</b>            | <b>\$ 1,101,747</b>              | <b>\$ 39,639</b>    | <b>3.73%</b>      |

Table 4.2- COMB Operating Budget: By Division (Cont'd.)

| Account Number                                | Account Name                                        | FY 2017-18 Adopted Budget | FY 2017-18 Estimated Actuals | FY 2018-19 Proposed Draft Budget | Variance ^ \$ Higher / (Lower) | Percentage Change |
|-----------------------------------------------|-----------------------------------------------------|---------------------------|------------------------------|----------------------------------|--------------------------------|-------------------|
| <b>OPERATIONS DIVISION</b>                    |                                                     |                           |                              |                                  |                                |                   |
| <b>GENERAL AND ADMINSTRATIVE EXPENSES</b>     |                                                     |                           |                              |                                  |                                |                   |
| 5000                                          | DIRECTORS FEES                                      | \$ 13,000                 | \$ 8,509                     | \$ 13,000                        | \$ -                           |                   |
| 5100                                          | AUDIT                                               | 21,625                    | 16,733                       | 22,750                           | 1,125                          |                   |
| 5101                                          | LEGAL                                               | 75,000                    | 35,661                       | 75,000                           | -                              |                   |
| 5150                                          | UNEMPLOYMENT INSURANCE                              | 5,000                     | -                            | 5,000                            | -                              |                   |
| 5200                                          | LIABILITY & PROPERTY INSURANCE                      | 50,551                    | 32,763                       | 50,551                           | -                              |                   |
| 5201                                          | HEALTH insurance, W/C, Retirees medical             | 222,951                   | 218,416                      | 234,051                          | 11,101                         |                   |
| 5250                                          | CALPERS                                             | 46,951                    | 33,777                       | 52,325                           | 5,375                          |                   |
| 5339                                          | FICA/MEDICARE                                       | 21,210                    | 16,305                       | 22,114                           | 904                            |                   |
| 5300-5307                                     | ADMINISTRATIVE SALARIES                             | 277,258                   | 252,479                      | 289,071                          | 11,813                         |                   |
| 5310                                          | POSTAGE / OFFICE SUPPLIES                           | 5,000                     | 4,683                        | 5,000                            | -                              |                   |
| 5311                                          | OFFICE EQUIPMENT / LEASES                           | 9,200                     | 7,312                        | 9,200                            | -                              |                   |
| 5312                                          | MISC. ADMIN. EXP.                                   | 8,600                     | 13,204                       | 11,500                           | 2,900                          |                   |
| 5313                                          | COMMUNICATIONS                                      | 8,500                     | 7,276                        | 8,500                            | -                              |                   |
| 5314                                          | UTILITIES                                           | 9,737                     | 8,583                        | 9,737                            | -                              |                   |
| 5315                                          | MEMBERSHIP DUES                                     | 8,500                     | 9,766                        | 9,345                            | 845                            |                   |
| 5316                                          | ADMIN. FIXED ASSETS                                 | 3,000                     | 3,704                        | 3,000                            | -                              |                   |
| 5318                                          | COMPUTER CONSULTANT                                 | 15,000                    | 11,907                       | 15,000                           | -                              |                   |
| 5325                                          | EMPLOYEE EDUCATION/TRAINING                         | 2,000                     | 2,623                        | 2,000                            | -                              |                   |
| 5330                                          | ADMIN TRAV & CONFERENCES                            | 2,000                     | 147                          | 2,000                            | -                              |                   |
| 5331                                          | PUBLIC INFO                                         | 1,000                     | 553                          | 3,500                            | 2,500                          |                   |
| <b>TOTAL GENERAL &amp; ADMINISTRATIVE</b>     |                                                     | <b>\$ 806,082</b>         | <b>\$ 684,401</b>            | <b>\$ 842,644</b>                | <b>\$ 36,562</b>               | <b>4.54%</b>      |
| <b>SPECIAL G &amp; A EXPENSES</b>             |                                                     |                           |                              |                                  |                                |                   |
| 5510                                          | Integrated Regional Water Mgmt Plan                 | \$ 5,000                  | \$ 4,818                     | \$ 5,000                         | \$ -                           |                   |
| <b>TOTAL SPECIAL G &amp; A EXPENSES</b>       |                                                     | <b>\$ 5,000</b>           | <b>\$ 4,818</b>              | <b>\$ 5,000</b>                  | <b>\$ -</b>                    | <b>0.00%</b>      |
| <b>INFRASTRUCTURE IMPROVEMENT PROJECTS **</b> |                                                     |                           |                              |                                  |                                |                   |
| 6062                                          | SCADA                                               | \$ 20,000                 | \$ 8,679                     | \$ 20,000                        | \$ -                           |                   |
| 6090                                          | COMB Bldg/Grounds Repair                            | 20,000                    | 20,000                       | 200,000                          | 180,000                        |                   |
| 6097                                          | GIS and Mapping                                     | 10,000                    | 14,918                       | 10,000                           | -                              |                   |
| 6096                                          | SCC Structure Rehabilitation (AVAR / BO Valves)     | 225,000                   | 227,771                      | 484,400                          | 259,400                        |                   |
| 6105                                          | ROW Identification Program                          | 20,000                    | 18,225                       | 20,000                           | -                              |                   |
| 6118                                          | Repair Lateral 3 Structure                          | 100,000                   | 28,997                       | 100,000                          | -                              |                   |
| 6122                                          | Rehabilitate San Antonio Creek Blow-off             | 35,000                    | 35,000                       | 60,000                           | 25,000                         |                   |
| 6130                                          | North Portal Slope Stabilization                    | 30,000                    | 103,000                      | -                                | (30,000)                       |                   |
| 6132                                          | Sycamore Canyon Slope Stabilization                 | 300,000                   | 147,394                      | 500,000                          | 200,000                        |                   |
| 6133                                          | Meter Replacement Project                           | 100,000                   | -                            | -                                | (100,000)                      |                   |
| 6134                                          | North Portal IT/Control Bldg Seismic Assessment     | 100,000                   | -                            | -                                | (100,000)                      |                   |
| 6135                                          | SCC San Jose Creek Pipe Stabilization Evaluation ** | 60,000                    | -                            | -                                | (60,000)                       |                   |
| 6136                                          | SCC Isolation Valve Evaluation                      | -                         | -                            | 25,000                           | 25,000                         |                   |
| 6137                                          | SCC Lower Reach Lateral Structures                  | -                         | -                            | 50,000                           | 50,000                         |                   |
| <b>TOTALS</b>                                 |                                                     | <b>\$ 1,020,000</b>       | <b>\$ 603,985</b>            | <b>\$ 1,469,400</b>              | <b>\$ 449,400</b>              | <b>44.06%</b>     |
| <b>TOTAL IIP Net Budget</b>                   |                                                     | <b>\$ 1,020,000</b>       | <b>\$ 603,985</b>            | <b>1,469,400</b>                 | <b>\$ 449,400</b>              | <b>44.06%</b>     |
| <b>SPECIAL PROJECTS</b>                       |                                                     |                           |                              |                                  |                                |                   |
| 6120                                          | Emergency Pumping Facilities Project#               | \$ 223,000                | \$ 200,000                   | \$ 230,000                       | 7,000                          |                   |
|                                               | <i>Carryover Funds</i>                              | (223,000)                 | -                            | 0                                | 223,000                        |                   |
| 6138                                          | Cachuma Watershed Management Study                  | -                         | -                            | 417,000                          | 417,000                        |                   |
| <b>TOTAL SPECIAL PROJECTS</b>                 |                                                     | <b>\$ -</b>               | <b>-</b>                     | <b>\$ 647,000</b>                | <b>\$ 647,000</b>              |                   |
| <b>TOTAL IIP and SPECIAL PROJECTS</b>         |                                                     | <b>\$ 1,020,000</b>       | <b>\$ 803,985</b>            | <b>\$ 2,116,400</b>              | <b>1,096,400</b>               | <b>107.49%</b>    |
| <b>TOTAL OPERATIONS DIVISION BUDGET</b>       |                                                     | <b>\$ 2,893,190</b>       | <b>\$ 2,397,486</b>          | <b>\$ 4,065,791</b>              | <b>1,172,601</b>               | <b>40.53%</b>     |

Table 4.2- COMB Operating Budget: By Division (Cont'd.)

| Account Number                              | Account Name                              | FY 2017-18 Adopted Budget | FY 2017-18 Estimated Actuals | FY 2018-19 Proposed Draft Budget | Variance ^<br>\$ Higher / (Lower) Percentage Change |               |
|---------------------------------------------|-------------------------------------------|---------------------------|------------------------------|----------------------------------|-----------------------------------------------------|---------------|
| <b>FISHERIES DIVISION</b>                   |                                           |                           |                              |                                  |                                                     |               |
| <b>OPERATION &amp; MAINTENANCE EXPENSES</b> |                                           |                           |                              |                                  |                                                     |               |
| <b>SALARIES &amp; BENEFITS</b>              |                                           |                           |                              |                                  |                                                     |               |
| 4100                                        | LABOR - Biology Field Crew                | \$ 363,620                | \$ 362,272                   | \$ 379,830                       | \$ 16,210                                           |               |
| 4114                                        | LABOR - Seasonal Field Crew               | 68,000                    | 68,834                       | 68,000                           | -                                                   |               |
| 4151                                        | CALPERS                                   | 81,035                    | 93,287                       | 67,259                           | (13,776)                                            |               |
| 4150                                        | HEALTH INSURANCE                          | 116,119                   | 95,378                       | 120,669                          | 4,551                                               |               |
| 4150                                        | WORKERS COMPENSATION                      | 21,581                    | 12,071                       | 22,392                           | 811                                                 |               |
| 4152                                        | FICA                                      | 33,019                    | 35,810                       | 34,259                           | 1,240                                               |               |
|                                             | <b>TOTAL</b>                              | <b>\$ 683,374</b>         | <b>\$ 667,653</b>            | <b>\$ 692,409</b>                | <b>\$ 9,035</b>                                     | <b>1.32%</b>  |
| <b>VEHICLES &amp; EQUIPMENT</b>             |                                           |                           |                              |                                  |                                                     |               |
| 4270                                        | VEHICLE/EQUIP MTCE                        | \$ 15,000                 | \$ 23,260                    | \$ 15,000                        | \$ -                                                |               |
| 4280                                        | FIXED CAPITAL                             | 15,000                    | 34,537                       | 15,000                           | -                                                   |               |
| 4290                                        | MISCELLANEOUS                             | 2,500                     | 3,881                        | 2,500                            | -                                                   |               |
|                                             | <b>TOTAL</b>                              | <b>\$ 32,500</b>          | <b>\$ 61,678</b>             | <b>\$ 32,500</b>                 | <b>\$ -</b>                                         | <b>0.00%</b>  |
| <b>CONTRACT LABOR</b>                       |                                           |                           |                              |                                  |                                                     |               |
| 4220                                        | METERS & VALVES                           | \$ 3,000                  | \$ 125                       | \$ 3,000                         | \$ -                                                |               |
| 4222                                        | PROJECTS MAINTENANCE                      | 25,000                    | 8,005                        | 25,000                           | -                                                   |               |
|                                             | <b>TOTAL</b>                              | <b>\$ 28,000</b>          | <b>\$ 8,130</b>              | <b>\$ 28,000</b>                 | <b>\$ -</b>                                         | <b>0.00%</b>  |
| <b>MATERIALS &amp; SUPPLIES</b>             |                                           |                           |                              |                                  |                                                     |               |
| 4390                                        | MISCELLANEOUS                             | \$ 7,000                  | \$ 2,085                     | \$ 7,000                         | \$ -                                                |               |
|                                             | <b>TOTAL</b>                              | <b>\$ 7,000</b>           | <b>\$ 2,085</b>              | <b>\$ 7,000</b>                  | <b>\$ -</b>                                         | <b>0.00%</b>  |
| <b>OTHER EXPENSES</b>                       |                                           |                           |                              |                                  |                                                     |               |
| 4502                                        | UNIFORMS                                  | \$ 2,500                  | \$ 3,471                     | \$ 3,500                         | \$ 1,000                                            |               |
|                                             | <b>TOTAL</b>                              | <b>\$ 2,500</b>           | <b>\$ 3,471</b>              | <b>\$ 3,500</b>                  | <b>\$ 1,000</b>                                     | <b>40.00%</b> |
|                                             | <b>TOTAL O &amp; M EXPENSE</b>            | <b>\$ 753,374</b>         | <b>\$ 743,017</b>            | <b>\$ 763,409</b>                | <b>\$ 10,035</b>                                    | <b>1.33%</b>  |
| <b>FISHERIES DIVISION</b>                   |                                           |                           |                              |                                  |                                                     |               |
| <b>GENERAL AND ADMINSTRATIVE EXPENSES</b>   |                                           |                           |                              |                                  |                                                     |               |
| 5426                                        | DIRECTORS FEES                            | \$ 7,000                  | \$ 4,528                     | \$ 7,000                         | \$ -                                                |               |
| 5407                                        | LEGAL                                     | 20,000                    | 5,680                        | 20,000                           | -                                                   |               |
| 5441                                        | AUDIT                                     | 7,175                     | 8,633                        | 12,250                           | 5,075                                               |               |
| 5443                                        | LIABILITY & PROPERTY INSURANCE            | 24,745                    | 14,701                       | 24,745                           | -                                                   |               |
| 5401                                        | HEALTH BENEFITS & W/C                     | 39,475                    | 28,315                       | 38,883                           | (592)                                               |               |
| 5402                                        | PERS                                      | 25,281                    | 18,188                       | 28,175                           | 2,894                                               |               |
| 5403                                        | FICA/MEDICARE                             | 11,421                    | 8,779                        | 11,907                           | 487                                                 |               |
| 5404-09                                     | ADMINISTRATIVE SALARIES                   | 149,293                   | 135,950                      | 155,654                          | 6,361                                               |               |
| 5410                                        | POSTAGE / OFFICE SUPPLIES                 | 4,000                     | 2,656                        | 4,000                            | -                                                   |               |
| 5411                                        | OFFICE EQUIPMENT / LEASES                 | 5,218                     | 3,937                        | 5,418                            | 200                                                 |               |
| 5412                                        | MISC. ADMIN. EXP.                         | 5,610                     | 7,099                        | 7,500                            | 1,890                                               |               |
| 5413                                        | COMMUNICATIONS                            | 4,305                     | 4,793                        | 5,805                            | 1,500                                               |               |
| 5414                                        | UTILITIES                                 | 5,243                     | 4,622                        | 5,243                            | -                                                   |               |
| 5415                                        | MEMBERSHIP DUES                           | 5,500                     | 6,313                        | 5,955                            | 455                                                 |               |
| 5416                                        | ADMIN. FIXED ASSETS                       | 3,000                     | -                            | 3,000                            | -                                                   |               |
| 5418                                        | COMPUTER CONSULTANT                       | 5,000                     | 6,411                        | 7,000                            | 2,000                                               |               |
| 5425                                        | EMPLOYEE EDUCATION/SUBSCRIPTIONS          | 2,500                     | 2,909                        | 2,500                            | -                                                   |               |
| 5430                                        | ADMIN TRAV & CONFERENCES                  | 2,500                     | 2,052                        | 2,500                            | -                                                   |               |
| 5431                                        | PUBLIC INFO                               | 1,500                     | 298                          | 1,500                            | -                                                   |               |
|                                             | <b>TOTAL GENERAL &amp; ADMINISTRATIVE</b> | <b>\$ 328,766</b>         | <b>\$ 265,864</b>            | <b>\$ 349,035</b>                | <b>\$ 20,269</b>                                    | <b>6.17%</b>  |

Table 4.2- COMB Operating Budget: By Division (Cont'd.)

| Account Number                                | Account Name                          | FY 2017-18 Adopted Budget | FY 2017-18 Estimated Actuals | FY 2018-19 Proposed Draft Budget | Variance ^ \$ Higher / (Lower) | Percentage Change |
|-----------------------------------------------|---------------------------------------|---------------------------|------------------------------|----------------------------------|--------------------------------|-------------------|
| <b>FISHERIES DIVISION</b>                     |                                       |                           |                              |                                  |                                |                   |
| <b>PROGRAM SUPPORT SERVICES</b>               |                                       |                           |                              |                                  |                                |                   |
| 6201                                          | BO/FMP Implementation                 | \$ 60,000                 | \$ 53,467                    | \$ 45,000                        | \$ (15,000)                    |                   |
| 6202                                          | GIS and Mapping                       | 10,000                    | 12,858                       | 10,000                           | -                              |                   |
| 6203                                          | Grants Technical Support              | 10,000                    | -                            | 10,000                           | -                              |                   |
| 6204                                          | SYR Hydrology Technical Support       | 8,000                     | -                            | 6,000                            | (2,000)                        |                   |
| 6205                                          | USGS Stream Gauge Program             | 100,000                   | 112,508                      | 100,000                          | -                              |                   |
| 6206                                          | Tri County Fish Team Funding          | 5,000                     | 5,000                        | 5,000                            | -                              |                   |
| <b>TOTAL PROGRAM SUPPORT SERVICES</b>         |                                       | <b>\$ 193,000</b>         | <b>\$ 183,833</b>            | <b>\$ 176,000</b>                | <b>\$ (17,000)</b>             | <b>-8.81%</b>     |
| <b>HABITAT IMPROVEMENT PROJECTS **</b>        |                                       |                           |                              |                                  |                                |                   |
| 6207                                          | Oak Tree Restoration Program          | \$ 40,000                 | \$ 15,007                    | \$ 40,000                        | \$ -                           |                   |
| 6303                                          | Tributary Project Improvements        | 20,000                    | 19,992                       | 20,000                           | -                              |                   |
| 6315                                          | Quiota Creek Crossing 8               | 60,000                    | -                            | 30,000                           | (30,000)                       |                   |
| 6316                                          | Quiota Creek Crossing 5               | 960,000                   | 155,715                      | 960,000                          | -                              |                   |
| 6317                                          | Salsipuedes Fish Ladder Repair        | 10,000                    | 10,000                       | 8,000                            | (2,000)                        |                   |
| 6318                                          | Quiota Creek Crossing 9               | 30,000                    | 30,000                       | 1,115,996                        | 1,085,996                      |                   |
| 6319                                          | Mission Creek at Hwy 192 **           | 30,000                    | -                            |                                  | (30,000)                       |                   |
| <b>TOTAL HABITAT IMPROVEMENT PROJECTS</b>     |                                       | <b>\$ 1,150,000</b>       | <b>\$ 230,714</b>            | <b>\$ 2,173,996</b>              | <b>\$ 1,023,996</b>            | <b>89.04%</b>     |
| <b>TOTAL HIP AND PROGRAM SUPPORT SERVICES</b> |                                       | <b>\$ 1,343,000</b>       | <b>\$ 414,547</b>            | <b>\$ 2,349,996</b>              | <b>\$ 1,006,996</b>            | <b>74.98%</b>     |
| <b>TOTAL FISHERIES DIVISION BUDGET</b>        |                                       | <b>\$ 2,425,140</b>       | <b>\$ 1,423,428</b>          | <b>\$ 3,462,440</b>              | <b>\$ 1,037,300</b>            | <b>42.77%</b>     |
| <b>TOTAL COMB GROSS OPERATING BUDGET</b>      |                                       | <b>\$ 5,318,330</b>       | <b>\$ 3,820,915</b>          | <b>\$ 7,528,231</b>              | <b>\$ 2,209,901</b>            | <b>41.55%</b>     |
| <b>Projected Offsetting Revenues:</b>         |                                       |                           |                              |                                  |                                |                   |
|                                               | Warren Act Trust Fund*                | \$ (620,361)              |                              | \$ (539,521)                     |                                |                   |
|                                               | Santa Barbara County Contribution     | (90,000)                  |                              | (90,000)                         |                                |                   |
|                                               | CDFW Grant Funding - QC Crossing 5    | (893,287)                 |                              | (893,287)                        |                                |                   |
|                                               | CDFW Grant Funding - QC Crossing 9    | -                         |                              | (993,121)                        |                                |                   |
|                                               | Projected Unexpended Funds FY 2017-18 | -                         |                              | (500,000)                        |                                |                   |
|                                               | <b>Total Offsetting Revenues</b>      | <b>\$ (1,603,648)</b>     |                              | <b>\$ (3,015,929)</b>            |                                |                   |
| <b>TOTAL COMB NET OPERATING BUDGET</b>        |                                       | <b>\$ 3,714,682</b>       |                              | <b>\$ 4,512,302</b>              | <b>\$ 797,620</b>              | <b>21.47%</b>     |

**Notes:** General and Administrative labor costs are allocated at 65% Operations Division and 35% Fisheries Division  
 General & Administrative Expenses are allocated at 65% Operations Division and 35% Fisheries Division with the exception of  
 Legal, Admin Fixed Assets, Education, Travel, Public Info  
 Labor costs contain 2.56% COLA increase per annual calculation  
 \* Special purpose restricted fund  
 ^ Compares FY 2018-19 Proposed Draft Budget to FY 2017-18 Adopted Budget  
 # Budget augmentation will be presented for Board approval if implementation is necessary

**Special Note:**

\*\* Board policy requires all projects to be approved thru Committee and by the Board prior to commencement

Table 4.3- COMB Operating Budget: O&amp;M Expenses Consolidated

| Account Name                           |                     |                   |                     |                     |                   |                     |
|----------------------------------------|---------------------|-------------------|---------------------|---------------------|-------------------|---------------------|
| OPERATION & MAINTENANCE EXPENSES       | FY 2017-18          |                   |                     | FY 2018-19          |                   |                     |
|                                        | Operations          | Fisheries         | Total               | Operations          | Fisheries         | Total               |
| <b>LABOR</b>                           |                     |                   |                     |                     |                   |                     |
| LABOR - Field Crews                    | \$ 494,852          | \$ 431,620        | \$ 926,472          | \$ 510,809          | \$ 447,830        | \$ 958,639          |
| CALPERS                                | 76,597              | 81,035            | 157,633             | 74,234              | 67,259            | 141,493             |
| HEALTH INSURANCE                       | 155,076             | 116,119           | 271,195             | 163,420             | 120,669           | 284,090             |
| WORKERS COMPENSATION INSURANCE         | 24,727              | 21,581            | 46,308              | 25,707              | 22,392            | 48,098              |
| FICA                                   | 37,856              | 33,019            | 70,875              | 39,077              | 34,259            | 73,336              |
| <b>TOTAL</b>                           | <b>\$ 789,108</b>   | <b>\$ 683,374</b> | <b>\$ 1,472,482</b> | <b>\$ 813,247</b>   | <b>\$ 692,409</b> | <b>\$ 1,505,656</b> |
| <b>VEHICLES &amp; EQUIPMENT</b>        |                     |                   |                     |                     |                   |                     |
| VEHICLE/EQUIP MTCE                     | \$ 30,000           | \$ 15,000         | \$ 45,000           | \$30,000            | \$ 15,000         | \$ 45,000           |
| FIXED CAPITAL                          | 15,000              | 15,000            | 30,000              | 30,000              | 15,000            | 45,000              |
| EQUIPMENT RENTAL                       | 5,000               | 0                 | 5,000               | 5,000               | 0                 | 5,000               |
| MISC                                   | 5,000               | 2,500             | 7,500               | 5,000               | 2,500             | 7,500               |
| <b>TOTAL</b>                           | <b>\$ 55,000</b>    | <b>\$ 32,500</b>  | <b>\$ 87,500</b>    | <b>\$ 70,000</b>    | <b>\$ 32,500</b>  | <b>\$ 102,500</b>   |
| <b>CONTRACT LABOR</b>                  |                     |                   |                     |                     |                   |                     |
| CONDUIT, METER, VALVE                  | \$ 20,000           | \$ 3,000          | \$ 23,000           | \$20,000            | \$ 3,000          | \$ 23,000           |
| BUILDINGS & ROADS                      | 20,000              | 0                 | 20,000              | 20,000              | 0                 | 20,000              |
| RESERVOIRS                             | 30,000              | 0                 | 30,000              | 30,000              | 0                 | 30,000              |
| ENGINEERING, FISH PROJ MTCE, MISC SVCS | 25,000              | 25,000            | 50,000              | 25,000              | 25,000            | 50,000              |
| <b>TOTAL</b>                           | <b>\$ 95,000</b>    | <b>\$ 28,000</b>  | <b>\$ 123,000</b>   | <b>\$ 95,000</b>    | <b>\$ 28,000</b>  | <b>\$ 123,000</b>   |
| <b>MATERIALS &amp; SUPPLIES</b>        |                     |                   |                     |                     |                   |                     |
| CONDUIT, METER, VALVE & MISC           | \$ 65,000           | \$ 7,000          | \$ 72,000           | \$65,000            | \$ 7,000          | \$ 72,000           |
| BUILDINGS & ROADS                      | 8,000               | 0                 | 8,000               | 8,000               | 0                 | 8,000               |
| RESERVOIRS                             | 5,000               | 0                 | 5,000               | 5,000               | 0                 | 5,000               |
| <b>TOTAL</b>                           | <b>\$ 78,000</b>    | <b>\$ 7,000</b>   | <b>\$ 85,000</b>    | <b>\$ 78,000</b>    | <b>\$ 7,000</b>   | <b>\$ 85,000</b>    |
| <b>OTHER EXPENSES</b>                  |                     |                   |                     |                     |                   |                     |
| UTILITIES                              | \$ 7,000            | \$ -              | \$ 7,000            | \$7,000             | 0                 | 7,000               |
| UNIFORMS                               | 5,000               | 2,500             | 7,500               | 5,000               | 3,500             | 8,500               |
| COMMUNICATIONS                         | 18,000              | 0                 | 18,000              | 18,500              | 0                 | 18,500              |
| USA & OTHER SERVICES                   | 4,000               | 0                 | 4,000               | 4,000               | 0                 | 4,000               |
| MISC                                   | 8,000               | 0                 | 8,000               | 8,000               | 0                 | 8,000               |
| TRAINING                               | 3,000               | 0                 | 3,000               | 3,000               | 0                 | 3,000               |
| <b>TOTAL</b>                           | <b>\$ 45,000</b>    | <b>\$ 2,500</b>   | <b>\$ 47,500</b>    | <b>\$ 45,500</b>    | <b>\$ 3,500</b>   | <b>\$ 49,000</b>    |
| <b>TOTAL O &amp; M EXPENSE</b>         | <b>\$ 1,062,108</b> | <b>\$ 753,374</b> | <b>\$ 1,815,482</b> | <b>\$ 1,101,747</b> | <b>\$ 763,409</b> | <b>\$ 1,865,156</b> |

Table 4.4 - COMB Operating Budget: G&amp;A Expenses Consolidated

Account Name

**GENERAL AND ADMINISTRATIVE EXPENSES**

|                                  | FY 2017-18       |                  |                    | FY 2018-19       |                  |                    |
|----------------------------------|------------------|------------------|--------------------|------------------|------------------|--------------------|
|                                  | Operations       | Fisheries        | Total              | Operations       | Fisheries        | Total              |
| DIRECTORS FEES                   | \$ 13,000        | \$ 7,000         | \$ 20,000          | \$13,000         | \$ 7,000         | \$20,000           |
| AUDIT                            | 21,625           | 7,175            | 28,800             | 22,750           | 12,250           | 35,000             |
| LEGAL                            | 75,000           | 20,000           | 95,000             | 75,000           | 20,000           | 95,000             |
| UNEMPLOYMENT TAX                 | 5,000            | 0                | 5,000              | 5,000            | 0                | 5,000              |
| GENERAL LIABILITY INSURANCE      | 50,551           | 24,745           | 75,296             | 50,551           | 24,745           | 75,296             |
| HEALTH INSURANCE                 | 70,511           | 37,967           | 108,478            | 69,291           | 37,311           | 106,602            |
| WORKERS COMPENSATION INSURANCE   | 2,800            | 1,508            | 4,308              | 2,920            | 1,572            | 4,492              |
| RETIREES HEALTH INSURANCE        | 149,640          | 0                | 149,640            | 161,840          | 0                | 161,840            |
| CAL-PERS                         | 46,951           | 25,281           | 72,232             | 52,325           | 28,175           | 80,500             |
| FICA / MEDICARE                  | 21,210           | 11,421           | 32,631             | 22,114           | 11,907           | 34,021             |
| ADMINISTRATIVE SALARIES          | 277,258          | 149,293          | 426,551            | 289,071          | 155,654          | 444,724            |
| POSTAGE/OFFICE SUPPLIES          | 5,000            | 4,000            | 9,000              | 5,000            | 4,000            | 9,000              |
| OFFICE EQUIP/LEASES              | 9,200            | 5,218            | 14,418             | 9,200            | 5,418            | 14,618             |
| MISC ADMIN EXP                   | 8,600            | 5,610            | 14,210             | 11,500           | 7,500            | 19,000             |
| COMMUNICATIONS                   | 8,500            | 4,305            | 12,805             | 8,500            | 5,805            | 14,305             |
| UTILITIES                        | 9,737            | 5,243            | 14,980             | 9,737            | 5,243            | 14,980             |
| MEMBERSHIP DUES                  | 8,500            | 5,500            | 14,000             | 9,345            | 5,955            | 15,300             |
| ADMIN FIXED ASSETS               | 3,000            | 3,000            | 6,000              | 3,000            | 3,000            | 6,000              |
| COMPUTER CONSULTANT              | 15,000           | 5,000            | 20,000             | 15,000           | 7,000            | 22,000             |
| EMPLOYEE EDUCATION/SUBSCRIPTIONS | 2,000            | 2,500            | 4,500              | 2,000            | 2,500            | 4,500              |
| TRAVEL & CONF.                   | 2,000            | 2,500            | 4,500              | 2,000            | 2,500            | 4,500              |
| PUBLIC INFO                      | 1,000            | 1,500            | 2,500              | 3,500            | 1,500            | 5,000              |
| <b>TOTAL</b>                     | <b>\$806,082</b> | <b>\$328,766</b> | <b>\$1,134,848</b> | <b>\$842,644</b> | <b>\$349,035</b> | <b>\$1,191,679</b> |

## Notes:

Administrative salaries/burden are allocated as 35% Fisheries Division and 65% Operations

Table 4.5 - COMB Operating Budget Allocation

| <b>COMB OPERATING BUDGET ALLOCATION FY 2018-19 (DRAFT)</b>  |                |                     |                     |
|-------------------------------------------------------------|----------------|---------------------|---------------------|
| <b>OPERATIONS DIVISION</b>                                  |                |                     |                     |
| <b>ID#1 Allocated Costs (SC Operations Division)</b>        |                | <b>FY 2017-18</b>   | <b>FY 2018-19</b>   |
| <b>COMB Buildings / Grounds Repair</b>                      | \$0 10.31%     | \$ 2,062            | \$ 20,620           |
| <b>TOTAL</b>                                                |                | <b>\$ 2,062</b>     | <b>\$ 20,620</b>    |
| <b>Directors Fees (All M/U equal share)</b>                 |                |                     |                     |
| Goleta Water District                                       | 20.00%         | \$ 4,000            | \$ 4,000            |
| City of Santa Barbara                                       | 20.00%         | \$ 4,000            | \$ 4,000            |
| Carpinteria Valley Water District                           | 20.00%         | \$ 4,000            | \$ 4,000            |
| Montecito Water District                                    | 20.00%         | \$ 4,000            | \$ 4,000            |
| Santa Ynez River Wtr Conservation District, ID#1            | 20.00%         | \$ 4,000            | \$ 4,000            |
| <b>TOTAL</b>                                                | <b>100.00%</b> | <b>\$ 20,000</b>    | <b>\$ 20,000</b>    |
| <b>South Coast Member Unit Allocated Costs (SC Ops Div)</b> |                |                     |                     |
| Goleta Water District                                       | 40.42%         | \$ 1,160,510        | \$ 1,626,974        |
| City of Santa Barbara                                       | 35.88%         | \$ 1,030,161        | \$ 1,444,231        |
| Carpinteria Valley Water District                           | 12.20%         | \$ 350,278          | \$ 491,071          |
| Montecito Water District                                    | 11.50%         | \$ 330,180          | \$ 462,895          |
| <b>TOTAL</b>                                                | <b>100.00%</b> | <b>\$ 2,871,128</b> | <b>\$ 4,025,171</b> |
| <b>TOTAL Operations Division Budget</b>                     |                |                     |                     |
| Goleta Water District                                       | 40.11%         | \$ 1,164,510        | \$ 1,630,974        |
| City of Santa Barbara                                       | 35.62%         | \$ 1,034,161        | \$ 1,448,231        |
| Carpinteria Valley Water District                           | 12.18%         | \$ 354,278          | \$ 495,071          |
| Montecito Water District                                    | 11.48%         | \$ 334,180          | \$ 466,895          |
| Santa Ynez River Wtr Conservation District, ID#1            | 0.61%          | \$ 6,062            | \$ 24,620           |
| <b>TOTAL Operations Division Budget</b>                     | <b>100.00%</b> | <b>\$ 2,893,190</b> | <b>\$ 4,065,791</b> |
| <b>FISHERIES DIVISION</b>                                   |                |                     |                     |
| <b>Stetson, Hanson Consultants Only</b>                     |                | <b>FY 2017-18</b>   | <b>FY 2018-19</b>   |
| Goleta Water District                                       | 40.42%         | \$ 10,508           | \$ -                |
| City of Santa Barbara                                       | 35.89%         | \$ 9,331            | \$ -                |
| Carpinteria Valley Water District                           | 12.20%         | \$ 3,171            | \$ -                |
| Montecito Water District                                    | 11.50%         | \$ 2,989            | \$ -                |
| <b>TOTAL</b>                                                | <b>100.00%</b> | <b>\$ 26,000</b>    | <b>\$ -</b>         |
| <b>O &amp; M, G &amp; A, Special Projects</b>               |                |                     |                     |
| Goleta Water District                                       | 36.25%         | \$ 869,688          | \$ 1,255,135        |
| City of Santa Barbara                                       | 32.19%         | \$ 772,283          | \$ 1,114,559        |
| Carpinteria Valley Water District                           | 10.94%         | \$ 262,466          | \$ 378,791          |
| Montecito Water District                                    | 10.31%         | \$ 247,351          | \$ 356,978          |
| Santa Ynez River Wtr Conservation District, ID#1            | 10.31%         | \$ 247,351          | \$ 356,978          |
| <b>TOTAL</b>                                                | <b>100.00%</b> | <b>\$ 2,399,140</b> | <b>\$ 3,462,440</b> |
| <b>TOTAL Fisheries Division Budget</b>                      |                |                     |                     |
| Goleta Water District                                       | 36.25%         | \$ 880,197          | \$ 1,255,135        |
| City of Santa Barbara                                       | 32.19%         | \$ 781,615          | \$ 1,114,559        |
| Carpinteria Valley Water District                           | 10.94%         | \$ 265,637          | \$ 378,791          |
| Montecito Water District                                    | 10.31%         | \$ 250,340          | \$ 356,978          |
| Santa Ynez River Wtr Conservation District, ID#1            | 10.31%         | \$ 247,351          | \$ 356,978          |
| <b>TOTAL Fisheries Division Budget</b>                      | <b>100.00%</b> | <b>\$ 2,425,140</b> | <b>\$ 3,462,440</b> |
| <b>COMB GROSS OPERATING BUDGET</b>                          |                |                     |                     |
| Goleta Water District                                       | 38.34%         | \$ 2,044,707        | \$ 2,886,109        |
| City of Santa Barbara                                       | 34.04%         | \$ 1,815,775        | \$ 2,562,791        |
| Carpinteria Valley Water District                           | 11.61%         | \$ 619,915          | \$ 873,862          |
| Montecito Water District                                    | 10.94%         | \$ 584,520          | \$ 823,872          |
| Santa Ynez River Wtr Conservation District, ID#1            | 5.07%          | \$ 253,413          | \$ 381,598          |
| <b>TOTAL GROSS COMB OPERATING BUDGET</b>                    | <b>100.00%</b> | <b>\$ 5,318,330</b> | <b>\$ 7,528,231</b> |

Table 4.5 - COMB Operating Budget Allocation (Cont'd.)

| <b>COMB OPERATING BUDGET ALLOCATION FY 2018-19 (DRAFT)</b>              |                |                     |                       |
|-------------------------------------------------------------------------|----------------|---------------------|-----------------------|
| <b>OFFSETTING REVENUES</b>                                              |                |                     |                       |
| <b>Warren Act Trust Fund Offset</b>                                     |                | <b>FY 2017-18</b>   | <b>FY 2018-19</b>     |
| Goleta Water District                                                   | 36.25%         | (\$224,881)         | \$ (195,576)          |
| City of Santa Barbara                                                   | 32.19%         | (\$199,694)         | \$ (173,672)          |
| Carpinteria Valley Water District                                       | 10.94%         | (\$67,867)          | \$ (59,024)           |
| Montecito Water District                                                | 10.31%         | (\$63,959)          | \$ (55,625)           |
| Santa Ynez River Wtr Conservation District, ID#1                        | 10.31%         | (\$63,959)          | \$ (55,625)           |
| <b>TOTAL</b>                                                            | <b>100.00%</b> | <b>\$ (620,361)</b> | <b>\$ (539,521)</b>   |
| <b>County Betterment Fund Offset</b>                                    |                |                     |                       |
| Goleta Water District                                                   | 36.25%         | \$ (32,625)         | \$ (32,625)           |
| City of Santa Barbara                                                   | 32.19%         | \$ (28,971)         | \$ (28,971)           |
| Carpinteria Valley Water District                                       | 10.94%         | \$ (9,846)          | \$ (9,846)            |
| Montecito Water District                                                | 10.31%         | \$ (9,279)          | \$ (9,279)            |
| Santa Ynez River Wtr Conservation District, ID#1                        | 10.31%         | \$ (9,279)          | \$ (9,279)            |
| <b>TOTAL</b>                                                            | <b>100.00%</b> | <b>\$ (90,000)</b>  | <b>\$ (90,000)</b>    |
| <b>CDFW Grant Funding Offset</b>                                        |                |                     |                       |
| Goleta Water District                                                   | 36.25%         | \$ (323,817)        | \$ (683,823)          |
| City of Santa Barbara                                                   | 32.19%         | \$ (287,549)        | \$ (607,235)          |
| Carpinteria Valley Water District                                       | 10.94%         | \$ (97,726)         | \$ (206,373)          |
| Montecito Water District                                                | 10.31%         | \$ (92,098)         | \$ (194,489)          |
| Santa Ynez River Wtr Conservation District, ID#1                        | 10.31%         | \$ (92,098)         | \$ (194,489)          |
| <b>TOTAL</b>                                                            | <b>100.00%</b> | <b>\$ (893,287)</b> | <b>\$ (1,886,408)</b> |
| <b>Projected Unexpended Funds FY 2017-18</b>                            |                |                     |                       |
| Goleta Water District                                                   | 40.42%         | \$ -                | \$ (202,100)          |
| City of Santa Barbara                                                   | 35.88%         | \$ -                | \$ (179,400)          |
| Carpinteria Valley Water District                                       | 12.20%         | \$ -                | \$ (61,000)           |
| Montecito Water District                                                | 11.50%         | \$ -                | \$ (57,500)           |
| <b>TOTAL</b>                                                            | <b>100.00%</b> | <b>\$ -</b>         | <b>\$ (500,000)</b>   |
| <b>TOTAL NET COMB OPERATING BUDGET</b>                                  |                |                     |                       |
| Goleta Water District                                                   | 39.27%         | \$ 1,463,384        | \$ 1,771,984          |
| City of Santa Barbara                                                   | 34.87%         | \$ 1,299,561        | \$ 1,573,513          |
| Carpinteria Valley Water District                                       | 11.91%         | \$ 444,476          | \$ 537,619            |
| Montecito Water District                                                | 11.24%         | \$ 419,184          | \$ 506,980            |
| Santa Ynez River Wtr Conservation District, ID#1                        | 2.71%          | \$ 88,077           | \$ 122,205            |
| <b>TOTAL</b>                                                            |                | <b>\$ 3,714,682</b> | <b>\$ 4,512,302</b>   |
| <b>Infrastructure Projects Not Assessed in FY 2017-18</b>               |                |                     |                       |
| Goleta Water District                                                   | 36.25%         | \$ (35,127)         | \$ -                  |
| City of Santa Barbara                                                   | 32.19%         | \$ (31,185)         | \$ -                  |
| Carpinteria Valley Water District                                       | 10.94%         | \$ (10,602)         | \$ -                  |
| Montecito Water District                                                | 10.31%         | \$ (9,993)          | \$ -                  |
| Santa Ynez River Wtr Conservation District, ID#1                        | 10.31%         | \$ (3,093)          | \$ -                  |
| <b>TOTAL</b>                                                            | <b>100.00%</b> | <b>\$ (90,000)</b>  | <b>\$ -</b>           |
| <b>ADJUSTED TOTAL NET COMB OPERATING BUDGET</b>                         |                |                     |                       |
| Goleta Water District                                                   | 39.27%         | \$ 1,428,257        | \$ 1,771,984          |
| City of Santa Barbara                                                   | 34.87%         | \$ 1,268,376        | \$ 1,573,513          |
| Carpinteria Valley Water District                                       | 11.91%         | \$ 433,874          | \$ 537,619            |
| Montecito Water District                                                | 11.24%         | \$ 409,191          | \$ 506,980            |
| Santa Ynez River Wtr Conservation District, ID#1                        | 2.71%          | \$ 84,984           | \$ 122,205            |
| <b>TOTAL</b>                                                            |                | <b>\$ 3,624,682</b> | <b>\$ 4,512,302</b>   |
| <b>ADJUSTED TOTAL NET COMB OPERATING BUDGET (QUARTERLY ASSESSMENTS)</b> |                |                     |                       |
| Goleta Water District                                                   | 39.27%         | \$ 357,064          | \$ 442,996            |
| City of Santa Barbara                                                   | 34.87%         | \$ 317,094          | \$ 393,378            |
| Carpinteria Valley Water District                                       | 11.91%         | \$ 108,468          | \$ 134,405            |
| Montecito Water District                                                | 11.24%         | \$ 102,298          | \$ 126,745            |
| Santa Ynez River Wtr Conservation District, ID#1                        | 2.71%          | \$ 21,246           | \$ 30,551             |
| <b>TOTAL</b>                                                            | <b>100.00%</b> | <b>\$ 906,171</b>   | <b>\$ 1,128,076</b>   |

## Notes:

- 1) General & Administrative Expenses are allocated at 65% Operations Division and 35% Fisheries Division with the exception of Legal Fees, Membership dues, Admin Fixed Assets, Education, Travel, Public Info
- 2) Directors fees are allocated equally among all participating member agencies
- 3) South Coast Operations Division is allocated at SCMU Entitlement Percentages
- 4) Fisheries Division is allocated at Cachuma Entitlement Percentages

**COMB OPERATING BUDGET SUMMARY****OPERATIONS AND MAINTENANCE DIVISION – O & M EXPENSES:****Program Description**

To maintain and support all associated costs of operating and maintaining the Tecolote Tunnel, South Coast Conduit and all appurtenant facilities and four regulating reservoirs: Glen Anne, Lauro, Carpinteria, and Ortega reservoirs.

**LABOR – 3100 - 3165**

Operation and Maintenance Labor is actual labor costs of the total salaries and benefits for an Operations Division Manager, a Water Resources Engineer and a four member field crew. The benefits include medical, dental and vision insurance coverage, a \$20,000 life insurance policy per employee, an employee assistance program (EAP), and the Cal-PERS retirement contribution. Starting July 1<sup>st</sup> 2017, classic members began paying a portion of the Employer Paid Member Contribution (EPMC) cost. For fiscal year 2018-19, the classic members contribution rate is set at 2.8%. All employees hired after January 2013 who are not classified as “classic” members will contribute 6.25% of the CalPERS retirement premium from their bi-weekly paycheck. The health, vision, dental and life insurance programs are selected through ACWA/JPIA. The Workers' Compensation premiums are based on payroll calculated at various percentages depending on the category of each employee (clerical, outside sales and field operations). FICA is a mandatory employer expense. A multiple policy discount has been applied as additional savings to the employee benefits program. The overall labor line item includes a 2.56% COLA per the annual calculation.

|                    |                           |               |
|--------------------|---------------------------|---------------|
| Totals by Account: | 3100 Labor Operations     | \$ 510,809    |
|                    | 3155 CalPERS              | 74,234        |
|                    | 3150 Health Insurance     | 163,420       |
|                    | 3150 Workers Compensation | 25,707        |
|                    | 3160 FICA                 | <u>39,077</u> |
|                    | Total of these accounts   | \$ 813,247    |

**VEHICLES & EQUIPMENT - 3201 thru 3204**

The Vehicles and Equipment account is made up of four sub-accounts which include funds for the purchase of vehicles, fuel, parts, inspections and maintenance of vehicles, equipment, and rental of equipment for both replacement and upgrading of the conveyance system. In particular, account 3201 includes supplies necessary to operate vehicles and equipment such as fuel, oil, tires, parts, inspections and labor, etc. This account reflects amounts determined by historical expense data and projected operational needs. Account 3202 contains funds for the purchase of replacement vehicles, equipment or large tools as may be necessary in the fiscal year. Account 3203 includes all rental equipment charges necessary for operation. Account 3204 is utilized for the purchase of small tools, equipment and supplies. These accounts are increased or decreased annually to reflect changes in the price, work plan and number of items appropriately designated to be purchased from these accounts.

## Totals by Account:

|                           |                 |
|---------------------------|-----------------|
| 3201 Vehicle/Equip Maint. | \$ 30,000       |
| 3202 Fixed Capital        | \$ 30,000       |
| 3203 Equipment Rental     | \$ 5,000        |
| 3204 Misc.                | <u>\$ 5,000</u> |
| Total                     | \$ 70,000       |

**CONTRACT LABOR - 3301 thru 3304**

The Contract Labor account contains funds for outside services/labor that cannot be supported by COMB staff which may include elevator repair, tree trimming and removal services, heavy equipment and operators' labor costs for various small projects, meter calibration and meter repair, etc. The amounts have been distributed through 3301, 3302 & 3303 to reflect the costs accurately. Account 3304 is used to hire consultants as necessary for extraordinary engineering, design or study projects.

## Totals by Account:

|                           |                  |
|---------------------------|------------------|
| 3301 Conduit, Meter, Vale | \$ 20,000        |
| 3302 Buildings & Roads    | \$ 20,000        |
| 3303 Reservoirs           | \$ 30,000        |
| 3304 Engineering Misc.    | <u>\$ 25,000</u> |
| Total                     | \$ 95,000        |

**MATERIALS / SUPPLIES - 3401 thru 3403**

The Materials and Supplies account covers costs related to operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. This account includes funding for gravel, fencing, charts, locks, paint, fire extinguishers, etc.

## Totals by Account:

|                           |                 |
|---------------------------|-----------------|
| 3401 Conduit, Meter, Vale | \$ 65,000       |
| 3402 Buildings & Roads    | \$ 8,000        |
| 3403 Reservoirs           | <u>\$ 5,000</u> |
| Total                     | \$ 78,000       |

**OTHER EXPENSES - 3501 thru 3506**

The Other Expenses account includes utilities, uniforms, hazardous waste disposal, communications (phones at facilities and cell phones for operations & maintenance), Underground Service Alerts (USA), employee training and certifications. All of these costs are based on actual charges for the services and changes in amounts are made only as necessary. This account is budgeted slightly less than the prior fiscal year.

|                    |                       |              |
|--------------------|-----------------------|--------------|
| Totals by Account: | 3501 Utilities        | \$ 7,000     |
|                    | 3502 Uniforms         | 5,000        |
|                    | 3503 Communications   | 18,500       |
|                    | 3504 USA & Other Svcs | 4,000        |
|                    | 3505 Misc.*           | 8,000        |
|                    | 3506 Training & Certs | <u>3,000</u> |
|                    | Total                 | \$45,500     |

\*Misc detail:

Operations Division non-fixed assets expenses, computer/software/office supply needs, shipping, refuse/recycle/green waste/non-hazmat material disposal, portable toilets/roll off boxes, operations employment ads/background checks.

|                                                      |              |
|------------------------------------------------------|--------------|
| Non-fixed assets                                     | \$ 1,000     |
| Operations computer/<br>Software/office supply needs | 500          |
| Refuse/recycle, etc.                                 | 3,000        |
| Portable toilets/roll offs                           | <u>3,500</u> |
| Total                                                | \$ 8,000     |

**TOTAL O & M EXPENSES – Operations Division** **\$1,101,747**

**OPERATIONS DIVISION - GENERAL AND ADMINISTRATIVE EXPENSES****Program Description**

The General and Administrative (G & A) accounts reflect costs for support of all administrative functions of COMB. The G & A portion of the budget provides for the time and effort spent by administrative staff in many areas that are to the benefit of all five Member Units of COMB. These include water supply and delivery reports, human resources and risk management, tax, audit, contractual and employment law, salary & benefits, accounting and bookkeeping, communications with Federal, State and local agencies and the general public on a variety of contractual and informational matters. Most of the Administrative accounts are allocated between the Operations Division (65%) and the Fisheries Division (35%).

**DIRECTORS' FEES - 5000**

This account reflects Directors' fees at a rate of \$150.00 per meeting and mileage expenses. The Directors will decide future increases by public meeting and change of ordinance. This cost is allocated between the Operations and Fisheries division.

Total of this account: \$13,000

**AUDIT - 5100**

This account reflects costs for the annual COMB CAFR audit allocated 65% to the operations division and 35% to the fisheries division.

Total of this account: \$22,750

**LEGAL - 5101**

This account reflects costs for the COMB general counsel and any litigation expenses.

Total of this account: \$75,000

**UNEMPLOYMENT TAX - 5150**

COMB belongs to the California State Unemployment "self-insured" program which means that we do not actually pay unemployment premiums, but we must budget for and have the ability to pay any unemployment claims which may arise. This account is an estimate.

Total of this account: \$ 5,000

**LIABILITY / PROPERTY INSURANCE - 5200**

This account reflects insurance costs for coverage provided by ACWA/JPIA for all general liability, property insurance (buildings, personal property, fixed equipment, and catastrophic coverage), crime coverage, employee dishonesty, and replacement costs. The general liability premiums are based on a formula that includes annual payroll as well as a three year loss history of claims. The property insurance premiums are based on value of

property in which coverage is provided. The general liability and property insurance line item is an allocated cost between Operations and Fisheries Divisions.

Total of this account: \$50,551

#### **HEALTH AND WORKERS' COMPENSATION, Retirees Medical - 5201**

This account reflects costs for 65% of all administrative staff health premiums (medical, dental, vision & life), and employee assistance program (EAP), workers' compensation premiums as well as all retiree health premiums. The cost for health premiums is a set premium amount for each employee and their dependents, as well as eligible retirees, depending on hire date. The health, workers compensation and life insurance programs were negotiated through ACWA/JPIA and, although there have been substantial increases in the past, the premiums have remained competitive throughout the years. This line item includes a projected increase in health premiums which may occur in January 2019.

Total of this account: \$234,051

#### **CalPERS - 5250**

This account reflects costs for the California Public Employees Retirement System. The costs are based on 65% of salaries for all COMB administrative staff. The calculation of this account is payroll driven. COMB pays the employer and a portion of the employee cost for classic members and new hires pay 50% of the normal cost contributions. Starting July 1<sup>st</sup> 2017, classic members began paying a portion of the employee cost (EPMC). For fiscal year 2018-19, the classic members contribution rate is set at 2.8%. All employees hired after January 2013 who are not classified as "classic" members will contribute 6.25% of the CalPERS retirement premium from their bi-weekly paycheck.

Total of this account: \$52,325

#### **FICA & MEDICARE - 5339**

This account reflects 65% of the matching share of social security and Medicare taxes for all administrative employees.

Total of this account: \$22,114

#### **ADMINISTRATIVE SALARIES - 5300 - 5307**

This account reflects salaries for the specified positions of General Manager, Administrative Manager, Administrative Assistant III, and Administrative Assistant II at 65% apportionment. The salaries for all administrative staff (except the GM) contain a 2.56% cost of living increase. The COLA calculation is based on a melding of both the Los Angeles / Riverside index with the US City average index for a 13 month rolling period. The salary for the General Manager is set by the COMB Board.

Total of this account: \$289,071

**OFFICE EXPENSE & POSTAGE - 5310**

The Office Expense & Postage account reflects the cost of all office supplies and postage for general and administrative tasks. General and Administrative expenses have been reduced to the lowest level of effective operation.

Total of this account: \$ 5,000

**OFFICE EQUIPMENT/LEASES/SERVICES - 5311**

The Office Equipment/Leases account includes costs associated with leases and quarterly service agreements for postage machine, copier equipment and any maintenance fees.

Total of this account: \$ 9,200

**MISCELLANEOUS ADMINISTRATIVE EXPENSE - 5312**

This account contains funds necessary for office cleaning, board meeting supplies, outside payroll services, building alarm renewal, and miscellaneous expenses. General and Administrative expenses have been reduced to the lowest level of effective operation.

|                       |                 |
|-----------------------|-----------------|
| Office Clearning      | \$ 2,500        |
| Paychex payroll costs | \$ 4,000        |
| Misc. expenses        | <u>\$ 5,000</u> |
| Total                 | \$11,500        |

**COMMUNICATIONS - 5313**

This account contains funds necessary for the telephone service, long distance service, cable internet service, conference call service and cell phone service. General and Administrative expenses have been reduced to the lowest level of effective operation.

Total of this account: \$ 8,500

**UTILITIES - 5314**

This account contains funds necessary to provide utilities to the administrative offices.

Total of this account: \$ 9,737

**MEMBERSHIP DUES - 5315**

This account reflects membership dues for Association of California Water Agencies (ACWA), American Water Works Association (AWWA), California Special Districts Association (CSDA), Government Finance Officers Association (GFOA) and subscriptions for professional publications.

Total of this account: \$ 9,345

**ADMINISTRATIVE FIXED ASSETS - 5316**

This fiscal year's fixed assets include the replacement of computers and office furniture as needed.

Total of this account: \$ 3,000

**COMPUTER CONSULTANT - 5318**

This account was established for an outside consulting company which provides monitoring and technical support for all of our information technology and computer related needs.

Total of this account: \$15,000

**EMPLOYEE EDUCATION / TRAINING - 5325**

This account was established to provide employees with the ability to obtain professional training, required certifications and for management training purposes. This account also provides for human resources and employee related subscriptions. This account remains the same as compared to the prior fiscal year.

Total of this account: \$ 2,000

**ADMINISTRATIVE TRAVEL - 5330**

This account reflects actual travel costs for the COMB staff. This account is also used for attendance at conferences by the General Manager and/or staff.

Total of this account: \$2,000

**PUBLIC INFORMATION - 5331**

This account is available for public information bulletins, website or newsletters in order to communicate with the community in case of emergencies or environmental impacts on the COMB water distribution system or reservoirs.

Total of this account: \$ 3,500

**TOTAL GENERAL AND ADMINISTRATIVE - Operations Division \$ 842,644**

**OPERATIONS DIVISION - SPECIAL GENERAL AND ADMINISTRATIVE**

**INTEGRATED REGIONAL WATER MANAGEMENT PLAN - 5510**

This account has been established for COMB to participate in the development and maintenance of an integrated regional water management plan for Santa Barbara County.

Total of this account: \$ 5,000

**TOTAL SPECIAL GENERAL AND ADMINISTRATIVE -  
Operations Division**

**\$ 5,000**



**OPERATIONS DIVISION - INFRASTRUCTURE IMPROVEMENT PROJECTS \*\*****SCADA SYSTEM – 6062**

\$ 20,000

The “Supervisory Control and Data Acquisition” system (SCADA) serves four objectives:

- (1) Allows the remote adjustment of valves which control the flow of water based on demand.
- (2) Collects and enables the retrieval of historical data at COMB Offices or via remote computer. Information includes flows, reservoir elevations, alarms, communication, turbidity, pH, temperature, and valve positions.
- (3) Provides phone alerts to COMB Operations staff to enable remote corrective action 24/7.
- (4) Increases the efficiency of Operations staff by avoiding onsite corrective action and enhances system reliability.

In FY 2017-18, two Programmable Logic Controllers (PLC) were upgraded to wireless communication devices to ensure reliable and secure access. Critical Programmable Logic Controllers will continue to be upgraded based on evaluation from an engineering consultant. These devices would be phased in over time.

**COMB BUILDING AND GROUNDS REPAIR - 6090**

\$200,000

The COMB Administration office is a 1979 model, purchased used in 1993. The mobile office is in need of replacement due to structural integrity issues.

**GIS AND MAPPING – 6097**

\$ 10,000

This line item will support expenses for licenses required to run the software affiliated with the Right-of-way program and other extraneous mapping needs.

**SCC STRUCTURE REHAB (AVAR/BO VALVES) – 6096**

\$484,400

Air vacuum air release valves (AVAR) are float operated valves which are common to water delivery systems. The AVAR’s function is to allow volumes of air to be exhausted from or admitted into the pipeline to protect the system from a loss of capacity and prevent the pipe from collapsing in the event of a break in the pipe. There are twenty-six AVARs on the Lower Reach of the SCC. Of these, twenty have been rehabilitated; the remaining six will be completed by an outside contractor over the next two fiscal years. Replacement of the AVARs is a USBR Category 1 recommendation.

The riser pipe is the functional connection between the SCC and air vacuum air release valves (AVARs) located in the system. The riser pipe sits directly on top of a man-hole cover and supports a gate valve that sits below the AVAR. Riser pipes exist at all 57 AVAR locations. Twenty riser sections have been identified to pose an operational risk. Replacement and/or relocation of the riser pipes affiliated with the air vacuum air release valves will ensure the functionality of this system component.

Blow-off structures exist on all low points of a water distribution system. The components included in these structures include man-hole covers, lower riser sections, an upper spool section, a gate valve, and blow-off piping. There are a total of sixty-five blow-off structures in South Coast Conduit system. The project consists of replacing the man hole covers, lower risers, gate valves, upper spools, and discharge piping within the Upper and Lower Reaches of the SCC. The project would be completed in conjunction with the AVAR valve replacement and relocation project and coordinated with the affected Member Units during the required system shutdown.

**RIGHT OF WAY IDENTIFICATION PROGRAM – 6105**

\$ 20,000

The Right of Way Project (ROW) inventory will centralize information electronically to facilitate landowner communication regarding pending right-of-way work, provide communication with Santa Barbara permitting agencies, and enable COMB staff response to right-of-way disruptions and issues efficiently by utilizing the GIS inventory. Specific tasks of the project include identifying, locating, and labeling the pipeline through field mapping in GIS and surveying. Sequentially, as data is developed, landowners will be notified of property easements and of COMB's South Coast Conduit responsibilities. The project anticipates placing up to 400 pipeline markers at property lines and alignment changes along the pipeline. Concurrently, COMB will enhance and continue communication with public and private permitting agencies made possible by the inventory. The location and inventory will enable regular site inspection, expedite our ability to precisely locate and identify visible leakage, ground erosion, or new encroachments.

**REPAIR LATERAL 3 STRUCTURE – 6118**

\$100,000

Lateral 3 is a multi-joint pipe configuration contained in a concrete vault located in the Upper Reach of the system. The vault contains a riser coming through the concrete floor, a meter, a valve, and affiliated piping. Lateral three originally functioned as an operational component of Goleta Water District (GWD). This lateral no longer operates as an operational component of GWD and currently functions as a blow-off structure. A new blow-off structure will be re-constructed in its place. The repair would require a shutdown of the SCC and coordination with impacted Member Agencies. The project was designed and under contract in FY 2017-18 and has been delayed due to drought and impacts from the Thomas Fire. Project implementation is planned for the winter of 2018-19.

**REHABILITATE SAN ANTONIO CREEK BLOW-OFF – 6122**

\$ 60,000

The San Antonio Creek blow-off structure was constructed as an addition to the Cachuma Project facilities in 1958. It was constructed to provide a method for water release and draining of Lauro Reservoir during an Emergency Scenario. The structure's sole purpose is to respond to dam safety considerations. The existing structure includes an 18-inch and a 16-inch gate valve. The 18- and 16-inch valves would be removed and replaced. The project will require a shutdown of the South Coast Conduit.

**SYCAMORE CANYON SLOPE STABILIZATION - 6132**

\$500,000

The South Coast Conduit is a concrete-lined, concrete encased steel pipeline extending twenty-six miles from the Goleta reach south to Carpinteria. Erosion caused by severe runoff on dry hillsides affected by the recent five year drought has caused exposure of the pipeline in the Sycamore Canyon section of the system. The exposed portion of the South Coast Conduit is vulnerable to pipeline failure resulting from structural damage, corrosion, and or additional erosion material sliding over the conduit. This vulnerability poses a significant risk to system operation.

This project has been divided into two phases. The first phase would improve the drainage over the conduit to prevent further erosion and stabilize the slope where the pipeline is exposed. The second phase would stabilize the pipeline alignment through Sycamore Canyon improving overall slope stability.

Engineering services were retained in FY 2017-18 to conduct a site evaluation and perform a geotechnical study and project design to stabilize the slope and ensure protection and access to the pipeline. Phase I would implement the repair in accordance with the engineering design, recommendations and specifications.

**SCC ISOLATION VALVE EVALUATION - 6136**

\$ 25,000

To accomplish blowoff and air/vac repairs and upgrades, additional line valves are needed in the South Coast Conduit from Barker Pass to Carpinteria Reservoir. A study is needed to examine customer needs and potential alternatives for determining the most cost-effective way of supplying water to customers. This project is needed for continued operation and maintenance of the South Coast Conduit (SCC) in this section.

**SCC LOWER REACH LATERAL STRUCTURES - 6137**

\$ 50,000

There are forty-four lateral connections housed in concrete cylinder structures on the lower reach of the South Coast Conduit. The function of these connections is to provide water to sections of the Montecito Water District and Carpinteria Valley Water District. Each connection contains a gate valve, a check valve and an air vent component. This project would replace valves, air vents, and check valves on active lateral connections. The project will require shutdowns for the specified turnout distribution supply areas and would be coordinated with the impacted Member Units.

**INFRASTRUCTURE IMPROVEMENT PROJECTS TOTAL****\$ 1,469,400**

**SPECIAL PROJECTS****EMERGENCY PUMPING FACILITIES PROJECT – 6120**

At the regular Board meeting on April 24, 2017, the Board authorized the General Manager to execute a two-year agreement with Cushman Contracting to store key components of the barge. The change order agreement also included an approved amount to re-establish a fully-functioning Emergency Pumping Facility (EPF) if conditions require. Exact timing on deployment of the EPF is dependent on certain factors including, but not limited to, future rainfall, lake elevation, member unit demands, state water imports and downstream water releases. Included in this line item are funds for continued leasing of the facility components per the change order as well as funds for consultant engineering services. COMB staff is regularly monitoring projected lake elevation scenarios for planning purposes. If it becomes likely that the EPF needs to be deployed during this fiscal year, approval for a budget augmentation will be presented to the Board.

Total of this account: \$230,000



**LAKE CACHUMA WATER QUALITY AND SEDIMENT MANAGEMENT PLAN – 6138**

Lake Cachuma is the principal drinking water supply for the South Coast of Santa Barbara County providing surface water supply to the Goleta Water District, City of Santa Barbara, Montecito Water District, and Carpinteria Valley Water District. In addition, Lake Cachuma serves as the conduit for state water deliveries to the South Coast. Diversions from the lake are managed by Cachuma Operation and Maintenance Board. Upstream of Lake Cachuma are Gilbralter Reservoir, owned by the City of Santa Barbara, and Jameson Reservoir, owned by Montecito Water District.

More than half of Lake Cachuma's water shed has been burned by the 2016 Rey Fire and 2017 Whitter Fire and Thomas Fire. The immediate future and mid-term impacts of the fires on water quality are not fully understood. A Lake Cachuma water quality and sediment management plan would develop management actions as part of a program to address raw surface water quality today and in the future. The program would include identification and characterization of issues, mitigation and control projects, and management actions that may include, but not be limited to, sampling and data collection, in-lake treatment, erosion control, and watershed management. The Program would be developed in coordination with agencies that manage, operate, and use the lake and its watershed.

Total of this account: \$417,000



**TOTAL IIP and Special Projects** **\$ 2,116,400**

**TOTAL OPERATIONS DIVISION BUDGET** **\$ 4,065,791**

**\*\* Board policy requires all projects to be approved thru Committee and by the Board prior to commencement**



**FISHERIES DIVISION – O&M EXPENSES****Program Description**

To maintain and support all associated costs of operation and maintenance as they relate to the implementation of the NMFS Biological Opinion and the Lower Santa Ynez River Fish Management Plan.

**LABOR – 4100 - 4152**

The Fisheries Division Labor line item reflects labor costs and benefits for a Senior Resource Scientist, a three member field crew, and four part-time seasonal bio-aide positions. The benefits include medical, dental and vision insurance coverage, a \$20,000 life insurance policy per employee, deferred compensation, matching social security contributions, mandatory workers' compensation coverage, an employee assistance program (EAP), FICA/Medicare and a CalPERS retirement contribution (2% @ 55 formula - All employees hired after January 2013 who are not classified as "classic" members will contribute 6.25% of the CalPERS retirement premium from their bi-weekly paycheck). This line item includes a 2.56% COLA per the annual calculation.

## Totals by Account

|                           |                  |
|---------------------------|------------------|
| 4100 Labor Biology Crew   | \$379,830        |
| 4114 Labor Seasonal Crew  | \$ 68,000        |
| 4151 CalPERS              | \$ 67,259        |
| 4150 Health Insurance     | \$120,669        |
| 4150 Workers Compensation | \$ 22,392        |
| 4152 FICA                 | <u>\$ 34,259</u> |
| Total                     | \$692,409        |

**VEHICLES & EQUIPMENT - 4270 thru 4290**

The Vehicles and Equipment section is made up of three accounts which include funds for the purchase of vehicles, fuel, parts, inspections and maintenance of vehicles and equipment. Account 4270 includes supplies necessary to operate vehicles and equipment such as fuel, oil, tires, parts, inspections and labor, etc. This account reflects amounts determined by historical expense data and projected operational needs. Account 4280 contains funds for the purchase or replacement of equipment or large tools as may be necessary in the fiscal year,. Account 4290 includes funding all miscellaneous items affiliated with vehicles or equipment. These accounts are increased or decreased annually to reflect changes in the price and number of items appropriately designated to be purchased from these accounts.

## Totals by Account:

|                    |                 |
|--------------------|-----------------|
| 4270 Vehicles      | \$15,000        |
| 4280 Fixed Capital | \$15,000        |
| 4290 Miscellaneous | <u>\$ 2,500</u> |
| Total              | \$32,500        |

**CONTRACT LABOR – 4220, 4222**

The Contract Labor account contains funds for outside services/labor to support equipment calibration on flow meters and sonde meters, and funds for technical assistance corresponding to the operation, maintenance and performance review of completed fish passage projects. Completed tributary projects at Rancho San Julian, Cross Creek Ranch, and Quiota Creek Crossings require annual performance evaluation; licensed fish passage engineers need to conduct the structural evaluation whereas the biological evaluation and report are done by COMB staff.

Totals by Account:

|                      |                 |
|----------------------|-----------------|
| 4220 Equip Calib.    | \$ 3,000        |
| 4222 Projects Maint. | <u>\$25,000</u> |
| Total                | \$28,000        |

**MATERIALS / SUPPLIES - 4390**

The Materials and Supplies account covers costs for the purchase of materials needed for the Fisheries Monitoring Program specifically monitoring for migration, spawning and over-summering such as constructing and repairing fish migration traps (pvc, netting, plywood, locks, waders, etc.) and the equipment necessary to conduct snorkel (dry suit, masks, snorkels, hoods, gloves, etc.) and redds surveys (waders, clipboards, etc).

Total of this account: \$ 7,000

**OTHER EXPENSES - 4502**

The Other Operating Expenses account includes funds to pay for uniforms and gear for the fisheries employees. This account is based on actual charges for the above services and changes in amounts are made only as necessary.

Total of this account: \$ 3,500

**TOTAL O & M EXPENSES – Fisheries Division \$763,409**



**FISHERIES DIVISION - GENERAL AND ADMINISTRATIVE****Program Description**

The General and Administrative accounts reflect costs for support of all fisheries division administrative functions of COMB. The salaries and benefits are divided at a 65% - 35% basis between the Operations Division and the Fisheries Division based on payroll allocations. General and Administrative expenses have been reduced to the lowest level of effective operation for FY 2018-19.

**DIRECTORS FEES - 5426**

This account reflects Directors' fees at a rate of \$150.00 per meeting and mileage expenses. The Directors will decide future increases by public meeting and change of ordinance. This cost is allocated between Operations and Fisheries divisions.

Total of this account: \$ 7,000

**LEGAL - 5407**

This account reflects the costs for General Counsel expense affiliated with the Fisheries Division program of work.

Total of this account: \$20,000

**AUDIT - 5441**

This account reflects costs for a portion of the annual COMB CAFR audit.

Total of this account: \$12,250

**LIABILITY/PROPERTY INSURANCE - 5443**

This account reflects a portion of insurance costs for coverage provided by ACWA/JPIA for all general liability and property i.e., buildings, structures, computers, modular furniture, copiers, postage meters, vehicles and replacement costs of all properties belonging to COMB.

Total of this account: \$24,745

**HEALTH AND WORKERS' COMPENSATION - 5401**

This account reflects costs for 35% of all administrative staff health premiums (medical, dental, vision & life), and employee assistance program (EAP), deferred compensation and workers' compensation premiums. The cost for health premiums is a set premium amount for each employee and their dependents. The health and life insurance programs were negotiated through ACWA/JPIA and although there have been substantial increases in the past, the premiums have remained competitive throughout the years. This line item includes a projected increase in health premiums which may occur in January 2019.

Total of this account: \$38,883

**CalPERS - 5402**

This account reflects 35% percent of costs for the California Public Employees Retirement System for administrative personnel charged to the fisheries division. COMB pays the employer and a portion of the employee cost for classic members and new hires pay 50% of the normal cost contributions. Starting July 1<sup>st</sup> 2017, classic members began paying a portion of the employee cost (EPMC). For FY 2018-19, the classic members contribution rate is set at 2.8%. All employees hired after January 2013 who are not classified as "classic" members will contribute 6.25% of the CalPERS retirement premium from their bi-weekly paycheck.

Total of this account: \$28,175

**FICA & MEDICARE - 5403**

This account reflects 35% of the matching share of social security and Medicare taxes for all administrative employees.

Total of this account: \$11,907

**SALARIES - 5404, 5405, 5408, 5409, 5419**

This account reflects a 35% allocation of salaries for the General Manager, Administrative Manager, Administrative Assistant III, and Administrative Assistant II.

Total of this account: \$155,654

**POSTAGE / OFFICE SUPPLIES EXPENSE - 5410**

The Office Expense & Postage account reflects the cost of all office supplies and postage for general and administrative tasks attribute to the fisheries division.

Total of this account: \$ 4,000

**OFFICE EQUIPMENT/LEASES/SERVICES - 5411**

The Office Equipment / Leases account includes the fisheries division portion of leases and quarterly service agreements for postage machine, copier equipment and any maintenance fees.

Total of this account: \$ 5,418

**MISCELLANEOUS ADMINISTRATIVE EXPENSE - 5412**

This account contains funds necessary for office cleaning, Board meeting supplies, Paychex payroll costs, outside copy costs and other minor miscellaneous expenses.

Total of this account: \$ 7,500

**COMMUNICATIONS - 5413**

This account contains funds necessary for the telephone service, long distance service, cable internet service, and staff cell phones.

Total of this account: \$ 5,805

**UTILITIES - 5414**

This account contains funds necessary to provide utilities to the administrative offices affiliated with the fisheries division program of work.

Total of this account: \$ 5,243

**MEMBERSHIP DUES - 5415**

This account reflects costs for membership dues for the American Fisheries Society as well as a portion of ACWA dues as they pertain to the fisheries division employees. This account also covers subscriptions for professional publications.

Total of this account: \$ 5,955

**ADMINISTRATIVE FIXED ASSETS - 5416**

This fiscal year's fixed assets include the purchase of computers according to the replacement schedule and office equipment / furniture as needed.

Total of this account: \$ 3,000

**COMPUTER CONSULTANT / SOFTWARE LICENSES - 5418**

This account was established to fund needs for all computer and internal network systems support through outside computer consultant services. It also accommodates purchasing and updating of software licenses.

Total of this account: \$ 7,000

**EMPLOYEE EDUCATION / SUBSCRIPTIONS - 5425**

This account was established to provide employees with the ability to obtain professional training, required certifications and for management training purposes specifically for in field and office operations, and safety and regulatory compliance. This account also provides for employee related subscriptions to professional fisheries organizations.

Total of this account: \$ 2,500

**ADMINISTRATIVE TRAVEL - 5430**

This account provides for actual travel costs for professional conferences, seminars, training, and strategy meetings that are attended by the General Manager and/or staff throughout the fiscal year.

Total of this account: \$ 2,500

**PUBLIC INFORMATION - 5431**

This account is for miscellaneous costs that may arise out of public records act requests, newsletters, webpage support or other public information requirements.

Total of this account: \$1,500

**TOTAL GENERAL AND ADMINISTRATIVE EXPENSES**

**Fisheries Division - \$ 349,035**



**FISHERIES DIVISION - SPECIAL PROJECTS****BIOLOGICAL OPINION/FMP IMPLEMENTATION - 6201**

This line item provides funding for outside consultant support on activities which include participation in the NFMS Biological Opinion compliance preparation as well as review of technical reports, study plans, participation in coordination and review meetings and conference calls.

**BO Compliance Tasks and Support**

\$38,000

This task addresses ongoing Cachuma Project Biological Opinion (BO) compliance efforts and implementation of the Lower Santa Ynez River Fisheries Monitoring Program (FMP). As needed, consultants will provide technical and analytical support and review of the fisheries monitoring program and any proposed study plans. This may require participation on the Science Advisory Committee to obtain consensus on the recommendations. A fish passage engineer will review, evaluate, and develop technical elements of fisheries related monitoring, fish passage and restoration program elements. In addition, this item includes bio-statistician support and genetic tissue analysis (fish fin clips) conducted by a National Marine Fisheries Service certified geneticist. Activities may involve background research, concept development, content development and production schematics support for the ongoing BO and FMP activities.

**AMC and CC Participation and Technical Support**

\$2,000

Conference calls preparation and follow-up per call as well as participation in face-to-face meeting of the Adaptive Management Committee (AMC) and Consensus Committee (CC) if necessary. Technical support to COMB in preparing work products for the AMC and the CC as required.

**Review of Fisheries Monitoring Reports**

\$20,000

Review of any fisheries monitoring reports that are prepared by the Cachuma Project Biology Staff. These reports would be compliance measures for terms and conditions presented in the BO and would include the Annual Monitoring Report and technical memos prepared for Reclamation as well as the AMC, CC or COMB Board. This may include participation on the Science Advisory Committee to discuss comments on the reviewed reports.

Total of this account: \$ 45,000

**GIS AND MAPPING - 6202**

This account provides funds for the purchase and maintenance of the GIS and GPS system components, software (ESRI, AutoCAD, Field Maplet, MapLogic, Photoshop), hardware, aerial imagery, and GIS/GPS technical support.

Total of this account: \$10,000

**GRANTS AND SEMINAR TECHNICAL SUPPORT - 6203**

This account provides funds for restoration grant technical evaluation and review to assure the most complete, thorough and competitive grant application possible in support of the Fisheries Program. In addition, these funds will be used for needed technical seminars on specific subjects in support of the endangered southern steelhead on the Lower Santa Ynez River.

Total of this account: \$10,000

**SYR HYDROLOGY TECHNICAL SUPPORT - 6204**

This project includes funding for consultants who provide hydrologic support for analyzing operations in the SYR basin and operations for the Fisheries Program.

Total of this account: \$ 6,000

**USGS STREAM GAUGE PROGRAM - 6205**

This line item is to fund the required stream discharge and water quality monitoring on the lower Santa Ynez River and its tributaries in compliance with the NMFS Biological Opinion.

Total of this account: \$100,000

**TRI COUNTY FISH TEAM FUNDING - 6206**

This line item is to fund COMB's agreed upon portion of the MOU for financial support of the Tri-County salmonid restoration efforts.

Total of this account: \$ 5,000

**TOTAL PROGRAM SUPPORT SERVICES \$176,000**

**FISHERIES DIVISION - HABITAT IMPROVEMENT PLAN PROJECTS \*\*****OAK TREE RESTORATION PROGRAM - 6207**

This line item is to fund the tenth year of oak tree planting efforts at several planting sites bordering the Cachuma Lake and Bradbury Dam. This planting and maintenance program is intended to result in a 2:1 replacement of oak trees lost due to the higher water elevations during surcharge events.

Total of this account: \$40,000

**TRIBUTARY PROJECTS SUPPORT CONSULTANT - 6303**

This line item is to fund technical assistance provided by a fish passage engineer for tasks anticipated to include refinement of monitoring methods and procedures, hydraulic review of fish passage within a stream network, troubleshooting of general operation and maintenance issues, and review of miscellaneous technical data and reporting.

Total of this account: \$20,000

**QUIOTA CREEK CROSSING No. 8 - 6315**

This line item is to fund the continued design and permitting of a fish passage improvement project on Quiota Creek Crossing No. 8. Design engineering will continue toward 100% design level. Grant applications have been submitted for this project which is projected to be constructed during fiscal year 2019-20.

Total of this account: \$30,000

**QUIOTA CREEK CROSSING No. 5 - 6316**

This line item is to fund the continued design and construction of a fish passage improvement project for Quiota Creek Crossing No. 5 which is slated to take place in the fall of 2018. The CDFW has awarded grant funding of \$893,287 toward this project. COMB's net obligation for completion of this project is approximately \$67,000.

Total of this account: \$960,000

**SALSIPUEDES FISH LADDER REPAIR - 6317**

This line item is to fund the repair of the fish ladder originally installed on Salsupuedes Creek in 2004. The anticipated fix will include a modification to each weir invert to reverse the angle, enhance the grade control structure to focus more flow through the fish ladder, and install two weirs downstream to increase the scour pool height for easier access to the fish ladder.

Total of this account: \$ 8,000

**QUIOTA CREEK CROSSING No. 9 - 6318**

This line item is to fund the continued design and construction effort for a fish passage improvement project for Quiota Creek Crossing No. 9 which is slated to be constructed in late summer / fall of 2018. The CDFW has awarded grant funding of \$993,121 toward this project. COMB's net obligation for completion of this project is approximately \$18,000.

Total of this account: \$1,115,996

**TOTAL HABITAT ENHANCEMENTS \$2,173,996**

**TOTAL PROGRAM SUPPORT AND HIP: \$2,349,996**

**TOTAL FISHERIES DIVISION BUDGET: \$3,462,440**

**TOTAL COMB BUDGET 2018-2019 \$7,528,231**



Lake Cachuma County Park

**\*\* Board policy requires all projects to be approved thru Committee and by the Board prior to commencement**



Cachuma Operation and Maintenance Board  
3301 Laurel Canyon Road  
Santa Barbara, CA 93105  
[www.cachuma-board.org](http://www.cachuma-board.org)

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|              |               |
|--------------|---------------|
| Date:        | June 25, 2018 |
| Prepared by: | Joel Degner   |
| Approved by: | Janet Gingras |

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**SUBJECT:**            **Cachuma Conveyance Operations FY 2018-19**  
**Emergency Pumping Facility Project Implementation Recommendation**

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**BACKGROUND:**

Based on the Member Agencies demand forecasts for imports and exports into Lake Cachuma and Santa Ynez River Water Conservation District forecasted downstream releases, the elevation of Lake Cachuma could reach 695 feet above mean sea level (ft amsl) in August 2018 during the expected 2018 downstream water rights release. However, the loss of gravity flow is not forecasted to occur for another year (in August 2019) during potential 2019 downstream releases. The loss of gravity flow is due to siltation over the years and will require installation of the Emergency Pumping Facility Project (EPFP) to restore operational capacity and maintain stored water deliveries and continued State Water Project (SWP) deliveries to the South Coast.

In April 2017, the Member Agencies discussed and the Board approved an extension of the EPFP contract with Cushman Contracting Corporation (CCC) for storage of key equipment for potential future use. As part of this alternative, COMB negotiated a very low storage cost for the components (\$7,000/month) and significant reductions in price for the installation (60%) and monthly operational costs (37%) with CCC under Change Order No. 15. As it stands, the EPFP implementation will be significantly less than it was during 2014-2017, even with increased costs for steel, HDPE pipe, and labor since that time.

Under Change Order No. 15, item 2c states that pile driving must begin before elevation of the lake reaches 695 feet and further, if COMB has not issued the Notice to Proceed (NTP) prior to this elevation, CCC and COMB will work together to develop a mutually acceptable schedule for facility reconstruction. If the EPFP was installed per Change Order No. 15 (Option 1: Full Deployment) at a lump sum of \$1,488,000 in August 2018, it would remain in standby for approximately 1 year (similar to what occurred in 2014-15). If a wet year occurs in the winter of 2018-19, the EPFP would need to be demobilized without being utilized. Using the recent hydrology that occurred from 2000-2017, 44 percent of the years were wet enough to require demobilization.

Given the possibility that the EPFP could be installed and not utilized due to a wet winter in 2018-2019 COMB staff obtained two additional options from CCC as described below:

**Option 2 - Partial Deployment** - CCC has provided the option to install the EPFP components in two mobilizations. A partial installation of the pilings and pipeline would occur this summer with deployment of the pumping station following the winter of 2018-19. The cost to install the pipeline and pilings would be \$846,000. The ongoing storage costs of \$7,000 per month for the stored key equipment components would continue until the pumping station is resurrected. The remaining installation costs of \$720,000 per contract would be increased by \$78,000 for the additional mobilization effort, but the monthly standby costs of \$30,000 would be reduced to \$20,000 until the pump station installation is completed.

**Option 3 - Delay Deployment** – CCC provided a cost of \$178,375 to delay deployment of the entire system. The cost is based on the requirement of using a larger work crane to install the pilings. However, this option would present risks for operations and would require the elimination of liquated damages for the contractor until the pump station is operational. In addition, the construction window would be extended from 90 days to 120 days. Under this option, the Notice to Proceed would be provided 45 calendar days before the lake reaches an elevation of 685'. In addition, CCC

would be provided a minimum of 120 days at a lake elevation of 680' or above for the facility to be operational. Standby operations would be discontinued and site 1 operations shall commence at elevation 679'. Mobilization and reconstruction of the facility at a lake elevation lower than 695' would add \$178,375 to the lump sum cost.

A summary of the costs for the EPFP options are provided below (Table 1). Costs include installation, operation & maintenance, and electrical costs. The total implementation costs in a Dry Water Year 2019 (WY19), where the drought continues and the EPFP is needed, is compared to costs in a Wet WY19, where the inflow into Lake Cachuma would rebound lake levels and require removal of the EPFP and components.

**Table 1. Summary of EPFP Options**

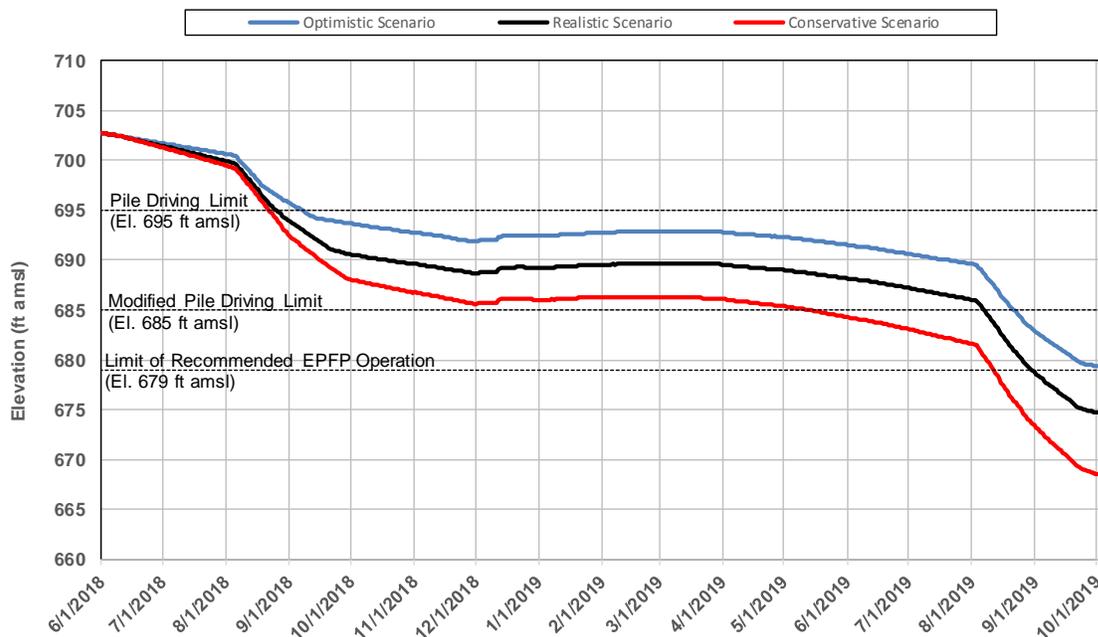
| EPFP Extended Contract Operations Options | FY 2018-19 Costs with Dry WY19 | FY 2018-19 Costs with Wet WY19 |
|-------------------------------------------|--------------------------------|--------------------------------|
| Option 1: Full Deployment                 | \$1,929,000                    | \$2,090,000                    |
| Option 2: Partial Deployment              | \$1,980,000                    | \$1,130,000                    |
| Option 3: Delay Deployment                | \$1,900,375                    | \$84,000                       |

**FORECASTED LAKE ELEVATIONS**

COMB, in collaboration with the Member Agencies, has developed a Lake Elevation Projection Model. The model forecast assumes a repeat of dry year hydrology (evaporation, rainfall, inflow) similar to WY 2014 for the remainder of WY 2018 and repeat of dry year hydrology in WY 2019 for the WY 2019. It also assumes the 2000 Biological Opinion mandated releases at Hilton Creek. The three main variables that affect the lake levels outside of the weather are: 1) the magnitude of the WR 89-18 downstream release; (2) exports or diversions from the lake to the South Coast Conduit (SCC) through the Tecolote Tunnel; and (3) the imports to the lake of State Water Project (SWP) water through the Central Coast Water Authority (CCWA) pipeline. Estimates of downstream releases are based on recent historic releases (Table 2). Exports to the SCC and CCWA inflows are based on monthly Member Agency forecasts. Santa Ynez River Water Conservation District forecasts a downstream release of up to 10,000 acre-feet starting in August 2018. The assumptions for the three scenarios (Optimistic, Realistic, and Conservative) are provided in Table 2 below.

**Table 2. Lake Elevation Projection Scenarios**

| Parameter        | Optimistic      | Realistic           | Conservative        |
|------------------|-----------------|---------------------|---------------------|
| SCC Exports      | 80% of Forecast | Forecast            | 120% of Forecast    |
| CCWA Inflow      | Full Capacity   | Forecast (80% Full) | Forecast (80% Full) |
| WR 89-18 Release | 8,000 AF        | 10,000 AF           | 12,000 AF           |



**Figure 1. Forecasted Lake Elevations Under Various Scenarios (updated through June 11, 2018)**

The model has been updated with data through June 11, 2018. Under all three scenarios (Optimistic, Realistic, and Conservative), the forecasted lake elevations meet the terms of Option 3: Delay Deployment, which would delay deployment until after the wet season (March 2019). Elevations are forecasted to be above 685' on March 1, 2019 and remain above 680 ft. amsl for 120 days. Based on the modeling, the Notice to Proceed should be provided March 15, 2019 or sooner to allow the construction of the EPFP in 120 days.

Pursuant to Section 2(c) of Change Order No. 15, dated May 1, 2017, Change Order No. 17 provides a modification to Change Order No. 15, providing a mutually-agreeable schedule for mobilization and reconstruction of the drought EPFP in the event that COMB has not issued a Notice to Proceed for facility reconstruction prior to Lake Cachuma reaching an elevation of 695 feet. As such, all terms, conditions and provisions of Change Order No. 15 remain in full force and effect, except that Section 2(c) of Change Order No. 15 would be modified as follows:

- Both parties have agreed that as an alternative to issuing a Notice to Proceed at lake elevation 695', a Notice to Proceed shall be issued to Cushman Contracting Corporation (CCC) no later than 45 days before the lake drops below elevation 685', to mobilize and install the pilings and pipeline to Site 1 and build the pump station.
- The pump station will be located approximately 200 feet northwest of the Site 1 location used in 2015.
- After the Notice to Proceed is issued, CCC shall have a minimum of 120 days at a lake elevation of 680' or above for the facility to be operational. However, because neither party has control over the lake elevation, if the elevation drops below 680' during the 120-day period, which elevation drop may cause additional costs to be borne by CCC, COMB shall pay CCC on a time and materials basis for additional costs incurred.
- No liquidated damages will be charged until the pump station is fully operational.
- Standby operations shall be discontinued and Site 1 operations shall commence at elevation 679' to prevent unnecessary wear and tear on the intake box and discharge pipe, in particular the snorkel.

Mobilization and reconstruction of the facility at a lake elevation lower than 695' would add \$178,375 to the lump sum cost for facility reconstruction (\$1,488,000), for a total lump sum reconstruction cost of \$1,666,375. Based on the current lake conditions and forecasted lake elevations, COMB staff recommends delaying deployment of the EPFP. If dry conditions continue, the Notice to Proceed for the EPFP may need to be provided in March 2019. COMB staff will continue to monitor and model the lake elevations to ensure that the forecast remains on track for Water Year 2018-19.

**FINANCIAL IMPACT:**

If mobilization of the Emergency Pumping Facility becomes necessary, a budget augmentation will be presented to the Board.

**LEGAL CONCURRENCE:**

General Counsel reviewed the terms and provisions outlined in Change Order No. 17.

**COMMITTEE STATUS:**

The Operations Committee reviewed the terms of the proposed change order and forwards the authorization for the General Manager to execute Change Order No. 17 with CCC in an amount not to exceed \$178,375 to the Board with a recommendation to approve.

**RECOMMENDATION:**

The Board approve the option to delay deployment of the EPFP and authorize the General Manager to execute Change Order No. 17 with CCC in an amount not to exceed \$178,375.

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|               |                           |
|---------------|---------------------------|
| Date:         | June 25, 2018             |
| Submitted by: | Joel Degner, Dave Stewart |
| Approved by:  | Janet Gingras             |

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**SUBJECT:** Sycamore Canyon Slope Stabilization Project (2016-C-3) – Proposal for Final Engineering Design and Bid Phase

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**SUMMARY:**

During a facility inspection following severe winter storms in February 2017, Cachuma Operation and Maintenance Board (COMB) staff discovered a slope failure on a hillslope in the Sycamore Canyon area of Montecito along the South Coast Conduit (SCC). The slope failure exposed a portion of the SCC (30-inch diameter concrete-lined, concrete-encased steel pipeline). The SCC at this location (Sta 232+25) is on a 70 percent slope approximately 30 feet above a tributary of Sycamore Creek. The slope failure appears to be the result of concentrated flow from the hillslope above. This exposed portion of the SCC is vulnerable to pipeline failure resulting from structural damage, corrosion, and or additional erosion material sliding over the conduit. The vulnerability poses a significant risk to system operation.



COMB developed and sent out a Request for Proposal (RFP) for a topographic survey, geotechnical analysis, and preliminary designs. Due to the potential variation in level of effort for design, the RFP only included the preliminary engineering design. Flowers and Associates, Inc. was selected to complete the initial scope of work for an amount not to exceed \$137,200. The final designs, incorporating the results of the survey and geotechnical analysis, must be completed prior to project implementation.

Based on the geotechnical analysis, the slope failure in February 2017 was due to localized surficial scour and did not involve a failure on a deeper slope plane. However, the geotechnical analysis also found the overall slope stability could be improved along the SCC alignment in the area. The project has been divided into two phases. The first phase would improve the drainage over the conduit that created the surficial scour and exposed the pipe and stabilize the slope where the pipeline was exposed. The second phase would stabilize the alignment in the area and improve overall slope stability.

Flowers and Associates Phase 1 proposed design involves installing a buried caisson wall (70-ft long) downslope of the conduit to support the pipeline. The buried wall would stabilize the immediate slope and secure the pipeline without impacting the creek below or working outside of the existing right-of-way for the pipeline. Concentrated flow that caused the damaged to the hillslope would be controlled in a swale along the access route and conveyed to the creek in a protected manner. In addition, two smaller buried caisson walls (30-ft long and 35-feet long respectively) would be installed along the conduit (outside of the creek) to protect against potential future stream bank erosion which could destabilize the toe of the slope and impact the conduit. The engineer's estimate of construction cost for the Phase 1 portion of this project \$380,000.

The plan is to complete construction in the late summer/fall timeframe (September to October) to secure the conduit before the next winter's rain. Completing the design and issuing the bid is critical to maintaining this schedule.

Flowers and Associates has provided a proposal to complete the design plans, provide for structural engineering review and reporting, and prepare the specifications and bid documents for the bidding process. The proposed cost of this work is \$41,000.

**FISCAL IMPACTS:**

The Sycamore Canyon Slope Stabilization Project budget for fiscal year 2017-18 is \$300,000. The Board authorized execution of a professional services agreement with Flowers and Associates to provide a topographic survey, the geotechnical analysis, and preliminary engineering designs for the project in an amount not to exceed \$137,200. The cost to complete the additional proposed scope of work is allocated within the current fiscal year approved budget and will be carried forward into fiscal year 2018-19 to support the expenditures affiliated with this scope of work.

**COMMITTEE STATUS:**

The Operations Committee reviewed the proposal and forwards the authorization for the General Manager to execute a change order with Flowers and Associates for the Sycamore Canyon Slope Stabilization Project in an amount not to exceed \$41,000 to the Board with a recommendation to approve.

**RECOMMENDATION:**

The Board approve and authorize the General Manager to modify the Professional Services Agreement with Flowers and Associates, Inc. for the Sycamore Canyon Slope Stabilization Project in an amount not to exceed \$41,000 for final design and bid services for a total contract amount of \$178,200.

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|               |               |
|---------------|---------------|
| Date:         | June 25, 2018 |
| Submitted by: | Tim Robinson  |
| Approved by:  | Janet Gingras |

**SUBJECT: Scopes of Work – Professional Consulting Services for Fiscal Year 2018-19**

### **SUMMARY:**

Annually, Scopes of Work for Fisheries Division consultants are drafted, reviewed and incorporated into the annual COMB budget prior to execution of the corresponding Professional Services Agreements. Consultants assist COMB staff to implement compliance measures within the Cachuma Project Biological Opinion (2000), Lower Santa Ynez River Fish Management Plan (2000), Biological Assessment (1999 and 2000) and EIR/EIS (2004). Consultant tasks are outlined within the Scopes of Work and carefully managed to assure timely delivery of the requested work product. Scopes of Work for Fiscal Year 2018-19 are attached for review; the associated financial obligation has been incorporated in the draft COMB Operating budget for fiscal year 2018-19.

Specified consultants were chosen due to their expertise, legacy knowledge of the Cachuma Project and associated Biological Opinion, long-term and excellent service, completed engineering and design work where annual monitoring and reporting are required, or in-depth project specific design knowledge. Per the established COMB procurement policy, included as exhibits are the consultants' scopes of work exceeding the General Manager's authority including sole-source justification as supporting documentation. All potential consultants and estimated costs are listed in Table 1.

**Table 1:** Potential consultants for Fiscal Year 2018-19.

| Tasks                                                                                                                            | Consultant                      | Estimated Amount |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|
| BO/FMP Implementation and Technical Support                                                                                      | Biologist Consultant - TBD      | \$10,000         |
| BO/FMP Implementation, Technical Support, Hydrologic Support                                                                     | Hydrology Consultant - TBD      | \$12,000         |
| Fish Passage Engineering, Engineering Oversight, Project Performance Evaluation, and BO/FMP Implementation and Technical Support | HDR                             | \$135,800        |
| Lake Cachuma Oak Tree Program and General Arborist Consulting                                                                    | Ken Knight                      | \$10,000         |
| Project Performance Evaluation                                                                                                   | Northwest Hydraulic Consultants | \$3,000          |
| Santa Barbara County and Caltrans Consulting for the Quiota Creek Crossing<br>8 Project (if the grant is funded)                 | com3 consulting                 | \$24,000         |

### **FINANCIAL IMPACT:**

Projected expenditures are reflected in the draft Fiscal Year 2018-19 COMB Operating budget.

### **COMMITTEE STATUS:**

The Fisheries Committee reviewed the Fiscal Year 2018-19 Scopes of Work and sole-source justification for the identified consultants which support execution of the corresponding Professional Services Agreements for Fisheries Division Consultants and forwards to the Board with a recommendation to approve.

**RECOMMENDATION:**

The Board approve the Fiscal Year 2018-19 Scope of Work (Exhibit 1) and sole-source justification (Exhibit 2) for the identified consultant and authorizes execution of the corresponding Professional Services Agreement for HDR as presented.

**LIST OF EXHIBITS:**

1. Scope of Work for HDR - Fiscal Year 2018-19
2. Consultant Sole-Source Justification for HDR

**HDR Engineering, Inc.**  
**Cachuma Project Fisheries Assistance**

**Exhibit A**

**Period of Performance and Scope of Work**  
**Fiscal Year 2018-2019**  
**July 1, 2018 through June 30, 2019**

**I. Period of Performance**

The following scope of work is to be completed by HDR Engineering within the Fiscal Year beginning July 1, 2018 and ending June 30, 2019 (FY 2018-2019, or FY19).

**II. Scope of Work FY 2018-2019**

**Task 1: BO/FMP implementation and technical support      Task Estimated Cost: \$ 4,000**

This task provides support for actions outlined in the Cachuma Project Biological Opinion (BO) and Lower Santa Ynez River Fish Management Plan (FMP).

Task 1.1 BO/FMP Compliance Tasks and Support      *Estimated Cost: \$ 1,000*

HDR Engineering will provide assists as needed with the ongoing BO/FMP compliance and implementation efforts. This may include technical and analytical support and review of the fisheries monitoring programs and any proposed study plans.

Task 1.2 Fisheries monitoring program support      *Estimated Cost: \$ 3,000*

HDR Engineering will review, evaluate, and develop technical elements of fish passage and fisheries related monitoring programs being implemented by COMB. Activities are anticipated to include: background research; program monitoring and design descriptions; and concept schematics. Data review, synthesis, and meeting attendance will be performed as directed by COMB.

**Task 2: Project Operation and Maintenance      Task Estimated Cost: \$ 11,800**

This task provides technical assistance with operation, maintenance and performance reporting of completed tributary fish passage projects designed by HDR.

Task 2.1 Quiota Creek Crossing 0A – O&M technical      *Estimated Cost: \$ 1,400*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 0A restoration project. Tasks are anticipated to include: one to two site visits per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and

rock weir; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.2 Quiota Creek Crossing 1 – O&M technical

*Estimated Cost: \$ 1,400*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 1 restoration project. Tasks are anticipated to include: one to two site visits per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and rock weir; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.3 Quiota Creek Crossing 2 – O&M technical

*Estimated Cost: \$ 1,400*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 2 restoration project. Tasks are anticipated to include: one to two site visits per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and rock weir; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.4 Quiota Creek Crossing 3 – O&M technical

*Estimated Cost: \$ 1,400*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 3 restoration project. Tasks are anticipated to include: one to two site visits per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and rock weir; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.5 Quiota Creek Crossing 4 – O&M technical

*Estimated Cost: \$ 1,400*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 4 restoration project. Tasks are anticipated to include: one to two site visits per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and rock weir; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.6 Quiota Creek Crossing 6 – O&M technical

*Estimated Cost: \$ 1,400*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 6 restoration project. Tasks are anticipated to include: one to two site visits per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the four grade control rock weirs; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.7 Quiota Creek Crossing 7 – O&M technical

*Estimated Cost: \$ 1,400*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 7 restoration project. Tasks are anticipated to include: one to two site visits per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and rock weir; review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

Task 2.8 El Jaro Creek at Rancho San Julian project –O&M technical *Estimated Cost: \$ 2,000*

HDR Engineering will provide technical assistance to COMB corresponding to the operation, maintenance, and performance review of the Rancho San Julian fish passage project. Tasks are anticipated to include: refinement of monitoring methods and procedures; hydraulic review of fishway performance; troubleshooting of general operation and maintenance issues; one to two site visits per year to survey the facility, review of technical data collected by COMB; and assistance in preparation of an annual performance evaluation (engineering and fisheries) report. Activities will be performed by an Engineer as directed by COMB.

**Task 3: Habitat Improvements**

**Task Estimated Cost: \$ 120,000**

This task provides design support and engineering oversight for specific proposed or in construction tributary fish passage projects designed by HDR.

Task 3.1 Tributary Projects – technical support

*Estimated Cost: \$ 20,000*

HDR Engineering will support COMB in the implementation of fish passage projects along Quiota creek synonymous with the results presented in the Quiota Creek Watershed Fish Passage Enhancement Plan. Activities conducted under this task and as directed by COMB shall include: support of grant proposal development; preparation of concept level Engineer’s construction drawings and cost opinions; preparation of project descriptions and development of technical data; and coordination with agencies and local governments in regards to fish passage guidelines.

Task 3.2 Quiota Creek Fish Passage Project at Crossing 5

*Estimated Cost: \$ 30,000*

HDR Engineering will finalize all design and bid documentation then oversee the construction of the project. This will include review and reporting of any requested Requests-For-Information and Change-Orders. Upon completion of the project, the ENGINEER will develop As-Built drawings.

Task 3.3 Quiota Creek Fish Passage Project at Crossing 8

*Estimated Cost: \$ 30,000*

HDR Engineering will finalize all design and bid documentation then oversee the construction of the project. This will include review and reporting of any requested Requests-For-Information and Change-Orders. Upon completion of the project, the ENGINEER will develop As-Built drawings.

Task 3.4 Quiota Creek Fish Passage Project at Crossing 9

*Estimated Cost: \$ 30,000*

HDR Engineering will finalize all design and bid documentation then oversee the construction of the project. This will include review and reporting of any requested Requests-For-Information and Change-Orders. Upon completion of the project, the ENGINEER will develop As-Built drawings.

Task 3.5 Salsipuedes Creek Jalama Road Fish Ladder

*Estimated Cost: \$ 10,000*

HDR Engineering will finalize all design and bid documentation then oversee the construction of the Salsipuedes Creek Jalama road fish Ladder Project. This will include review and reporting of any requested Requests-For-Information and Change-Orders. Upon completion of the project, the ENGINEER will develop As-Built drawings.

**TOTAL ESTIMATED TASK ORDER COST:**

**\$ 135,800**

**Sole Source Contract Justification  
Fisheries Division Consultant Work**

**May 17, 2018**

**To:** Cachuma Operation and Maintenance Board

**From:** Janet Gingras (General Manager, COMB) and Timothy H. Robinson (Fisheries Division Manager, COMB)

**Contract:** HDR Fisheries Design Center, Scope of Work

**A. Factors of Consideration**

HDR Fisheries Design Center (HDR, initially Fish Pro) is one of the top fish passage engineering consulting firms in the country with extensive experience particularly on the west coast where they specialize in salmonid species and in our case the endangered southern steelhead (*Oncorhynchus, mykiss*). They have provided to the Fisheries Program exemplary fish passage design, data review, and planning assistance since prior to the issuance of the Cachuma Project Biological Opinion in September of 2000.

In 2008, HDR worked with fisheries staff to author the Quiota Creek Watershed Fish Passage Enhancement Plan which was the initial fish passage assessment and design work for all projects along Quiota Creek. Since then, they have amassed extensive local experience in analyzing the watershed hydrology and specific fish passage issues at all known fish passage impediments along the creek at Crossings 0A, 0B, 1, 2, 3, 4, 5, 6, 7, 8 and 9. HDR has successfully completed designs and overseen construction of the following projects at Crossings 0A, 1, 2, 3, 4, 6 and 7. Their cumulative knowledge in design and regulatory compliance for the National Marine Fisheries Service (NMFS), California Department of Fish and Wildlife (CDFW), U. S. Fish and Wildlife Service (USFWS), Santa Barbara County Public Works (County) as well as concerns and requirements of individual landowners has been extremely valuable in facilitating projects both in implementation and cost savings. Learned project elements are applied to the next fish passage enhancement project resulting in a streamlined and efficient design and implementation process for each project.

Fish passage enhancement projects being undertaken this year and the level of engineering design provided by HDR for the project as of the beginning of Fiscal Year 2018-2019 are 100% for Crossing 5 (funded and approved), 95% for Crossing 9 (CDFW proposal submitted), and 85% for Crossing 8 (CalTrans funded through SB County and CDFW-FRGP grant submitted).

HDR's lead fish passage engineer, Mike Garello, is particularly well positioned since he is the current Bioengineering Section President for the American Fisheries Society (AFS)

COMB

where he interacts with fish passage engineers from across the country and more importantly engineers from regulatory agencies specifically NMFS and CDFW. This provides insights and relationships to those who approve the designs of our projects which enhances and further legitimizes our project designs which reduces the amount of questions and review period by those approving regulatory agencies. Mr. Garelo regulatory gives talks at professional fisheries conferences and is well known and respected in the industry. Resumes from Mr. Garelo and his second in command, Shaun Bevan, are available upon request.

In addition, HDR successfully designed and assisted in the implementation of the Rancho San Julian Fish Ladder on El Jaro Creek, a tributary of Salsipuedes Creek, in 2009 and is actively involved with the required fix of the fish ladder at the Jalama Road Bridge on Salsipuedes Creek. HDR conducts all performance evaluations for each of their completed fish passage project totally 8 projects.

## **B. Price Analysis**

HDR has provided years of valuable consulting services in engineering design, planning and navigating regulatory and County requirements. Their cumulative knowledge provides efficient consulting at a price point that would be difficult to match given their local experience and quantity of conducted fish passage analyses and engineering design work. Their long-term, in-depth and extensive professional experience within the Lower Santa Ynez River drainage continues to be top notch at a cost reflective of the longevity of the relationship.



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.”*

June 25, 2018

**General Manager Report**

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

Meetings

- Cachuma Project Member Agency Managers Meeting

The Cachuma Project Member Agency Managers meeting is hosted monthly by the Santa Barbara County Water Agency and was held on Wednesday, June 6, 2018. The agenda topics included discussions regarding Lake Cachuma reservoir status and projections on storage, evaporation scenarios, downstream releases, and the continued drought and subsequent impacts. The Parent District confirmed with the group the Districts’ plan for water rights releases this summer. Discussions on these and other topics will continue at the next meeting scheduled for early August.

Administration

- Renewal of Transferred Project Works (O & M) Contract

The Bureau of Reclamation contract administration staff recently received a draft template O & M contract from the Regional Office in Sacramento to be used as a template for the Cachuma Project Transferred Project Works (O & M) contract. Reclamation is in the process of reviewing the draft template contract and anticipates providing a draft contract to COMB for initial review by late August to mid-September.

- ACWA/JPIA Annual Risk Assessment

Lee Patton, Senior Risk Management Advisor with ACWA/JPIA, will be conducting the annual risk assessment for COMB. The purpose of the annual risk assessment is to evaluate each safety programs 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.

Operations / Engineer Activities

- Arroyo Paredon Bridge Replacement Project - Caltrans

CalTrans is currently working under emergency status with respect to replacement of the Arroyo Paredon Bridge on Highway 192 in the Carpinteria area. The bridge suffered damage during the debris flow event in January. The South Coast Conduit and USBR right-of-way runs parallel and is located near the project site. Staff has received a land use application along with designs and specifications related to the project and impacts on utilities. COMB staff has met with Caltrans and the contractor, Lash Construction, on many occasions to discuss approach on implementation and stream channel diversion and stabilization. Per COMB’s land use authorization policy, COMB approved the request for the diversion work (minor) and has submitted the plans and details to Reclamation for review and approval on the advanced, more permanent work within the USBR right-of-way.

- USBR Reservoir Inspections

Reclamation has scheduled annual safety and security inspections for the South Coast regulating reservoirs slated for early August. Per Reclamation's directive and standards, Reclamation will perform the annual site inspections for each reservoir, which will consist of a general condition assessment on pertinent features of the dam using a checklist developed specifically for each dam. The content will encompass 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) are not performed.

In addition, Reclamation will perform an annual security equipment inspection which will consist 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.

Respectfully Submitted,

*Janet Gingras*

General Manager

# CACHUMA OPERATION AND MAINTENANCE BOARD

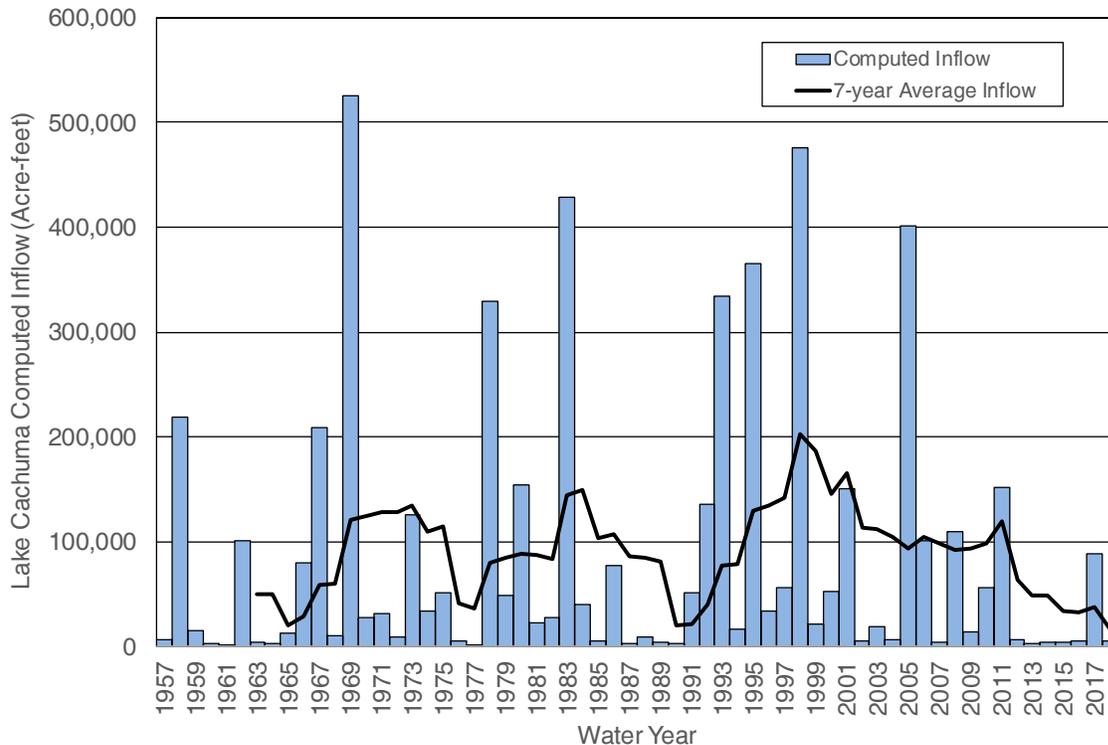
## MEMORANDUM

**DATE:** June 25, 2018  
**TO:** Janet Gingras, General Manager  
**FROM:** Joel Degner, Water Resources Engineer  
**RE:** MONTHLY ENGINEERING REPORT

The following summary provides the Board with information and an overview of progress by engineering staff.

### Climate Conditions

Engineering staff continues to monitor and model lake elevations. According to the United States Drought Monitor, Santa Barbara County is in severe drought (D2) as of June 18, 2018. The last seven water years from 2012 to 2018 are the seven driest consecutive years observed since Bradbury Dam was constructed (Figure 1). The National Weather Service Climate Prediction Center predicts a 50% chance for El Nino during fall and 65 percent during winter 2018-19. (Note: Previously predicted El Nino conditions during the last several years [2012-2018] did not result in above average rainfall for Santa Barbara County).



**Figure 1. Lake Cachuma Historical Computed Inflow**

## Lake Cachuma Evaporation Update

The evaporation rates measured at Lake Cachuma in 2014 to 2017 were significantly higher than the historical average and surrounding stations. A wildlife camera was installed on the evaporation pan at Lake Cachuma in late March 2018. The camera documented large birds (turkey vultures) drinking and bathing in the pan which may have been affecting recent evaporation rates. The Bureau of Reclamation has placed bird protection measures at the evaporation pan following review of the wildlife camera observations. The current evaporation rates in 2018 through May are currently trending back to the historical median (Figure 2).

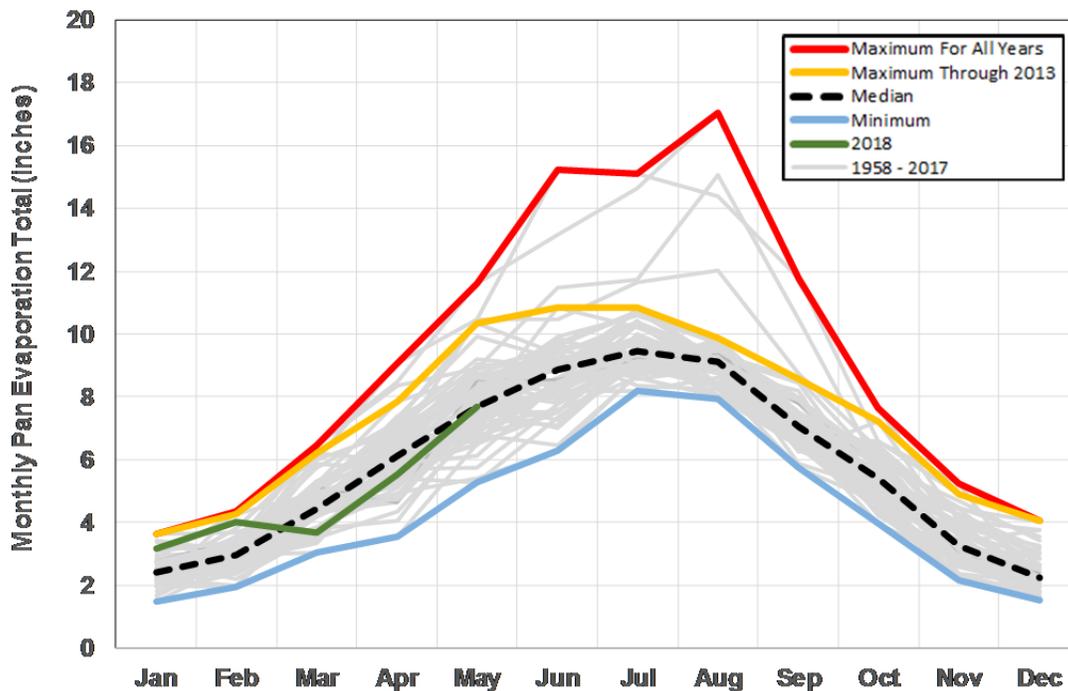


Figure 2. Lake Cachuma Monthly Pan Evaporation Totals

## Grant Funding Activities

COMB staff has been pursuing grant funding for the infrastructure improvement and special projects. Potential grant opportunities that are being pursued include:

- California Department of Fish and Wildlife Proposition 1: Large-scale Wildfire Recovery
- FEMA Hazard Mitigation Plan Funding (404/406)
- Integrated Water Management Plan Proposition 1 Funding

COMB staff is also monitoring re-occurring Bureau of Reclamation grant opportunities:

- Drought Response Program
- Western Watershed Enhancement Program

## Infrastructure Improvement Planning

Table 1 provides a summary of the FY 2017-2018 Infrastructure Improvement Projects. Several projects were delayed this year due to the drought and impacts from the Thomas Fire and subsequent debris flows.

**Table 1. Infrastructure Improvement Projects Status**

| <i>Infrastructure Improvement Projects</i>          | <i>Status / Phase</i>                                                                                                                                          | <i>Complexity / Challenges</i>                                                                                                                                                                                                    | <i>Estimated Completion Date</i> |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| SCC Structure Rehabilitation (AVAR/BO)              | Schedule A, B, C work to be completed in FY 2018-2019 (Cater WTP to Barker Pass). Planning for Barker Pass to Carpinteria Reservoir                            | Work to be completed in low demand months. Two 3-day shutdowns required which need to be coordinated with Member Agencies demands.                                                                                                | May 2019 (Sch. A, B, C)          |
| ROW Identification Program                          | Brochure prepared/website updated. Approval needed from Public Relations Committee before distribution.                                                        | Brochure will be distributed first to property owners with the SCC located within their parcel.                                                                                                                                   | July 2018                        |
| Lateral 3 Structure                                 | Construction contract in place, parts ordered, repair scheduled for winter months of FY 2018-2019.                                                             | Requires 10-day shutdown in upper reach of the system.                                                                                                                                                                            | January 2019                     |
| Emergency Pumping Facility Project                  | Contract and permits in place for re-deployment if necessary. Evaluated alternatives to delay or partially deploy to reduce costs.                             | Need highly dependent on lake levels and actual downstream releases. Current design requires long lead time in installation before the barge is utilized.                                                                         | TBD                              |
| Rehabilitate San Antonio Creek Blow-off             | Design work on-going. Repair planned to be timed with Lateral 3 shutdown in FY 2018-2019.                                                                      | The repair requires shutdown in upper reach of the system and is planned to occur during Lateral 3 shutdown.                                                                                                                      | January 2019                     |
| North Portal Slope Stabilization                    | Slope stabilization work complete, road re-pavement is needed. Remaining funds in contract could be used to repave portion of roadway.                         | Area vulnerable due to Whittier Fire.                                                                                                                                                                                             | October 2017                     |
| Sycamore Canyon Slope Stabilization                 | Geotech/survey work complete, preliminary engineering design and costs received. Plan to complete first phase slope stabilization work FY 18-19.               | First phase of the repair in FY 18-19 will focus on stabilizing the eroded slope and fixing the drainage issues. A second phase will likely be needed in the future to stabilize the overall slope. Work will remain in easement. | October 2018 (Phase I)           |
| Meter Replacement Project                           | COMB staff replaced Ortega Pump Station meter during a planned MWD shutdown in June 2016.                                                                      | COMB staff continues to observe meter reads and compare its system meter measurements with the member unit meters. Additional meter replacements are on hold at this time until evaluation is complete.                           | TBD (on hold)                    |
| North Portal IT/Control Building Seismic Assessment | RFP ready to be issued but on hold as lake levels impact seismic assessment.                                                                                   | With lower lake levels and the Intake Tower exposed, it is easier to evaluate the structural integrity of Intake Tower.                                                                                                           | TBD                              |
| SCC San Jose Creek Pipe Stabilization Evaluation    | A detailed survey of the crossing is needed for implementing temporary protection measures and potential future repair. A survey is planned for future months. | Top of pipeline is exposed on west bank of creek. In near term, temporary pipe protection options are being considered.                                                                                                           | October 2018 (temp protection)   |

**CACHUMA OPERATION AND MAINTENANCE BOARD**

**MEMORANDUM**

**DATE:** June 25, 2018  
**TO:** Janet Gingras, General Manager  
**FROM:** Dave Stewart, Operations Division Manager  
**RE:** **MONTHLY OPERATIONS DIVISION REPORT**

**Operations**

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 (IIP).

**Lake Cachuma Operations**

The total flow from Lake Cachuma into the Tecolote Tunnel for May was 1,359.6 acre-feet, for an average daily flow of 43.85 acre-feet. Lake elevation was 703.20 feet at the beginning of May and 702.75 feet at the end of May. Storage change decreased 793 acre-feet. CCWA wheeled 1254.9 acre-feet of water to Cachuma Project facilities.

**Operation and Maintenance Activities**

COMB staff regularly performs the following duties:

- Operations and maintenance of the South Coast Conduit (SCC) and facilities on the South Coast:

| 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               |

- Operation of the Lake Cachuma North Portal Intake Tower and Jet Flow Valve
- Regulate and maintain flows from Lake Cachuma to meet the needs of South Coast Member Units
- Dam inspection and instrumentation reports (all reservoirs)
- Weekly safety meetings
- Weekly rodent bait (all reservoirs)
- Weekly toe drain and piezometer reads at Ortega (L23)

- Structure maintenance per Work Plan
- USA Dig Alerts – Responded as necessary to alerts
- Pesticide report to County of Santa Barbara
- Operational tests of generators at the North Portal and at Lauro Yard
- Inspection of fire extinguishers
- Read anodes and rectifier data
- Water samples taken at Lake Cachuma
- Clean up, inspection and tool inventory of all vehicles
- Clean up and organize service yard and all buildings

#### Weekly Safety Meetings:

The primary purpose of the weekly safety meetings is to educate staff on safe practices in the field and on-site. In the safety meetings, staff is urged to ask questions regarding the topic being discussed and to share related examples. The discussion also includes practices on preventative measures. Regular safety meetings assist staff to continually be aware of safety practices while on the job. The following topics were reviewed this past month:

#### *Reading:*

- Aerial Platforms - Discussed safe operating procedures when working on or around aerial platforms. Identified the applications in which staff uses aerial platforms and what safeguards should be in place for each specific task.
- Lyme Disease - Discussed the danger of working in or around areas where ticks are present. Reviewed how to prevent ourselves from contracting the disease including which Personal Protective Equipment (PPE) to wear while working in the field.
- Driving Vehicles and Moving Equipment - Reviewed the proper safety procedures for transporting heavy machinery. Performed inspections of COMB's associated equipment and replaced items that were in poor condition.
- Engulfment - Discussed the possibility and dangers of engulfment. Reviewed areas in the field where staff may encounter engulfment and what safety precautions to take if engulfment were to happen.

#### COMB Operations staff specifically performed the following activities:

- Staff has been on site monitoring several ongoing projects throughout the area, working closely with the construction and engineering contractors to ensure that:
  - Pipeline easements and the right-of-way remain accessible to Operations staff for possible emergencies and ongoing facility maintenance.
  - All projects are following the COMB and USBR approved plans.
  - No damage occurs to the SCC during the construction process.
- Daily monitoring of the Arroyo Paredon bridge replacement project located in Carpentaria. Caltrans/Lash Construction began work on June 4<sup>th</sup> removing the bridge which was damaged during the January 9<sup>th</sup> debris flows.
- Continued the annual structure maintenance program on the Lower Reach of the SCC. To date staff has completed maintenance and valve exercising at 44 sites. The scope of

work in this program is the exercising of all valves, servicing of air vents, repainting of signage, cleaning and re-establishing site access.

- Replaced an 8" Meter at the Ortega Reservoir Pump Station to further improve the systems metering accuracy.
- Graded the roads and preformed weed abatement so the water truck and trailer have better access to oak trees at Storke Flats and Bradbury Dam during watering and maintenance activities.
- Installed cellular communications modems at Sheffield Control and Carpentaria Reservoir due to damaged land lines that were no longer operable.
- Completed repairs to the San Ysidro Road blow off Sta. # 388+10 that was damaged during the mudslides.
- Completed the annual Ortega Reservoir and North Portal Control Station weed abatement program. The scope of work in this program is the clearing and removal of vegetation and brush around the reservoir, dam, roads, yards and control station to meet defensible space requirements.
- Completed the annual inspection and certification of the Lake Cachuma Intake Tower hoist.
- Staff took part in COMB's annual fire extinguisher training provided by Nargan Fire.
- The Operations department continually inspects all sites, reservoirs and the SCC for items to add to the IIP for future projects.

Current IIP projects include:

- Air Vacuum Air Release (AVAR) Valve and Blow-off Structure Rehabilitation and Replacement - Executed contract with the lowest responsible bidder (Cushman Contracting Corporation).
- North Portal Slope Stabilization - The slope stabilization work is complete and road paving is slated for FY 2018-19.
- Sycamore Canyon Slide Repair - Survey and geotechnical field work is complete along with the preliminary work. COMB staff recommends to proceed with final design and to obtain bid solicitations. Staff anticipates the work to be completed before winter of FY 2018-19.
- Lateral No. 3 Replacement - The contractor is in place and the parts are acquired. Construction is delayed until next winter due to drought and lack of alternative sources of water.

# OPERATIONS PROJECT PHOTOS



Arroyo Paredon Bridge Replacement



**Ortega Reservoir Pump Station Meter Replacement (Before)**



**Ortega Reservoir Pump Station Meter Replacement (After)**



**Completed Repairs at Blow Off Sta. # 388+10 (Before)**



**Completed Repairs at Blow Off Sta. # 388+10 (After)**



**Road Grading at Bradbury Dam**



**Structure Maintenance**



**Annual Weed Abatement (Before)**



**Annual Weed Abatement (After)**

## On Going Projects

LAT 3A



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Remove abandoned turnout and reconfigure blow off structure



# **BOULDERS PROJECT**



**Boulders subdivision**

# CACHUMA OPERATION AND MAINTENANCE BOARD

## BOARD MEMORANDUM

**DATE:** June 25, 2018  
**TO:** Janet Gingras, General Manager  
**FROM:** Tim Robinson, Fisheries Division Manager  
**RE: MONTHLY FISHERIES DIVISION REPORT**

### HIGHLIGHTS:

- Reclamation continues to deliver approximately 2 cfs to Hilton Creek at the Lower Release Point through the Hilton Creek Emergency Backup System by gravity flow that is sustaining the *O. mykiss* population in the creek. No water is being delivered to the Upper Release Point due to difficulties in operating the Hilton Creek Watering System pumps. Target flows to the Highway 154 Bridge are being met through flow augmentation via the Outlet Works.
- A construction contractor is under contract for the Quiota Creek Crossing 5 and Crossing 9 Projects. Construction is tentatively scheduled to begin by the middle of July.

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 Cachuma Project Biology Staff (CPBS) 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 CPBS 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 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.

**Hilton Creek Gravel Augmentation:** To date, the project has been successful as spawning activity has been observed at 3 of the 5 gravel augmentation sites and young of the year have just been observed at one of those sites. An initial report for this year's effort has been submitted to and reviewed by Reclamation who has now sent it to NMFS.

### **Tributary Project Updates:**

**Quiota Creek Crossing 5:** As discussed and recommended by the COMB Board on 3/7/16, staff submitted a 2016 CDFW-FRGP Grant on 3/11/16 for \$893,287 with a COMB construction match of \$50,000. COMB was awarded the grant and the COMB Board accepted the grant by resolution on 5/22/17. The Board approved by resolution expenditures of funds for the project on 6/26/17. All permits and final designs for the project have been obtained and approved. The construction of the project went out for competitive bidding in conjunction with the Quiota Creek Crossing 9 Project. A contract has been awarded to Peter Lapidus Construction and construction is tentatively scheduled to begin in the middle of July of this year. Once construction begins, a separate Board memo will be provided each month throughout the construction of the project.

**Quiota Creek Crossing 8:** Funding for this project have been applied for through three separate grant programs. The initial grant was submitted by the County to Caltrans that required a Cooperative Agreement between the County and COMB. The agreement was discussed at the 5/4/16 Fisheries Committee meeting with approval by the Board on 5/23/16 to move forward with the project and the Cooperative Agreement. The County Board of Supervisors approved the Cooperative Agreement on 7/12/16. With a fully executed Cooperative Agreement, the County submitted a CalTrans Federal Highway Administration (CT-FHWA) grant application to fund the project and CalTrans approved the funding for a full bridge replacement. SBCAG approved the project on 11/17/16. A Professional Service Agreement (PSA) for COMB with the County to manage the project was approved by the Board during the 3/27/17 Board meeting and was fully executed on 5/16/17. The Request for Authorization (RFA) has been sent by the County to Caltrans to begin grant expenditures with no response. Caltrans has informed the County that the Federal prioritization for rural bridge replacement projects (the County's pending grant funding) has been stalled due to being 100% oversubscribed with no additional federal allocation, hence the list of truly awarded projects will not be addressed until 2020, suggesting this funding opportunity is on hold.

The second funding opportunity is through a CDFW-FRGP grant application 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. On 5/15/18, the CDFW-FRGP Technical Grant Review Team visited the site. They evaluated the technical aspects of the project, scored it, and then will provide their recommendations to the Director of CDFW. The grant award notices will be given during February 2019.

Finally, a third funding opportunity is through a CDFW-Prop 1 grant application that was submitted on 6/12/18 for the exact same project and same amount of money and construction match. If a CDFW sponsored grant is received, the other will be withdrawn. The Prop-1 grant award notice is expected sometime around the beginning of the year.

**Quiota Creek Crossing 9:** COMB was awarded a CDFW-FRGP grant for the Crossing 9 Project for \$993,121 with a \$50,000 COMB construction match. The project is tentatively scheduled for construction in the fall of this year pending permit acquisition and design approval. All permits application for this project have been submitted and are anticipated no later than August. Design approval has been received from CDFW and we are awaiting

comments from the County. The construction of the project went out for competitive bidding in conjunction with the Quiota Creek Crossing 5 Project. A contract has been awarded to Peter Lapidus Construction and construction is tentatively scheduled to begin in September of this year. Once construction begins, a separate Board memo will be provided each month throughout the construction of the project.

***Salsipuedes Creek – Jalama Road Fish Ladder:*** On 5/15/18, CDFW grant manager and design engineer visited the site to review the COMB prepared design options for fixing the fish ladder as requested by CDFW. We are now awaiting their recommendations on how to go forward with the fix of the fish ladder if they determine it to be necessary.

***El Jaro Creek – Cross Creek Ranch Fish Passage Facility:*** There has been no action on the suggested repairs to this project

### **Hilton Creek Watering System (HCWS) Repairs and Upgrades plus the Hilton Creek Emergency Backup System (HCEBS)**

The HCWS and HCEBS are owned, operated and maintained by Reclamation. The HCEBS was completed at the end of January 2016. With this system fully operational, Reclamation has now been working on the identified repairs to the HCWS with recent success on getting the pumping system operational. Work is still needed on the HCEBS to meet operational design.

### **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 Reclamation'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 Reclamation 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, and the most recent release 8/21/17 - 11/8/17. 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. There have been no releases from the Fish Passage Supplementation Account (FPSA). Determination of critical drought and the associated accounting and possible usage of the AMA and FPSA during that period have not been finalized and approved (or if those accounts are now replenished from WY2017's runoff) by NMFS and Reclamation. Therefore they are not reflected in Table 1.

**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).

| <b>Accounts*</b>                                                                                                                                   | <b>Allocation</b>  | <b>Amount Used**</b> | <b>Amount Remaining</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------|-------------------------|
| <b>Units:</b>                                                                                                                                      | <b>(acre-feet)</b> | <b>(acre-feet)</b>   | <b>(acre-feet)</b>      |
| <b>Fish Passage Supplementation</b>                                                                                                                | 3,200              | 0                    | 3,200                   |
| <b>Adaptive Management</b>                                                                                                                         | 500                | 149                  | 351                     |
| <b>Fish Rearing***</b>                                                                                                                             | 5,484              | 5,484                | 0                       |
| <b>Project Yield</b>                                                                                                                               |                    | 17,037               |                         |
| <b>Total:</b>                                                                                                                                      | <b>9,184</b>       | <b>22,670</b>        | <b>3,551</b>            |
| * Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.                                                                                  |                    |                      |                         |
| ** Values as of 5/31/18.                                                                                                                           |                    |                      |                         |
| *** 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 Reclamation report) and the Annual Monitoring Summaries (the COMB report). Staff has been providing information to Reclamation as requested in support of re-consultation and other operational requests.

**Outreach and Training:** Staff continues to work 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, reporting and oversight work for the Quiota Creek Crossings 5, 8 and 9 projects.

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|               |                              |
|---------------|------------------------------|
| Date:         | June 25, 2018                |
| Submitted by: | Tim Robinson and Scott Volan |
| Approved by:  | Janet Gingras                |

**SUBJECT:**                    **Lake Cachuma Oak Tree Restoration Program**

**SUMMARY:**

***Maintenance***

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since July, 2017 to the present (7/1/17 – 6/25/18, Table 1). Labor and expenses for the entire fiscal year (July 2017 - June 2018) 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 sets the mitigation number for the program. The 2016 Annual Inventory and Fiscal Year 2016-2017 Financial Report has been completed and reviewed by the Lake Cachuma Oak Tree Committee during their 8/9/17 meeting. The directives for the coming fiscal year have been presented by the Committee chairperson during the August COMB Board meeting and those directives have been followed.

**Table 1: Cachuma Oak Tree Program completed tasks since June, 2017.**

|                                | July 2017           | Aug 2017            | Sep 2017            | Oct 2017                          | Nov 2017              | Dec 2017            | Jan 2018            | Feb 2018*  | March 2018*           | April 2018*       | May 2018            | June 2018                           |
|--------------------------------|---------------------|---------------------|---------------------|-----------------------------------|-----------------------|---------------------|---------------------|------------|-----------------------|-------------------|---------------------|-------------------------------------|
| <b>Year 9 Oaks (2016-2017)</b> | Irrigated<br>Weeded | Irrigated<br>Weeded | Irrigated<br>Weeded |                                   | Irrigated<br>Weeded   |                     | Irrigated<br>Weeded | Mulched    |                       |                   | Irrigated<br>Weeded | Weeded Roads                        |
| <b>Year 8 Oaks (2015-2016)</b> | Irrigated<br>Weeded | Irrigated<br>Weeded | Irrigated<br>Weeded |                                   | Irrigated<br>Weeded   | Irrigated<br>Weeded |                     | Mulched    | Mulched               | Mulched<br>Weeded | Irrigated<br>Weeded | Weeded Roads                        |
| <b>Year 7 Oaks (2014-2015)</b> |                     |                     | Irrigated<br>Weeded |                                   |                       |                     |                     |            | Mulched<br>Deer Cages | Mulched<br>Weeded |                     | Irrigated<br>Weeded<br>Weeded Roads |
| <b>Year 6 Oaks (2010-2011)</b> |                     |                     |                     | Irrigated<br>Weeded<br>Deer Cages | Pruning<br>Deer Cages |                     | Deer Cages          | Deer Cages |                       |                   |                     | Weeded Roads                        |
| <b>Year 5 Oaks (2009-2010)</b> |                     |                     |                     |                                   | Deer Cages            | Irrigated<br>Weeded |                     |            |                       |                   |                     |                                     |
| <b>Year 4 Oaks (2008-2009)</b> |                     |                     |                     |                                   |                       | Irrigated<br>Weeded |                     |            |                       |                   | Deer Cages          | Weeded Roads                        |
| <b>Year 3 Oaks (2007-2008)</b> |                     |                     |                     |                                   |                       | Irrigated<br>Weeded |                     |            |                       |                   | Deer Cages          | Weeded Roads                        |
| <b>Year 2 Oaks (2006-2007)</b> |                     |                     |                     | Irrigated<br>Weeded<br>Deer Cages |                       |                     |                     |            |                       |                   |                     | Weeded Roads                        |
| <b>Year 1 Oaks (2005-2006)</b> |                     |                     |                     | Irrigated<br>Weeded<br>Deer Cages |                       |                     |                     |            |                       |                   |                     | Weeded Roads                        |

The annual oak tree inventory has been completed (see photos in Exhibit 1). The inventory results will be provided to the Lake Cachuma Oak Tree Committee soon.

Crews finished watering the Year 8 and Year 9 oak trees and are now irrigating the Year 7 trees at Bradbury Dam and Storke Flat. Hand weeding is being conducted in and around the trees during irrigation. Once the newer age classes of oak trees have been watered, crews will provide late spring irrigation to the older age classes of trees as time permits.

The COMB Operations crew assisted the Fisheries Division in mowing and grading all of the oak tree access roads at Bradbury Dam and Storke Flat (see photos in Exhibit 1). Road maintenance was conducted as a fire safety precaution to prevent weeds from coming into contact with the undercarriage of vehicles while servicing the oak trees. Grading included the import and compaction of new road base where ruts and exposed rock had developed over time.

**RECOMMENDATION:**

For Board information only.

**LIST OF EXHIBITS:**

**1. Photos of grading and mowing the oak tree access roads.**



**Exhibit 1:** Lake Cachuma Oak Tree Restoration Program showing road and weed abatement work being conducted along access roads.

**CACHUMA OPERATION AND MAINTENANCE BOARD**

**METERED USE REPORT FOR MAY 2018**

| LATERAL/<br>STATION                     | NAME                                 | ACRE FEET<br>METERED | LATERAL/<br>STATION                                       | NAME                                 | ACRE FEET<br>METERED |
|-----------------------------------------|--------------------------------------|----------------------|-----------------------------------------------------------|--------------------------------------|----------------------|
| <b>CARPINTERIA WATER DISTRICT</b>       |                                      |                      | <b>GOLETA WATER DISTRICT</b>                              |                                      |                      |
| Boundary Meter - East                   |                                      | 153.86               | 18+62                                                     | G. WEST                              | 125.36               |
| Boundary Meter - West                   |                                      | (0.06)               | 78+00                                                     | Corona Del Mar FILTER Plant          | 407.91               |
|                                         |                                      |                      | 122+20                                                    | STOW RANCH                           | 0.00                 |
|                                         |                                      |                      |                                                           | Raytheon (SWP) (Warren Act Contract) | (5.00)               |
|                                         |                                      |                      |                                                           | Morehart (SWP) (Warren Act Contract) | (3.00)               |
|                                         |                                      |                      |                                                           | SWP CREDIT (Warren Act Contract)     | (399.91)             |
|                                         |                                      |                      | <b>TOTAL</b>                                              |                                      | <b>125.36</b>        |
|                                         |                                      |                      | <b>MONTECITO WATER DISTRICT</b>                           |                                      |                      |
|                                         |                                      |                      | 260+79                                                    | BARKER PASS                          | 76.45                |
|                                         |                                      |                      | 386+65                                                    | MWD YARD                             | 9.42                 |
|                                         |                                      |                      | 487+07                                                    | VALLEY CLUB                          | 0.17                 |
|                                         |                                      |                      | 499+65                                                    | E. VALLEY-ROMERO PUMP                | 181.97               |
|                                         |                                      |                      | 510+95                                                    | MWD PUMP (SWD)                       | 14.72                |
|                                         |                                      |                      | 510+95                                                    | ORTEGA CONTROL                       | 2.71                 |
|                                         |                                      |                      | 526+43                                                    | ASEGRA RD                            | 4.58                 |
|                                         |                                      |                      | 555+80                                                    | CO. YARD                             | 0.00                 |
|                                         |                                      |                      | 583+00                                                    | LAMBERT RD                           | 0.00                 |
|                                         |                                      |                      | 599+27                                                    | TORO CANYON                          | 0.00                 |
|                                         |                                      |                      |                                                           | SWP CREDIT (Warren Act Contract)     | (290.01)             |
|                                         |                                      |                      | <b>TOTAL</b>                                              |                                      | <b>0.00</b>          |
|                                         |                                      |                      | <b>CITY OF SANTA BARBARA</b>                              |                                      |                      |
|                                         |                                      |                      | CATER                                                     | INFLOW                               | 1074.95              |
|                                         |                                      |                      | Gibraltar                                                 | PENSTOCK                             | (104.38)             |
|                                         |                                      |                      | CATER                                                     | SO. FLOW                             | (657.78)             |
|                                         |                                      |                      | Sheffield                                                 | SHEF.LIFT                            | 200.38               |
|                                         |                                      |                      |                                                           | SWP (Warren Act)                     | (490.94)             |
|                                         |                                      |                      |                                                           | La Cumbre Mutual SWP (Warren Act)    | (22.23)              |
|                                         |                                      |                      | <b>TOTAL</b>                                              |                                      | <b>(0.00)</b>        |
|                                         |                                      |                      | <b>SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1</b> |                                      |                      |
|                                         |                                      |                      | COUNTY PARK, ETC                                          |                                      | 2.04                 |
|                                         |                                      |                      | <b>TOTAL</b>                                              |                                      | <b>2.04</b>          |
|                                         |                                      |                      | <b>BREAKDOWN OF DELIVERIES BY TYPE:</b>                   |                                      |                      |
|                                         |                                      |                      | STATE WATER DELIVERED TO LAKE                             |                                      | 1255.00              |
|                                         |                                      |                      | STATE WATER TO SOUTH COAST (including from storage)       |                                      | (1364.88)            |
|                                         |                                      |                      | <b>METERED DIVERSION</b>                                  |                                      | <b>127.41</b>        |
|                                         |                                      |                      |                                                           |                                      |                      |
| <b>SWP CREDIT (Warren Act Contract)</b> |                                      | <b>(153.79)</b>      |                                                           |                                      |                      |
| <b>TOTAL</b>                            |                                      | <b>0.00</b>          |                                                           |                                      |                      |
| Note:                                   | Meter reads were taken on: 5/31/2018 |                      |                                                           |                                      |                      |

**17-18 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF MAY 2018 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

|                                         | <b>MONTH</b>   | <b>WYTD</b>     |
|-----------------------------------------|----------------|-----------------|
| <b>SCC WATER PRODUCTION:</b>            |                |                 |
| Cachuma Lake (Tec. Diversion)           | 1,359.6        | 10,236.1        |
| Tecolote Tunnel Infiltration            | 141.5          | 778.1           |
| Cachuma Lake (County Park)              | 2.0            | 12.3            |
| <b>Subtotal - Water Production</b>      | <b>1,503.2</b> | <b>11,026.5</b> |
| <b>SCC WATER DELIVERIES:</b>            |                |                 |
| State Water Diversion                   | 1,364.9        | 7,986.7         |
| Cachuma Diversion                       | 127.4          | 2,499.8         |
| So. Coast Storage gain/(loss)           | (50.6)         | 7.3             |
| <b>Subtotal - Water Deliveries</b>      | <b>1,441.7</b> | <b>10,493.8</b> |
| <b>Total Water Production</b>           | <b>1,503.2</b> | <b>11,026.5</b> |
| <b>Total Water Deliveries</b>           | <b>1,441.7</b> | <b>10,493.8</b> |
| <b>Difference = Apparent Water Loss</b> | <b>61.5</b>    | <b>532.7</b>    |
| % Apparent Water Loss                   | 4.09%          | 4.83%           |

**SCC APPARENT WATER LOSS ALLOCATION <sup>(2)</sup>**

|                                                           | <b>GWD</b>  | <b>SB CITY</b> | <b>MWD</b>   | <b>CVWD</b>  | <b>TOTAL</b> |
|-----------------------------------------------------------|-------------|----------------|--------------|--------------|--------------|
| <b>CURRENT MONTH CHARGE / (ADJUSTMENT) <sup>(2)</sup></b> |             |                |              |              |              |
| M&I                                                       | 0.0         | 0.0            | 0.0          | 0.0          | 0.0          |
| Agriculture                                               | 0.7         | 0.0            | 0.0          | 0.0          | 0.7          |
| <b>Subtotal Cachuma Project</b>                           | <b>0.7</b>  | <b>0.0</b>     | <b>0.0</b>   | <b>0.0</b>   | <b>0.7</b>   |
| (+) State Water Project                                   | 2.1         | 23.5           | 22.9         | 12.4         | 60.8         |
| <b>Total</b>                                              | <b>2.8</b>  | <b>23.5</b>    | <b>22.9</b>  | <b>12.4</b>  | <b>61.5</b>  |
| <b>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</b>           |             |                |              |              |              |
| M&I                                                       | 9.9         | 0.0            | 0.0          | 37.0         | 46.9         |
| Agriculture                                               | 7.2         | 0.0            | 0.0          | 49.1         | 56.3         |
| <b>Subtotal Cachuma Project</b>                           | <b>17.1</b> | <b>0.0</b>     | <b>0.0</b>   | <b>86.1</b>  | <b>103.2</b> |
| (+) State Water Project                                   | 18.7        | 173.6          | 208.0        | 29.4         | 429.6        |
| <b>Total</b>                                              | <b>35.8</b> | <b>173.6</b>   | <b>208.0</b> | <b>115.5</b> | <b>532.8</b> |

**CACHUMA PROJECT WATER CHARGE**

|                                       | <b>GWD</b>     | <b>SB CITY</b> | <b>MWD</b>  | <b>CVWD</b>  | <b>SYRID #1</b> | <b>TOTAL</b>   |
|---------------------------------------|----------------|----------------|-------------|--------------|-----------------|----------------|
| <b>CURRENT MONTH</b>                  |                |                |             |              |                 |                |
| Water Usage                           |                |                |             |              |                 |                |
| M&I                                   | 0.0            | 0.0            | 0.0         | 0.0          | 2.0             | 2.0            |
| Agricultural                          | 125.4          | 0.0            | 0.0         | 0.0          | N/A             | 125.4          |
| <b>Subtotal Project Water Use</b>     | <b>125.4</b>   | <b>0.0</b>     | <b>0.0</b>  | <b>0.0</b>   | <b>2.0</b>      | <b>127.4</b>   |
| (+) Apparent Water Loss               | 0.7            | 0.0            | 0.0         | 0.0          | N/A             | 0.7            |
| (+) Evaporative Loss <sup>(3)</sup>   | 19.4           | 60.5           | 15.3        | 0.3          | 0.1             | 95.6           |
| <b>Total Project Water Charge</b>     | <b>145.4</b>   | <b>60.5</b>    | <b>15.3</b> | <b>0.3</b>   | <b>2.1</b>      | <b>223.7</b>   |
| <b>WATER YEAR-TO-DATE</b>             |                |                |             |              |                 |                |
| Water Usage                           |                |                |             |              |                 |                |
| M&I                                   | 1,097.3        | 0.0            | 0.0         | 289.3        | 12.3            | 1,398.9        |
| Agricultural                          | 717.3          | 0.0            | 0.0         | 385.7        | N/A             | 1,103.0        |
| <b>Subtotal Project Water Use</b>     | <b>1,814.6</b> | <b>0.0</b>     | <b>0.0</b>  | <b>675.1</b> | <b>12.3</b>     | <b>2,501.9</b> |
| (+) Apparent Water Loss               | 17.1           | 0.0            | 0.0         | 86.1         | N/A             | 103.2          |
| (+) Evaporative Loss <sup>(3)</sup>   | 141.7          | 304.1          | 77.1        | 19.2         | 0.8             | 542.9          |
| <b>Total Project Water Charge (*)</b> | <b>1,973.3</b> | <b>304.1</b>   | <b>77.1</b> | <b>780.3</b> | <b>13.0</b>     | <b>3,147.9</b> |

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

**17-18 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF **MAY 2018** AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

**CACHUMA PROJECT WATER BALANCE**

|                                                    | <b>GWD</b>     | <b>SB CITY</b> | <b>MWD</b>     | <b>CVWD</b>    | <b>SYRID #1</b> | <b>TOTAL</b>    |
|----------------------------------------------------|----------------|----------------|----------------|----------------|-----------------|-----------------|
| <b>Project Water Carryover - 10/1/2017</b>         | 3,088.0        | 3,988.0        | 1,011.0        | 800.0          | 16.0            | 8,903.0         |
| (-) <b>Project Water Charge (WYTD)</b>             | 1,973.3        | 304.1          | 77.1           | 780.3          | 13.0            | 3,147.9         |
| <b>Balance Carryover Water</b>                     | <b>1,114.7</b> | <b>3,683.9</b> | <b>933.9</b>   | <b>19.7</b>    | <b>3.0</b>      | <b>5,755.1</b>  |
| <b>Current Year Allocation <sup>(4)</sup></b>      | 3,728.0        | 3,311.0        | 1,060.0        | 1,125.0        | 1,060.0         | 10,284.0        |
| (-) <b>Balance of Project Water Charge (WYTD)</b>  | 0.0            | 0.0            | 0.0            | 0.0            | 0.0             | 0.0             |
| <b>Net Allocation Available Before Adjustments</b> | <b>3,728.0</b> | <b>3,311.0</b> | <b>1,060.0</b> | <b>1,125.0</b> | <b>1,060.0</b>  | <b>10,284.0</b> |
| <b><u>Adjustments to Net Allocation (WYTD)</u></b> |                |                |                |                |                 |                 |
| Carryover Balances Spilled                         | 0.0            | 0.0            | 0.0            | 0.0            | 0.0             | 0.0             |
| Surplus                                            | 0.0            | 0.0            | 0.0            | 0.0            | 0.0             | 0.0             |
| State Water Exchange <sup>(5)</sup>                | 26.0           | 17.0           | 17.0           | 12.0           | (72.0)          | 0.0             |
| Transfers/Adjustment <sup>(6)</sup>                | 100.0          | 0.0            | 0.0            | 0.0            | 0.0             | 100.0           |
| <b>Balance Current Year Allocation</b>             | <b>3,854.0</b> | <b>3,328.0</b> | <b>1,077.0</b> | <b>1,137.0</b> | <b>988.0</b>    | <b>10,384.0</b> |
| <b>Total Cachuma Project Water Available</b>       | <b>4,968.7</b> | <b>7,011.9</b> | <b>2,010.9</b> | <b>1,156.7</b> | <b>991.0</b>    | <b>16,139.1</b> |

**Footnotes**

- (1) Water Year = October 1 through September 30
- (2) Based on an correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted-for water loss based on lake conditions
- (3) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017.
- (4) Per USBR, 40% Allocation to Member Agencies, effective 10/1/17
- (5) Per SWP Exchange Agrmt GWD received 26 AF; City of SB received 17 AF; MWD received 17 AF and CVWD received 12 AF from ID#1 in May 2017.
- (6) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF)
- (7) Memo only - State Water Deliveries to Lake Cachuma for May 2018 (Total =1255 AF): MWD 309 AF; CVWD 190 AF GWD 463 AF (Morehart 3 AF); City of S.B. 285 AF; and LaCumbre 0 AF; (Raytheon 5 AF)

**SUMMARY: APPARENT WATER LOSS ALLOCATION  
May 2018**

|                   | <b>Lauro &amp;<br/>Cater Loss<br/>(LE + CTPL)</b> | <b>Ortega Toe<br/>Drain (OTD)</b> | <b>Use Area 1</b> | <b>Use Area 2</b> | <b>Use Area 3</b> | <b>Use Area 4</b> | <b>Total (AF)</b> | <b>Rounded<br/>Total (AF)</b> |
|-------------------|---------------------------------------------------|-----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|
| <b>GWD</b>        | 0.1                                               | 0.0                               | 1.8               | 0.8               | 0.0               | 0.0               | 2.8               | <b>2.8</b>                    |
| <b>City of SB</b> | 3.2                                               | 0.0                               | 1.6               | 17.8              | 0.8               | 0.0               | 23.5              | <b>23.5</b>                   |
| <b>MWD</b>        | 1.9                                               | 0.5                               | 1.0               | 10.5              | 1.2               | 7.8               | 22.9              | <b>22.9</b>                   |
| <b>CVWD</b>       | 1.0                                               | 0.5                               | 0.5               | 5.6               | 0.6               | 4.1               | 12.4              | <b>12.4</b>                   |
| <b>Total</b>      | 6.2                                               | 1.0                               | 4.9               | 34.8              | 2.7               | 12.0              | 61.5              | <b>61.5</b>                   |

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

MONTH: **May 2018**

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

|                                               |               |      |
|-----------------------------------------------|---------------|------|
| Capacity at 385' elevation:                   | 518           | AF   |
| Capacity at sill of intake at 334' elevation: | 21            | AF   |
| Stage of Reservoir Elevation                  | <b>335.00</b> | 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                      | <b>544.90</b> | Feet |
| Water in Storage                                  | 507.95        | AF   |

**ORTEGA RESERVOIR**

|                                       |               |      |
|---------------------------------------|---------------|------|
| Capacity at 460' elevation:           | 65            | AF   |
| Capacity at outlet at elevation 440': | 0             | AF   |
| Stage of Reservoir Elevation          | <b>447.30</b> | Feet |
| Water in Storage                      | 20.47         | AF   |

**CARPINTERIA RESERVOIR**

|                                    |               |      |
|------------------------------------|---------------|------|
| Capacity at 384' elevation:        | 45            | AF   |
| Capacity at outlet elevation 362': | 0             | AF   |
| Stage of Reservoir Elevation       | <b>376.55</b> | Feet |
| Water in Storage                   | 26.93         | AF   |

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

|                   |         |    |
|-------------------|---------|----|
| Change in Storage | 555.35  | AF |
|                   | (50.64) | AF |

**CACHUMA RESERVOIR**

|                                            |         |    |
|--------------------------------------------|---------|----|
| Capacity at 750' elevation:                | 184,121 | AF |
| Capacity at sill of tunnel 660' elevation: | 24,281  | AF |

|                              |                |      |
|------------------------------|----------------|------|
| Stage of Reservoir Elevation | <b>702.75</b>  | Feet |
| Water in Storage             | <b>76,643</b>  | AF   |
| Surface Area                 | <b>1,643</b>   |      |
| Evaporation                  | <b>854.0</b>   | AF   |
| Inflow                       | <b>437.0</b>   | AF   |
| Downstream Release WR8918    | <b>0.0</b>     | AF   |
| Fish Release (Hilton Creek)  | <b>154.8</b>   | AF   |
| Outlet                       | <b>171.2</b>   | AF   |
| <b>Spill/Seismic Release</b> | <b>0</b>       | AF   |
| State Water Project Water    | <b>1359.6</b>  | AF   |
| Change in Storage            | <b>-793</b>    | AF   |
| Tecolote Diversion           | <b>1,359.6</b> | AF   |

|                  |               |             |                |                           |            |
|------------------|---------------|-------------|----------------|---------------------------|------------|
| <b>Rainfall:</b> | <b>Month:</b> | <b>9.77</b> | <b>Season:</b> | <b>Percent of Normal:</b> | <b>49%</b> |
|------------------|---------------|-------------|----------------|---------------------------|------------|

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

**COMB STATE WATER PROJECT ACCOUNTING - SOUTH COAST ONLY (Does not include SYRWCD, ID#1 or exchange water)**

| Month        | Total Delivered to Lake per CCWA | CVWD                  |                     |            |                  |               |                | MWD                   |                     |            |                  |               |                | CITY OF SB            |                     |            |                  |               |                | GWD                   |                     |           |                  |               |                | LCMWC                 |                     |           |                  | RSYS          |                |                       | MLC                 |           |                  |               |                |   |  |  |  |   |
|--------------|----------------------------------|-----------------------|---------------------|------------|------------------|---------------|----------------|-----------------------|---------------------|------------|------------------|---------------|----------------|-----------------------|---------------------|------------|------------------|---------------|----------------|-----------------------|---------------------|-----------|------------------|---------------|----------------|-----------------------|---------------------|-----------|------------------|---------------|----------------|-----------------------|---------------------|-----------|------------------|---------------|----------------|---|--|--|--|---|
|              |                                  | Delivered to Lake (+) | Delivered to SC (-) | Loss (-)   | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake | Delivered to Lake (+) | Delivered to SC (-) | Loss (-)   | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake | Delivered to Lake (+) | Delivered to SC (-) | Loss (-)   | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake | Delivered to Lake (+) | Delivered to SC (-) | Loss (-)  | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake | Delivered to Lake (+) | Delivered to SC (-) | Loss (-)  | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake | Delivered to Lake (+) | Delivered to SC (-) | Loss (-)  | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake |   |  |  |  |   |
| <b>2017</b>  |                                  |                       |                     |            |                  |               |                |                       |                     |            |                  |               |                |                       |                     |            |                  |               |                |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |   |  |  |  |   |
| Bal. Frwd    |                                  |                       |                     |            |                  | 504           |                |                       |                     |            |                  | 809           |                |                       |                     |            |                  | 2098          |                |                       |                     |           |                  | 747           |                |                       |                     |           |                  | 0             |                |                       |                     |           |                  | 11            |                |   |  |  |  | 1 |
| January      | 1437                             | 219                   | 0                   | 1          | 2                | 0             | 720            | 357                   | 58                  | 3          | 3                | 0             | 1102           | 357                   | 273                 | 4          | 8                | 10            | 2179           | 467                   | 58                  | 0         | 3                | (10)          | 1144           | 35                    | 10                  | 2         | 23               | 0             | 0              | 0                     | 11                  | 2         | 2                | 2             | 1              | 1 |  |  |  |   |
| February     | 1250                             | 196                   | 96                  | 4          | 7                | 0             | 809            | 296                   | 25                  | 2          | 10               | 0             | 1361           | 296                   | 197                 | 5          | 21               | 0             | 2252           | 445                   | 50                  | 0         | 11               | 0             | 1528           | 15                    | 29                  | 2         | 7                | 0             | 0              | 11                    | 2                   | 2         | 1                | 1             |                |   |  |  |  |   |
| March        | 990                              | 135                   | 180                 | 4          | 7                | 0             | 753            | 226                   | 76                  | 2          | 12               | 0             | 1498           | 226                   | 112                 | 7          | 20               | 0             | 2340           | 339                   | 190                 | 0         | 13               | 0             | 1664           | 59                    | 34                  | 0         | 33               | 4             | 4              | 11                    | 1                   | 1         | 1                | 1             |                |   |  |  |  |   |
| April        | 634                              | 96                    | 134                 | 17         | 11               | 0             | 686            | 144                   | 180                 | 23         | 22               | 0             | 1417           | 144                   | 210                 | 21         | 35               | 0             | 2218           | 217                   | 567                 | 3         | 25               | 0             | 1286           | 29                    | 55                  | 1         | 6                | 3             | 3              | 11                    | 1                   | 1         | 1                | 1             |                |   |  |  |  |   |
| May          | 1165                             | 168                   | 372                 | 39         | 14               | 0             | 429            | 258                   | 229                 | 24         | 29               | 0             | 1392           | 258                   | 80                  | 49         | 46               | 0             | 2301           | 388                   | 520                 | 3         | 27               | 0             | 1124           | 86                    | 63                  | 0         | 29               | 4             | 3              | 12                    | 3                   | 4         | 0                | 0             |                |   |  |  |  |   |
| June         | 1026                             | 153                   | 377                 | 13         | 10               | 0             | 182            | 230                   | 293                 | 10         | 33               | 0             | 1286           | 230                   | 252                 | 17         | 55               | 0             | 2208           | 345                   | 958                 | 2         | 27               | 0             | 483            | 60                    | 34                  | 1         | 54               | 4             | 4              | 12                    | 4                   | 4         | 0                | 0             |                |   |  |  |  |   |
| July         | 1151                             | 165                   | 327                 | 12         | 5                | 0             | 3              | 254                   | 321                 | 12         | 34               | 0             | 1174           | 255                   | 247                 | 24         | 58               | 0             | 2134           | 383                   | 850                 | 3         | 13               | 0             | 0              | 84                    | 74                  | 1         | 62               | 4             | 4              | 12                    | 6                   | 6         | 0                | 0             |                |   |  |  |  |   |
| August (*)   | 1006                             | 144                   | 232                 | 0          | 0                | 85            | 0              | 223                   | 333                 | 0          | 37               | 71            | 1098           | 223                   | 210                 |            | 67               | 119           | 2199           | 334                   | 345                 | 0         | 0                | 11            | 0              | 74                    | 92                  | 2         | 42               | 4             | 4              | 12                    | 4                   | 4         | 0                | 0             |                |   |  |  |  |   |
| September    | 1190                             | 175                   | 153                 | 22         | 0                | 0             | 0              | 263                   | 288                 | 36         | 39               | 0             | 997            | 263                   | 187                 | 16         | 78               | 0             | 2181           | 395                   | 392                 | 3         | 0                | 0             | 0              | 88                    | 21                  | 1         | 108              | 0             | 0              | 12                    | 6                   | 6         | 0                | 0             |                |   |  |  |  |   |
| October      | 1048                             | 147                   | 139                 | 8          | 0                | 0             | 0              | 244                   | 348                 | 19         | 15               | 0             | 860            | 244                   | 352                 | 13         | 32               | 0             | 2028           | 367                   | 365                 | 2         | 0                | 0             | 0              | 46                    | 81                  | 2         | 71               | 0             | 0              | 12                    | 0                   | 0         | 0                | 0             |                |   |  |  |  |   |
| November     | 369                              | 0                     | 0                   | 0          | (0)              | 0             | 0              | 96                    | 265                 | 32         | 7                | 0             | 652            | 96                    | 391                 | 29         | 16               | 0             | 1688           | 145                   | 143                 | 2         | (0)              | 0             | 0              | 32                    | 96                  | 1         | 7                | 0             | 0              | 12                    | 0                   | 0         | 0                | 0             |                |   |  |  |  |   |
| December     | 1281                             | 0                     | 0                   | 0          | (0)              | 0             | 0              | 354                   | 310                 | 61         | 4                | 0             | 630            | 298                   | 273                 | 36         | 10               | 0             | 1667           | 532                   | 526                 | 6         | 0                | 0             | 0              | 68                    | 12                  | 0         | 62               | 22            | 22             | 12                    | 7                   | 7         | 0                | 0             |                |   |  |  |  |   |
| <b>Total</b> | <b>12547</b>                     | <b>1598</b>           | <b>2010</b>         | <b>120</b> | <b>56</b>        | <b>85</b>     | <b>0</b>       | <b>2945</b>           | <b>2726</b>         | <b>225</b> | <b>244</b>       | <b>71</b>     | <b>630</b>     | <b>2890</b>           | <b>2783</b>         | <b>222</b> | <b>445</b>       | <b>129</b>    | <b>1667</b>    | <b>4357</b>           | <b>4964</b>         | <b>24</b> | <b>117</b>       | <b>1</b>      | <b>0</b>       | <b>676</b>            | <b>601</b>          | <b>13</b> | <b>62</b>        | <b>45</b>     | <b>44</b>      | <b>12</b>             | <b>36</b>           | <b>37</b> | <b>0</b>         | <b>0</b>      |                |   |  |  |  |   |

(\*) Adj / Notes:  
 January 2017 - GWD transferred 18.12 AF SWP water to City of SB per overlap agreement  
 August 2017 - Includes credit adjustment for water loss charged to South Coast Member Units (Mar - Jul) based email from Michael Jackson, dated 09/15/17, which revised the approach to the assess for unaccounted-for water loss based on lake conditions.

| Month        | Total Delivered to Lake per CCWA | CVWD                  |                     |           |                  |               |                | MWD                   |                     |           |                  |               |                | CITY OF SB            |                     |           |                  |               |                | GWD                   |                     |          |                  |               |                | LCMWC                 |                     |          |                  | RSYS          |                |                       | MLC                 |           |                  |               |                |  |  |  |  |   |
|--------------|----------------------------------|-----------------------|---------------------|-----------|------------------|---------------|----------------|-----------------------|---------------------|-----------|------------------|---------------|----------------|-----------------------|---------------------|-----------|------------------|---------------|----------------|-----------------------|---------------------|----------|------------------|---------------|----------------|-----------------------|---------------------|----------|------------------|---------------|----------------|-----------------------|---------------------|-----------|------------------|---------------|----------------|--|--|--|--|---|
|              |                                  | Delivered to Lake (+) | Delivered to SC (-) | Loss (-)  | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake | Delivered to Lake (+) | Delivered to SC (-) | Loss (-)  | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake | Delivered to Lake (+) | Delivered to SC (-) | Loss (-)  | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake | Delivered to Lake (+) | Delivered to SC (-) | Loss (-) | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake | Delivered to Lake (+) | Delivered to SC (-) | Loss (-) | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake | Delivered to Lake (+) | Delivered to SC (-) | Loss (-)  | Evap / Spill (-) | Adj (*) (+/-) | Stored in Lake |  |  |  |  |   |
| <b>2018</b>  |                                  |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |          |                  |               |                |                       |                     |          |                  |               |                |                       |                     |           |                  |               |                |  |  |  |  |   |
| Bal. Frwd    |                                  |                       |                     |           |                  | 0             |                |                       |                     |           |                  | 630           |                |                       |                     |           |                  | 1667          |                |                       |                     |          |                  | 0             |                |                       |                     |          |                  | 62            |                |                       |                     |           |                  | 12            |                |  |  |  |  | 0 |
| January      | 1275                             | 201                   | 31                  | 3         | (0)              | 0             | 167            | 270                   | 219                 | 18        | 4                | 0             | 659            | 301                   | 346                 | 16        | 11               | 0             | 1595           | 452                   | 387                 | 2        | (0)              | 0             | 62             | 49                    | 30                  | 0        | 80               | 0             | 0              | 12                    | 2                   | 2         | 2                | 0             | 0              |  |  |  |  |   |
| February     | 1142                             | 169                   | 20                  | 3         | 1                | 0             | 311            | 253                   | 257                 | 35        | 5                | 0             | 614            | 253                   | 367                 | 29        | 13               | 0             | 1440           | 380                   | 146                 | 3        | 1                | 0             | 293            | 85                    | 52                  | 1        | 113              | 0             | 0              | 12                    | 2                   | 2         | 0                | 0             |                |  |  |  |  |   |
| March        | 976                              | 70                    | 6                   | 1         | 2                | 0             | 372            | 255                   | 98                  | 14        | 4                | 0             | 753            | 254                   | 291                 | 19        | 10               | 0             | 1373           | 381                   | 9                   | 1        | 2                | 0             | 663            | 10                    | 15                  | 1        | 107              | 4             | 4              | 12                    | 2                   | 2         | 0                | 0             |                |  |  |  |  |   |
| April        | 1218                             | 0                     | 47                  | 2         | 4                | 0             | 320            | 287                   | 225                 | 5         | 9                | 0             | 801            | 287                   | 496                 | 8         | 16               | 0             | 1140           | 636                   | 196                 | 0        | 8                | 0             | 1094           | 0                     | 29                  | 1        | 77               | 5             | 5              | 12                    | 3                   | 3         | 0                | 0             |                |  |  |  |  |   |
| May          | 1255                             | 190                   | 154                 | 12        | 5                | 0             | 338            | 309                   | 290                 | 23        | 13               | 0             | 784            | 285                   | 491                 | 23        | 18               | 0             | 892            | 463                   | 400                 | 2        | 18               | 0             | 1137           | 0                     | 22                  | 1        | 54               | 5             | 5              | 12                    | 3                   | 3         | 0                | 0             |                |  |  |  |  |   |
| June         |                                  |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |          |                  |               |                |                       |                     |          |                  |               |                |                       |                     |           |                  |               |                |  |  |  |  |   |
| July         |                                  |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |          |                  |               |                |                       |                     |          |                  |               |                |                       |                     |           |                  |               |                |  |  |  |  |   |
| August (*)   |                                  |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |          |                  |               |                |                       |                     |          |                  |               |                |                       |                     |           |                  |               |                |  |  |  |  |   |
| September    |                                  |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |          |                  |               |                |                       |                     |          |                  |               |                |                       |                     |           |                  |               |                |  |  |  |  |   |
| October      |                                  |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |          |                  |               |                |                       |                     |          |                  |               |                |                       |                     |           |                  |               |                |  |  |  |  |   |
| November     |                                  |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |          |                  |               |                |                       |                     |          |                  |               |                |                       |                     |           |                  |               |                |  |  |  |  |   |
| December     |                                  |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |           |                  |               |                |                       |                     |          |                  |               |                |                       |                     |          |                  |               |                |                       |                     |           |                  |               |                |  |  |  |  |   |
| <b>Total</b> | <b>5866</b>                      | <b>630</b>            | <b>257</b>          | <b>21</b> | <b>13</b>        | <b>0</b>      | <b>338</b>     | <b>1374</b>           | <b>1089</b>         | <b>95</b> | <b>36</b>        | <b>0</b>      | <b>784</b>     | <b>1380</b>           | <b>1991</b>         | <b>95</b> | <b>69</b>        | <b>0</b>      | <b>892</b>     | <b>2312</b>           | <b>1138</b>         | <b>9</b> | <b>28</b>        | <b>0</b>      | <b>1137</b>    | <b>144</b>            | <b>148</b>          | <b>4</b> | <b>54</b>        | <b>14</b>     | <b>14</b>      | <b>12</b>             | <b>12</b>           | <b>12</b> | <b>0</b>         | <b>0</b>      |                |  |  |  |  |   |

(\*) Adj / Notes:  
 Total SC Storage at month end (AF): 3152  
 Total Storage at month end (AF): 3218

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

Contract Year: 10/1/17 to: 9/30/18

Contract Entity: **Goleta Water District**  
 Last updated by C.O.M.B. 05/31/18

| Month        | Carryover Balance |                | Approved Allocation |              | CARRYOVER WATER |                   |                | CURRENT YEAR ALLOCATION |                   |              |            |            |
|--------------|-------------------|----------------|---------------------|--------------|-----------------|-------------------|----------------|-------------------------|-------------------|--------------|------------|------------|
|              | Prior Yr          | 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      |            |
|              | 3,088.0           | 3,728.0        | 570.6               | 170.4        | 741.1           | 45.1              | 741.1          | 786.2                   | 605.4             | 180.8        | 0.0        | 0.0        |
| Oct          |                   |                | 434.3               | 160.6        | 595.0           | 17.8              | 595.0          | 612.8                   | 447.3             | 165.5        | 0.0        | 0.0        |
| Nov          |                   |                | 102.2               | 35.9         | 138.1           | 11.2              | 138.1          | 149.3                   | 110.5             | 38.8         | 0.0        | 0.0        |
| Dec          |                   |                | 0.0                 | 42.6         | 42.6            | 10.4              | 42.6           | 53.0                    | 0.0               | 53.0         | 0.0        | 0.0        |
| Jan          |                   |                | 0.0                 | 98.0         | 98.0            | 12.2              | 98.0           | 110.2                   | 0.0               | 110.2        | 0.0        | 0.0        |
| Feb          |                   |                | 0.0                 | 11.6         | 11.6            | 9.6               | 11.6           | 21.2                    | 0.0               | 21.2         | 0.0        | 0.0        |
| Mar          |                   |                | 0.0                 | 79.2         | 79.2            | 16.1              | 79.2           | 95.2                    | 0.0               | 95.2         | 0.0        | 0.0        |
| Apr          |                   |                | 0.0                 | 126.0        | 126.0           | 19.4              | 126.0          | 145.4                   | 0.0               | 145.4        | 0.0        | 0.0        |
| May          |                   |                | -                   | -            | -               | -                 | -              | -                       | -                 | -            | -          | -          |
| Jun          |                   |                | -                   | -            | -               | -                 | -              | -                       | -                 | -            | -          | -          |
| Jul          |                   |                | -                   | -            | -               | -                 | -              | -                       | -                 | -            | -          | -          |
| Aug          |                   |                | -                   | -            | -               | -                 | -              | -                       | -                 | -            | -          | -          |
| Sep          |                   |                | -                   | -            | -               | -                 | -              | -                       | -                 | -            | -          | -          |
| <b>Total</b> | <b>3,088.0</b>    | <b>3,728.0</b> | <b>1,107.2</b>      | <b>724.4</b> | <b>1,831.6</b>  | <b>141.7</b>      | <b>1,831.6</b> | <b>1,973.3</b>          | <b>1,163.2</b>    | <b>810.1</b> | <b>0.0</b> | <b>0.0</b> |

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

| Month     | SCHEDULE AND REVISIONS     |            |         | SCHEDULE AND REVISIONS |         |         |
|-----------|----------------------------|------------|---------|------------------------|---------|---------|
|           | Total                      | Allocation |         | Allocation             |         | Total   |
|           |                            | M & I      | Agr     | M & I                  | Agr     |         |
| Begin Bal | 3,088.0                    | 1,976.0    | 1,112.0 | 2,609.0                | 1,119.0 | 3,728.0 |
| Nov       | -                          | -          | -       | -                      | -       | -       |
| Dec       | -                          | -          | -       | -                      | -       | -       |
| Jan       | -                          | -          | -       | -                      | -       | -       |
| Feb       | -                          | -          | -       | -                      | -       | -       |
| Mar       | -                          | -          | -       | -                      | -       | -       |
| Apr       | Bishop Ranch Exch (+100AF) | -          | -       | 100.0                  | -       | 100.0   |
| May       | ID #1 Exchange (+ 26AF)    | -          | -       | 11.2                   | 14.8    | 26.0    |
| Jun       | -                          | -          | -       | -                      | -       | -       |
| Jul       | -                          | -          | -       | -                      | -       | -       |
| Aug       | -                          | -          | -       | -                      | -       | -       |
| Sep       | -                          | -          | -       | -                      | -       | -       |

| Month | BALANCE - CARRYOVER WATER |            |       | BALANCE - CURR YR ALLOC |         |         |
|-------|---------------------------|------------|-------|-------------------------|---------|---------|
|       | Total                     | Allocation |       | Allocation              |         | Total   |
|       |                           | M & I      | Agr   | M & I                   | Agr     |         |
| Oct   | 2,301.8                   | 1,370.6    | 931.2 | 2,609.0                 | 1,119.0 | 3,728.0 |
| Nov   | 1,689.0                   | 923.3      | 765.7 | 2,609.0                 | 1,119.0 | 3,728.0 |
| Dec   | 1,539.7                   | 812.8      | 726.9 | 2,609.0                 | 1,119.0 | 3,728.0 |
| Jan   | 1,486.7                   | 812.8      | 673.9 | 2,609.0                 | 1,119.0 | 3,728.0 |
| Feb   | 1,376.5                   | 812.8      | 563.7 | 2,609.0                 | 1,119.0 | 3,728.0 |
| Mar   | 1,355.3                   | 812.8      | 542.5 | 2,609.0                 | 1,119.0 | 3,728.0 |
| Apr   | 1,260.1                   | 812.8      | 447.3 | 2,709.0                 | 1,119.0 | 3,828.0 |
| May   | 1,114.7                   | 812.8      | 301.9 | 2,720.2                 | 1,133.8 | 3,854.0 |
| Jun   | -                         | -          | -     | -                       | -       | -       |
| Jul   | -                         | -          | -     | -                       | -       | -       |
| Aug   | -                         | -          | -     | -                       | -       | -       |
| Sep   | -                         | -          | -     | -                       | -       | -       |

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 4,968.7**



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

Contract Year: 10/1/17 to: 9/30/18

Contract Entity: **Carpinteria Valley Water District**  
 Last updated by C.O.M.B. 05/31/18

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

| Month        | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|--------------|----------------------------|-----------------------------|
| Oct          | 800.0                      | 1,125.0                     |
| Nov          |                            |                             |
| Dec          |                            |                             |
| Jan          |                            |                             |
| Feb          |                            |                             |
| Mar          |                            |                             |
| Apr          |                            |                             |
| May          |                            |                             |
| Jun          |                            |                             |
| Jul          |                            |                             |
| Aug          |                            |                             |
| Sep          |                            |                             |
| <b>Total</b> | <b>800.0</b>               | <b>1,125.0</b>              |

| TOTAL WATER CHARGED |              |              | WATER USE CHARGED |              |              | WATER USE CHARGED |              |            |          |          |
|---------------------|--------------|--------------|-------------------|--------------|--------------|-------------------|--------------|------------|----------|----------|
| Acre-feet           |              |              |                   |              |              |                   |              |            |          |          |
| M & I               | Agr          | Total        | Evap              | Used         | Total        | Allocation        |              | Allocation |          | Total    |
| M & I               | Agr          | Total        | M & I             | Agr          | M & I        | Agr               | M & I        | Agr        | Total    |          |
| 85.9                | 121.2        | 207.1        | 11.7              | 207.1        | 218.8        | 90.7              | 128.1        | 0.0        | 0.0      | 0.0      |
| 125.0               | 155.3        | 280.3        | 4.5               | 280.3        | 284.8        | 127.0             | 157.8        | 0.0        | 0.0      | 0.0      |
| 115.4               | 158.4        | 273.7        | 2.0               | 273.7        | 275.7        | 116.2             | 159.5        | 0.0        | 0.0      | 0.0      |
| 0.0                 | 0.0          | 0.0          | 0.1               | 0.0          | 0.1          | 0.0               | 0.1          | 0.0        | 0.0      | 0.0      |
| 0.0                 | 0.0          | 0.0          | 0.2               | 0.0          | 0.2          | 0.0               | 0.2          | 0.0        | 0.0      | 0.0      |
| 0.0                 | 0.0          | 0.0          | 0.1               | 0.0          | 0.1          | 0.0               | 0.1          | 0.0        | 0.0      | 0.0      |
| 0.0                 | 0.0          | 0.0          | 0.2               | 0.0          | 0.2          | 0.0               | 0.2          | 0.0        | 0.0      | 0.0      |
| 0.0                 | 0.0          | 0.0          | 0.3               | 0.0          | 0.3          | 0.0               | 0.3          | 0.0        | 0.0      | 0.0      |
| -                   | -            | -            | -                 | -            | -            | -                 | -            | -          | -        | -        |
| -                   | -            | -            | -                 | -            | -            | -                 | -            | -          | -        | -        |
| -                   | -            | -            | -                 | -            | -            | -                 | -            | -          | -        | -        |
| -                   | -            | -            | -                 | -            | -            | -                 | -            | -          | -        | -        |
| <b>326.3</b>        | <b>434.9</b> | <b>761.1</b> | <b>19.2</b>       | <b>761.1</b> | <b>780.3</b> | <b>334.0</b>      | <b>446.3</b> | <b>-</b>   | <b>-</b> | <b>-</b> |

| SCHEDULE AND REVISIONS |       |  | SCHEDULE AND REVISIONS |       |            |       |         |
|------------------------|-------|--|------------------------|-------|------------|-------|---------|
|                        |       |  | Allocation             |       | Allocation |       | Total   |
|                        |       |  | M & I                  | Agr   | M & I      | Agr   | Total   |
| Begin Bal              | 800.0 |  | 340.0                  | 460.0 | 518.0      | 607.0 | 1,125.0 |
|                        |       |  |                        |       |            |       | -       |
|                        |       |  |                        |       |            |       | -       |
|                        |       |  |                        |       |            |       | -       |
|                        |       |  |                        |       |            |       | -       |
|                        |       |  |                        |       |            |       | -       |
|                        |       |  |                        |       |            |       | -       |
| ID #1 Exchange (+12AF) |       |  |                        |       | 5.2        | 6.8   | 12.0    |
|                        |       |  |                        |       |            |       | -       |
|                        |       |  |                        |       |            |       | -       |
|                        |       |  |                        |       |            |       | -       |
|                        |       |  |                        |       |            |       | -       |

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

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| BALANCE - CARRYOVER WATER |       |  | BALANCE - CURR YR ALLOC |       |            |       |         |
|---------------------------|-------|--|-------------------------|-------|------------|-------|---------|
|                           |       |  | Allocation              |       | Allocation |       | Total   |
|                           |       |  | M & I                   | Agr   | M & I      | Agr   | Total   |
|                           | 581.2 |  | 249.3                   | 331.9 | 518.0      | 607.0 | 1,125.0 |
|                           | 296.4 |  | 122.2                   | 174.2 | 518.0      | 607.0 | 1,125.0 |
|                           | 20.7  |  | 6.0                     | 14.7  | 518.0      | 607.0 | 1,125.0 |
|                           | 20.6  |  | 6.0                     | 14.5  | 518.0      | 607.0 | 1,125.0 |
|                           | 20.4  |  | 6.0                     | 14.4  | 518.0      | 607.0 | 1,125.0 |
|                           | 20.3  |  | 6.0                     | 14.2  | 518.0      | 607.0 | 1,125.0 |
|                           | 20.0  |  | 6.0                     | 14.0  | 518.0      | 607.0 | 1,125.0 |
|                           | 19.7  |  | 6.0                     | 13.7  | 523.2      | 613.8 | 1,137.0 |
|                           |       |  |                         |       |            |       | -       |
|                           |       |  |                         |       |            |       | -       |
|                           |       |  |                         |       |            |       | -       |
|                           |       |  |                         |       |            |       | -       |

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| Jul   |
| Aug   |
| Sep   |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 1,156.7

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

Contract Year: 10/1/17 to: 9/30/18

Contract Entity: **Montecito Water District**  
 Last updated by C.O.M.B. 05/31/18

| Month        | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|--------------|----------------------------|-----------------------------|
| Oct          | 1,011.0                    | 1,060.0                     |
| Nov          |                            |                             |
| Dec          |                            |                             |
| Jan          |                            |                             |
| Feb          |                            |                             |
| Mar          |                            |                             |
| Apr          |                            |                             |
| May          |                            |                             |
| Jun          |                            |                             |
| Jul          |                            |                             |
| Aug          |                            |                             |
| Sep          |                            |                             |
| <b>Total</b> | <b>1,011.0</b>             | <b>1,060.0</b>              |

| Month        | TOTAL WATER USED |     |       | WATER USE CHARGED |      |       | WATER USE CHARGED |      |            | Total |     |
|--------------|------------------|-----|-------|-------------------|------|-------|-------------------|------|------------|-------|-----|
|              | Acre-feet        |     |       | Evap              | Used | Total | Allocation        |      | Allocation |       |     |
|              | M & I            | Agr | Total |                   |      |       | M & I             | Agr  | M & I      |       | Agr |
| Oct          | 0.0              | 0.0 | 0.0   | 14.8              | -    | 14.78 | 11.6              | 3.2  | 0.0        | 0.0   | 0.0 |
| Nov          | 0.0              | 0.0 | 0.0   | 7.7               | -    | 7.7   | 6.0               | 1.7  | 0.0        | 0.0   | 0.0 |
| Dec          | 0.0              | 0.0 | 0.0   | 6.6               | -    | 6.6   | 5.2               | 1.4  | 0.0        | 0.0   | 0.0 |
| Jan          | 0.0              | 0.0 | 0.0   | 6.6               | -    | 6.6   | 5.2               | 1.4  | 0.0        | 0.0   | 0.0 |
| Feb          | 0.0              | 0.0 | 0.0   | 8.0               | -    | 8.0   | 6.3               | 1.7  | 0.0        | 0.0   | 0.0 |
| Mar          | 0.0              | 0.0 | 0.0   | 6.7               | -    | 6.7   | 5.3               | 1.4  | 0.0        | 0.0   | 0.0 |
| Apr          | 0.0              | 0.0 | 0.0   | 11.4              | -    | 11.4  | 9.0               | 2.4  | 0.0        | 0.0   | 0.0 |
| May          | 0.0              | 0.0 | 0.0   | 15.3              | -    | 15.3  | 12.1              | 3.3  | 0.0        | 0.0   | 0.0 |
| Jun          | -                | -   | -     | -                 | -    | -     | -                 | -    | -          | -     | -   |
| Jul          | -                | -   | -     | -                 | -    | -     | -                 | -    | -          | -     | -   |
| Aug          | -                | -   | -     | -                 | -    | -     | -                 | -    | -          | -     | -   |
| Sep          | -                | -   | -     | -                 | -    | -     | -                 | -    | -          | -     | -   |
| <b>Total</b> | -                | -   | -     | 77.1              | -    | 77.1  | 60.6              | 16.5 | -          | -     | -   |

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

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| Month     | SCHEDULE AND REVISIONS |       |            | SCHEDULE AND REVISIONS |            |         |
|-----------|------------------------|-------|------------|------------------------|------------|---------|
|           | Description            | Total | Allocation |                        | Allocation |         |
|           |                        |       | M & I      | Agr                    | M & I      | Agr     |
| Begin Bal | 1,011.0                | 794.0 | 217.0      | 986.0                  | 74.0       | 1,060.0 |
| Oct       |                        |       |            | -                      | -          | -       |
| Nov       |                        |       |            | -                      | -          | -       |
| Dec       |                        |       |            | -                      | -          | -       |
| Jan       |                        |       |            | -                      | -          | -       |
| Feb       |                        |       |            | -                      | -          | -       |
| Mar       |                        |       |            | -                      | -          | -       |
| Apr       |                        |       |            | -                      | -          | -       |
| May       | ID #1 Exchange (+17AF) |       |            | 7.3                    | 9.7        | 17.0    |
| Jun       |                        |       |            | -                      | -          | -       |
| Jul       |                        |       |            | -                      | -          | -       |
| Aug       |                        |       |            | -                      | -          | -       |
| Sep       |                        |       |            | -                      | -          | -       |

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| Month | BALANCE - CARRYOVER WATER |            |       | BALANCE - CURR YR ALLOC |      |         |
|-------|---------------------------|------------|-------|-------------------------|------|---------|
|       | Total                     | Allocation |       | Allocation              |      | Total   |
|       |                           | M & I      | Agr   | M & I                   | Agr  |         |
| Oct   | 996.2                     | 782.4      | 213.8 | 986.0                   | 74.0 | 1,060.0 |
| Nov   | 988.5                     | 776.3      | 212.2 | 986.0                   | 74.0 | 1,060.0 |
| Dec   | 982.0                     | 771.2      | 210.8 | 986.0                   | 74.0 | 1,060.0 |
| Jan   | 975.3                     | 766.0      | 209.3 | 986.0                   | 74.0 | 1,060.0 |
| Feb   | 967.4                     | 759.7      | 207.6 | 986.0                   | 74.0 | 1,060.0 |
| Mar   | 960.6                     | 754.4      | 206.2 | 986.0                   | 74.0 | 1,060.0 |
| Apr   | 949.2                     | 745.5      | 203.7 | 986.0                   | 74.0 | 1,060.0 |
| May   | 933.9                     | 733.4      | 200.5 | 993.3                   | 83.7 | 1,077.0 |
| Jun   |                           |            |       |                         |      |         |
| Jul   |                           |            |       |                         |      |         |
| Aug   |                           |            |       |                         |      |         |
| Sep   |                           |            |       |                         |      |         |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **2,010.9**

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

Contract Year: 10/1/17 to: 9/30/18

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**  
 Last updated by **C.O.M.B. 05/31/18**

| Month        | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|--------------|----------------------------|-----------------------------|
| Oct          | 16.0                       | 1,060.0                     |
| Nov          |                            |                             |
| Dec          |                            |                             |
| Jan          |                            |                             |
| Feb          |                            |                             |
| Mar          |                            |                             |
| Apr          |                            |                             |
| May          |                            |                             |
| Jun          |                            |                             |
| Jul          |                            |                             |
| Aug          |                            |                             |
| Sep          |                            |                             |
| <b>Total</b> | <b>16.0</b>                | <b>1,060.0</b>              |

| 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        |            |
| 2.4              | 0.0        | 2.4         | 0.2               | 2.4         | 2.6         | 2.6         | 0.0               | 0.0        | 0.0        | 0.0        |
| 1.2              | 0.0        | 1.2         | 0.1               | 1.2         | 1.3         | 1.3         | 0.0               | 0.0        | 0.0        | 0.0        |
| 2.4              | 0.0        | 2.4         | 0.1               | 2.4         | 2.4         | 2.4         | 0.0               | 0.0        | 0.0        | 0.0        |
| 0.9              | 0.0        | 0.9         | 0.1               | 0.9         | 1.0         | 1.0         | 0.0               | 0.0        | 0.0        | 0.0        |
| 1.3              | 0.0        | 1.3         | 0.1               | 1.3         | 1.4         | 1.4         | 0.0               | 0.0        | 0.0        | 0.0        |
| 0.2              | 0.0        | 0.2         | 0.1               | 0.2         | 0.2         | 0.2         | 0.0               | 0.0        | 0.0        | 0.0        |
| 1.9              | 0.0        | 1.9         | 0.1               | 1.9         | 2.0         | 2.0         | 0.0               | 0.0        | 0.0        | 0.0        |
| 2.0              | 0.0        | 2.0         | 0.1               | 2.0         | 2.1         | 2.1         | 0.0               | 0.0        | 0.0        | 0.0        |
| -                | -          | -           | -                 | -           | -           | -           | -                 | -          | -          | -          |
| -                | -          | -           | -                 | -           | -           | -           | -                 | -          | -          | -          |
| -                | -          | -           | -                 | -           | -           | -           | -                 | -          | -          | -          |
| -                | -          | -           | -                 | -           | -           | -           | -                 | -          | -          | -          |
| <b>12.3</b>      | <b>0.0</b> | <b>12.3</b> | <b>0.8</b>        | <b>12.3</b> | <b>13.0</b> | <b>13.0</b> | <b>0.0</b>        | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> |

| CONVERSIONS (M&I AND AG SPLIT) |       |                    |     |
|--------------------------------|-------|--------------------|-----|
| CARRYOVER WATER                |       | CURR YR ALLOCATION |     |
| M & I                          | Agr   | M & I              | Agr |
| 2.6                            | (2.6) | -                  | -   |
| 1.3                            | (1.3) | -                  | -   |
| 2.4                            | (2.4) | -                  | -   |
| 1.0                            | (1.0) | -                  | -   |
| 1.4                            | (1.4) | -                  | -   |
| 0.2                            | (0.2) | -                  | -   |
| 2.0                            | (2.0) | -                  | -   |
| 2.1                            | (2.1) | -                  | -   |
| -                              | -     | -                  | -   |
| -                              | -     | -                  | -   |
| -                              | -     | -                  | -   |
| -                              | -     | -                  | -   |

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| SCHEDULE AND REVISIONS     |        |            | SCHEDULE AND REVISIONS |            |        |         |
|----------------------------|--------|------------|------------------------|------------|--------|---------|
|                            | Total  | Allocation |                        | Allocation |        | Total   |
|                            |        | M & I      | Agr                    | M & I      | Agr    |         |
| Begin Bal                  | 16.0   | 0.0        | 16.0                   | 710.0      | 350.0  | 1,060.0 |
| Oct                        | -      | -          | -                      | -          | -      | -       |
| Nov                        | -      | -          | -                      | -          | -      | -       |
| Dec                        | -      | -          | -                      | -          | -      | -       |
| Jan                        | -      | -          | -                      | -          | -      | -       |
| Feb                        | -      | -          | -                      | -          | -      | -       |
| Mar                        | -      | -          | -                      | -          | -      | -       |
| Apr                        | -      | -          | -                      | -          | -      | -       |
| May ID #1 Exchange (-72AF) | (72.0) | (31.0)     | (41.0)                 | (31.0)     | (41.0) | (72.0)  |
| Jun                        | -      | -          | -                      | -          | -      | -       |
| Jul                        | -      | -          | -                      | -          | -      | -       |
| Aug                        | -      | -          | -                      | -          | -      | -       |
| Sep                        | -      | -          | -                      | -          | -      | -       |

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| BALANCE - CARRYOVER WATER |       |            | BALANCE - CURR YR ALLOC |            |       |         |
|---------------------------|-------|------------|-------------------------|------------|-------|---------|
| County Parks Usage (AF)   | Total | Allocation |                         | Allocation |       | Total   |
|                           |       | M & I      | Agr                     | M & I      | Agr   |         |
| Oct                       | 2.4   | -          | 13.4                    | 710.0      | 350.0 | 1,060.0 |
| Nov                       | 1.2   | -          | 12.0                    | 710.0      | 350.0 | 1,060.0 |
| Dec                       | 2.4   | -          | 9.6                     | 710.0      | 350.0 | 1,060.0 |
| Jan                       | 0.9   | -          | 8.6                     | 710.0      | 350.0 | 1,060.0 |
| Feb                       | 1.3   | -          | 7.2                     | 710.0      | 350.0 | 1,060.0 |
| Mar                       | 0.2   | -          | 7.0                     | 710.0      | 350.0 | 1,060.0 |
| Apr                       | 1.9   | -          | 5.1                     | 710.0      | 350.0 | 1,060.0 |
| May                       | 2.0   | -          | 3.0                     | 679.0      | 309.0 | 988.0   |
| Jun                       |       |            |                         |            |       |         |
| Jul                       |       |            |                         |            |       |         |
| Aug                       |       |            |                         |            |       |         |
| Sep                       |       |            |                         |            |       |         |

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 991.0**

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

Contract Year: 10/1/17 to: 9/30/18

Contract Entity: **Santa Barbara Co. Water Agency**  
 Last updated by C.O.M.B. 05/31/18

| Month        | Carryover Balance |                 | Approved Allocation |                | CARRYOVER WATER |                |                   |                | CURRENT YEAR ALLOCATION |                |                   |            |            |            |
|--------------|-------------------|-----------------|---------------------|----------------|-----------------|----------------|-------------------|----------------|-------------------------|----------------|-------------------|------------|------------|------------|
|              | Prior Yr          | Curr Yr         | TOTAL WATER USED    |                |                 |                | WATER USE CHARGED |                |                         |                | WATER USE CHARGED |            |            |            |
|              |                   |                 | Acre-feet           |                |                 |                | Allocation        |                |                         |                | Allocation        |            |            |            |
|              |                   |                 | Use %               | M & I          | Agr             | Total          | Evap              | Div            | Total                   | M & I          | Agr               | M & I      | Agr        | Total      |
| Oct          | 8,903.0           | 10,284.0        | 0.1                 | 658.9          | 291.7           | 950.6          | 130.2             | 950.6          | 1,080.8                 | 768.7          | 312.1             | 0.0        | 0.0        | 0.0        |
| Nov          |                   |                 | 0.0                 | 560.6          | 315.9           | 876.5          | 60.5              | 876.5          | 937.0                   | 612.1          | 324.9             | 0.0        | 0.0        | 0.0        |
| Dec          |                   |                 | 0.0                 | 219.9          | 194.3           | 414.2          | 45.7              | 414.2          | 459.9                   | 260.1          | 199.7             | 0.0        | 0.0        | 0.0        |
| Jan          |                   |                 | 0.0                 | 0.9            | 0.0             | 43.5           | 43.3              | 43.5           | 86.8                    | 32.2           | 54.5              | 0.0        | 0.0        | 0.0        |
| Feb          |                   |                 | 0.0                 | 1.3            | 98.0            | 99.3           | 52.0              | 99.3           | 151.3                   | 39.2           | 112.1             | 0.0        | 0.0        | 0.0        |
| Mar          |                   |                 | 0.0                 | 0.2            | 11.6            | 11.8           | 42.9              | 11.8           | 54.7                    | 32.0           | 22.8              | 0.0        | 0.0        | 0.0        |
| Apr          |                   |                 | 0.0                 | 1.9            | 79.2            | 81.0           | 72.8              | 81.0           | 153.8                   | 55.9           | 97.9              | 0.0        | 0.0        | 0.0        |
| May          |                   |                 | 0.0                 | 2.0            | 126.0           | 128.1          | 95.6              | 128.1          | 223.7                   | 74.7           | 149.0             | 0.0        | 0.0        | 0.0        |
| Jun          |                   |                 | -                   | -              | -               | -              | -                 | -              | -                       | -              | -                 | -          | -          | -          |
| Jul          |                   |                 | -                   | -              | -               | -              | -                 | -              | -                       | -              | -                 | -          | -          | -          |
| Aug          |                   |                 | -                   | -              | -               | -              | -                 | -              | -                       | -              | -                 | -          | -          | -          |
| Sep          |                   |                 | -                   | -              | -               | -              | -                 | -              | -                       | -              | -                 | -          | -          | -          |
| <b>Total</b> | <b>8,903.0</b>    | <b>10,284.0</b> | <b>0.2</b>          | <b>1,445.8</b> | <b>1,159.3</b>  | <b>2,605.1</b> | <b>542.9</b>      | <b>2,605.1</b> | <b>3,147.9</b>          | <b>1,874.9</b> | <b>1,273.0</b>    | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> |

| Month | CONVERSIONS (M&I AND AG) |       |                    |     |
|-------|--------------------------|-------|--------------------|-----|
|       | CARRYOVER WATER          |       | CURR YR ALLOCATION |     |
|       | M & I                    | Agr   | M & I              | Agr |
| Oct   | 2.6                      | (2.6) | -                  | -   |
| Nov   | 1.3                      | (1.3) | -                  | -   |
| Dec   | 2.4                      | (2.4) | -                  | -   |
| Jan   | 1.0                      | (1.0) | -                  | -   |
| Feb   | 1.4                      | (1.4) | -                  | -   |
| Mar   | 0.2                      | (0.2) | -                  | -   |
| Apr   | 2.0                      | (2.0) | -                  | -   |
| May   | 2.1                      | (2.1) | -                  | -   |
| Jun   | -                        | -     | -                  | -   |
| Jul   | -                        | -     | -                  | -   |
| Aug   | -                        | -     | -                  | -   |
| Sep   | -                        | -     | -                  | -   |

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| Month | SCHEDULE AND REVISIONS |         |            |         | SCHEDULE AND REVISIONS |         |          |
|-------|------------------------|---------|------------|---------|------------------------|---------|----------|
|       | Begin Bal              | Total   | Allocation |         | Allocation             |         | Total    |
|       |                        |         | M & I      | Agr     | M & I                  | Agr     |          |
| Oct   |                        | 8,903.0 | 7,098.0    | 1,805.0 | 8,134.0                | 2,150.0 | 10,284.0 |
| Nov   |                        | -       | -          | -       | -                      | -       | -        |
| Dec   |                        | -       | -          | -       | -                      | -       | -        |
| Jan   |                        | -       | -          | -       | -                      | -       | -        |
| Feb   |                        | -       | -          | -       | -                      | -       | -        |
| Mar   |                        | -       | -          | -       | -                      | -       | -        |
| Apr   |                        | -       | -          | -       | 100.0                  | -       | 100.0    |
| May   |                        | -       | -          | -       | 9.7                    | (9.7)   | -        |
| Jun   |                        | -       | -          | -       | -                      | -       | -        |
| Jul   |                        | -       | -          | -       | -                      | -       | -        |
| Aug   |                        | -       | -          | -       | -                      | -       | -        |
| Sep   |                        | -       | -          | -       | -                      | -       | -        |

| Month | BALANCE - CARRYOVER WATER |         |            |         | BALANCE - CURR YR ALLOC |         |          |
|-------|---------------------------|---------|------------|---------|-------------------------|---------|----------|
|       | County Parks Usage (AF)   | Total   | Allocation |         | Allocation              |         | Total    |
|       |                           |         | M & I      | Agr     | M & I                   | Agr     |          |
| Oct   | 2.4                       | 7,822.2 | 6,332.0    | 1,490.3 | 8,134.0                 | 2,150.0 | 10,284.0 |
| Nov   | 1.2                       | 6,885.3 | 5,721.1    | 1,164.1 | 8,134.0                 | 2,150.0 | 10,284.0 |
| Dec   | 2.4                       | 6,425.4 | 5,463.4    | 961.9   | 8,134.0                 | 2,150.0 | 10,284.0 |
| Jan   | 0.9                       | 6,338.6 | 5,432.2    | 906.4   | 8,134.0                 | 2,150.0 | 10,284.0 |
| Feb   | 1.3                       | 6,187.3 | 5,394.3    | 792.9   | 8,134.0                 | 2,150.0 | 10,284.0 |
| Mar   | 0.2                       | 6,132.6 | 5,362.6    | 770.0   | 8,134.0                 | 2,150.0 | 10,284.0 |
| Apr   | 1.9                       | 5,978.8 | 5,308.7    | 670.1   | 8,234.0                 | 2,150.0 | 10,384.0 |
| May   | 2.0                       | 5,755.1 | 5,236.1    | 519.0   | 8,243.7                 | 2,140.3 | 10,384.0 |
| Jun   | -                         | -       | -          | -       | -                       | -       | -        |
| Jul   | -                         | -       | -          | -       | -                       | -       | -        |
| Aug   | -                         | -       | -          | -       | -                       | -       | -        |
| Sep   | -                         | -       | -          | -       | -                       | -       | -        |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 16,139.1



# CACHUMA DAILY OPERATIONS

Month & Year: June 2018  
 Time of Observations: 0830 Evaporation Pan Factor: 82%

| Day | Beginning Storage: 76,643 |                      |                     | Surface Area<br>acres | Rainfall<br>inches | Rainfall<br>acre-feet | Evap.<br>inches | Evap.<br>acre-feet | CCWA<br>Inflow<br>acre-feet | Releases              |                     |                     |                     |                       | Computed<br>Inflow<br>acre-feet |
|-----|---------------------------|----------------------|---------------------|-----------------------|--------------------|-----------------------|-----------------|--------------------|-----------------------------|-----------------------|---------------------|---------------------|---------------------|-----------------------|---------------------------------|
|     | Elevation<br>ft           | Storage<br>acre-feet | Change<br>acre-feet |                       |                    |                       |                 |                    |                             | S. Coast<br>acre-feet | Hilton<br>acre-feet | WR8918<br>acre-feet | Outlet<br>acre-feet | Spillway<br>acre-feet |                                 |
| 1   | 702.71                    | 76577                | -66                 | 1642                  | 0.00               |                       | 0.33            | 37.0               | 41.1                        | 60.5                  | 4.9                 |                     | 5.1                 |                       | 0.4                             |
| 2   | 702.68                    | 76528                | -50                 | 1642                  | 0.00               |                       | 0.45            | 50.5               | 38.0                        | 60.3                  | 4.9                 |                     | 6.1                 |                       | 34.2                            |
| 3   | 702.65                    | 76478                | -50                 | 1641                  | 0.00               |                       | 0.41            | 46.0               | 36.8                        | 62.1                  | 5.1                 |                     | 4.9                 |                       | 31.7                            |
| 4   | 702.62                    | 76429                | -50                 | 1640                  | 0.00               |                       | 0.43            | 48.2               | 36.8                        | 59.7                  | 4.9                 |                     | 6.1                 |                       | 32.6                            |
| 5   | 702.58                    | 76363                | -65                 | 1640                  | 0.00               |                       | 0.48            | 53.8               | 39.2                        | 60.2                  | 4.9                 |                     | 5.1                 |                       | 19.5                            |
| 6   | 702.55                    | 76314                | -49                 | 1639                  | 0.00               |                       | 0.32            | 35.8               | 41.2                        | 61.2                  | 5.0                 |                     | 6.0                 |                       | 17.9                            |
| 7   | 702.51                    | 76249                | -65                 | 1638                  | 0.00               |                       | 0.24            | 26.9               | 41.2                        | 60.7                  | 4.9                 |                     | 6.1                 |                       | -7.9                            |
| 8   | 702.48                    | 76200                | -49                 | 1638                  | 0.00               |                       | 0.27            | 30.2               | 41.1                        | 60.3                  | 4.9                 |                     | 7.1                 |                       | 12.5                            |
| 9   | 702.44                    | 76135                | -65                 | 1637                  | 0.00               |                       | 0.29            | 32.4               | 37.1                        | 61.2                  | 4.9                 |                     | 7.1                 |                       | 3.3                             |
| 10  | 702.41                    | 76086                | -49                 | 1637                  | 0.00               |                       | 0.29            | 32.4               | 37.0                        | 59.8                  | 5.0                 |                     | 6.0                 |                       | 17.3                            |
| 11  | 702.37                    | 76020                | -65                 | 1636                  | 0.00               |                       | 0.25            | 27.9               | 41.2                        | 60.2                  | 4.9                 |                     | 7.1                 |                       | -6.3                            |
| 12  | 702.32                    | 75939                | -82                 | 1635                  | 0.00               |                       | 0.34            | 38.0               | 37.5                        | 84.8                  | 4.9                 |                     | 7.1                 |                       | 15.7                            |
| 13  | 702.27                    | 75857                | -82                 | 1634                  | 0.00               |                       | 0.35            | 39.1               | 36.7                        | 91.9                  | 4.9                 |                     | 6.1                 |                       | 23.7                            |
| 14  | 702.22                    | 75776                | -82                 | 1634                  | 0.00               |                       | 0.26            | 29.0               | 36.7                        | 74.6                  | 4.9                 |                     | 7.1                 |                       | -2.7                            |
| 15  | 702.18                    | 75710                | -65                 | 1633                  | 0.00               |                       | 0.38            | 42.4               | 36.7                        | 59.5                  | 4.9                 |                     | 6.1                 |                       | 10.9                            |
| 16  | 702.15                    | 75661                | -49                 | 1632                  | 0.00               |                       | 0.25            | 27.9               | 36.7                        | 61.1                  | 4.8                 |                     | 7.2                 |                       | 15.3                            |
| 17  | 702.12                    | 75612                | -49                 | 1632                  | 0.00               |                       | 0.26            | 29.0               | 36.7                        | 58.2                  | 5.0                 |                     | 6.0                 |                       | 12.5                            |
| 18  | 702.08                    | 75547                | -65                 | 1631                  | 0.00               |                       | 0.06            | 6.7                | 40.9                        | 57.9                  | 4.9                 |                     | 7.1                 |                       | -29.6                           |
| 19  | 702.05                    | 75498                | -49                 | 1631                  | 0.00               |                       | 0.25            | 27.9               | 40.9                        | 58.8                  | 4.8                 |                     | 6.2                 |                       | 7.8                             |
| 20  | 702.02                    | 75449                | -49                 | 1630                  | 0.00               |                       | 0.37            | 41.2               | 37.0                        | 57.4                  | 4.9                 |                     | 7.1                 |                       | 24.7                            |
| 21  | 701.98                    | 75384                | -65                 | 1630                  | 0.00               |                       | 0.27            | 30.1               | 34.7                        | 58.6                  | 4.9                 |                     | 7.1                 |                       | 0.7                             |
| 22  | 701.94                    | 75319                | -65                 | 1629                  | 0.00               |                       | 0.19            | 21.1               | 36.8                        | 58.9                  | 4.8                 |                     | 6.2                 |                       | -11.0                           |
| 23  |                           |                      |                     |                       |                    |                       |                 |                    |                             |                       |                     |                     |                     |                       |                                 |
| 24  |                           |                      |                     |                       |                    |                       |                 |                    |                             |                       |                     |                     |                     |                       |                                 |
| 25  |                           |                      |                     |                       |                    |                       |                 |                    |                             |                       |                     |                     |                     |                       |                                 |
| 26  |                           |                      |                     |                       |                    |                       |                 |                    |                             |                       |                     |                     |                     |                       |                                 |
| 27  |                           |                      |                     |                       |                    |                       |                 |                    |                             |                       |                     |                     |                     |                       |                                 |
| 28  |                           |                      |                     |                       |                    |                       |                 |                    |                             |                       |                     |                     |                     |                       |                                 |
| 29  |                           |                      |                     |                       |                    |                       |                 |                    |                             |                       |                     |                     |                     |                       |                                 |
| 30  |                           |                      |                     |                       |                    |                       |                 |                    |                             |                       |                     |                     |                     |                       |                                 |

|               |  |  |       |  |      |     |      |       |     |       |     |         |       |     |       |     |       |
|---------------|--|--|-------|--|------|-----|------|-------|-----|-------|-----|---------|-------|-----|-------|-----|-------|
| <b>TOTALS</b> |  |  | -1324 |  | 0.00 | 0.0 | 6.74 | 753.6 | 0.0 | 842.0 | 0.0 | 1,387.9 | 108.0 | 0.0 | 140.0 | 0.0 | 223.0 |
|---------------|--|--|-------|--|------|-----|------|-------|-----|-------|-----|---------|-------|-----|-------|-----|-------|

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: **May 2018****

| <b>Cachuma Lake Recreation Area<br/>Launch Data -- May 2018</b> |     |     |
|-----------------------------------------------------------------|-----|-----|
| <b>Inspection Data</b>                                          |     |     |
| Total Vessels entering Park                                     | 291 |     |
| Total Vessels launched                                          | 280 |     |
| Total Vessels Quarantined                                       | 11  |     |
| Returning with Boat Launch Tag                                  | 202 | 72% |
| New: Removed from Quarantine                                    |     |     |
| Kayak/Canoe: Inspected, launched                                | 78  | 28% |
| 4-stroke Engines                                                |     |     |
| 2-strokes, w/CARB star ratings                                  |     |     |
| 2-strokes, NO emissions ratings                                 |     |     |
| <b>Quarantine Data</b>                                          |     |     |
| Total Vessels Quarantined                                       | 11  |     |
| Quarantined 7 days                                              | *   |     |
| Quarantined 14 days                                             | *   |     |
| Quarantined 30 days                                             | 11  |     |
| <b>Quarantine Cause</b>                                         |     |     |
| Water on vessel*                                                | *   |     |
| Debris on hull*                                                 | *   |     |
| Plug installed*                                                 | *   |     |
| From infected county                                            | 2   |     |
| Ballast tanks*                                                  | *   |     |
| Boat longer than 24 feet*                                       | *   |     |
| Out-of-state                                                    | 0   |     |
| Unspecified*                                                    | *   |     |
| Mandatory Quarantine All Untagged Boats                         | 11  |     |
| <b>Demographic Data</b>                                         |     |     |
| Quarantined from infected county                                | 2   |     |
| Quarantined from SB County                                      | 9   |     |
| Quarantined from uninfected co                                  | 0   |     |

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: 2018.05.31; 9:00 11:00 PDT  
 Method: 10 PVC/Cement Sampling Stations; 52 linear feet of line  
 Surveyors: SBCO Parks  
 Lake elevation: Max feet: 753.00, current 702.79; Max acre-feet: 193,305, current: 76,709;  
 Current capacity: 39.7%