

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

Monday, May 20, 2019

1:00 PM

AGENDA

1. **CALL TO ORDER, ROLL CALL**
2. **PUBLIC COMMENT** (*Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction. See "Notice to the Public" below. Please make your comments from the podium once acknowledged by the President of the Board.*)
3. **CONSENT AGENDA** (*All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.*)
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board:
 - a. Minutes of April 22, 2019 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
4. **VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Fisheries Committee Meeting – May 10, 2019
 - Operations Committee Meeting – May 13, 2019
5. **FINANCIAL REVIEW - 3rd QUARTER FISCAL YEAR 2018-19**
Action: Receive and file the 3rd Quarter Fiscal Year 2018-19 Financial Review
6. **RESOLUTION NO. 685 – COMB FISCAL YEAR 2019-20 OPERATING BUDGET**
Action: Recommend approval and adoption by motion and roll call vote of the Board
7. **RESOLUTION NO. 686 - SYCAMORE CANYON SLOPE STABILIZATION PROJECT – CONSTRUCTION BID AWARD AND ENGINEERING SERVICES DURING CONSTRUCTION**
Action: Recommend approval and adoption by motion and roll call vote of the Board

8. **RESOLUTION NO. 687 – ADOPTION OF COMB HAZARD MITIGATION PLAN (ANNEX TO THE 2017 SANTA BARBARA COUNTY MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN)**
Action: Recommend approval and adoption by motion and roll call vote of the Board
9. **SOUTH COAST CONDUIT (SCC) SAN JOSE CREEK CROSSING PROTECTIVE MEASURES PROJECT – ENGINEERING DESIGN**
Action: Recommend approval by motion and roll call vote of the Board
10. **NORTH PORTAL ACCESS ROAD EROSION CONTROL PROJECT**
Action: Recommend approval by motion and roll call vote of the Board
11. **RESOLUTION NO. 688 – CONDITIONAL APPROVAL OF EXPENDITURES FOR QUIOTA CREEK CROSSING NO. 8 FISH PASSAGE IMPROVEMENT PROJECT**
Action: Recommend approval and adoption by motion and roll call vote of the Board
12. **GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Administration
 - Engineering / Operations Division
13. **WATER RESOURCES ENGINEER / OPERATIONS REPORT**
Receive information from the Water Resources Engineer, including but not limited to the following:
 - Climate Conditions
 - Lake Cachuma Conveyance Feasibility Study
 - Lake Water Quality and Sediment Management Study
 - Infrastructure Improvement Planning
 - Lake Cachuma Operations
 - South Coast Conduit Operations
14. **FISHERIES DIVISION REPORT**
Receive information regarding Fisheries Division activities, including but not limited to the following:
 - LSYR Steelhead Monitoring Elements
 - Tributary Project Updates
 - Surcharge Water Accounting
 - Reporting/Outreach/Training
15. **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

16. **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

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

18. **[CLOSED SESSION]: CONFERENCE WITH LEGAL COUNSEL: EXISTING AND POTENTIAL LITIGATION**
 - a. [Government Code Section 54956.9(d)(1)]
Name of matter: *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

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

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

20. **MEETING SCHEDULE**
 - **June 24, 2019 at 1:00 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.

THIS PAGE INTENTIONALLY LEFT BLANK

**MINUTES OF A REGULAR MEETING
OF
CACHUMA OPERATION AND MAINTENANCE BOARD
held at**

3301 Laurel Canyon Road, Santa Barbara, CA 93105

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

1. CALL TO ORDER, ROLL CALL

The meeting was called to order by President Holcombe at 1:00 PM.

Directors Present:

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

General Counsel Present:

William Carter, Musick, Peeler & Garrett, LLP

Staff Present:

Janet Gingras, General Manager	Tim Robinson, Fisheries Division Manager
Edward Lyons, Administrative Manager/CFO	Dave Stewart, Operations Division Manager
Joel Degner, Water Resources Engineer	Dorothy Turner, Administrative Assistant II

Others Present:

Farfalla Borah, Goleta Water District	Mark Preston, SYV We Watch
Fray Crease, SB Water Agency	

2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

- a. Minutes of March 25, 2019 Regular Board Meeting
- b. Investment of Funds
 - Financial Reports
 - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda items as contained in the board packet. The Consent Agenda was divided into two motions.

Director Hanson motioned that the Minutes be approved as presented. Seconded by President Holcombe, the motions passed with a vote of five in favor and one abstention.

Ayes: Sneddon, Hanson, Holcombe

Nays:

Absent:

Abstain: Hayman

Director Sneddon motioned that the Investment of Funds and the Review of Paid Claims be approved as presented. Seconded by Director Hanson, the motion passed unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

4. **VERBAL REPORTS FROM BOARD COMMITTEES**

- *Operations Committee Meeting – April 16, 2019* – Director Sneddon reviewed the committee meeting items as provided in the agenda, noting that certain items from the committee meeting are addressed in the Board Meeting agenda. She summarized briefly the remaining items.

5. **EMERGENCY PUMPING FACILITY PROJECT CONTRACT**

Ms. Gingras presented the staff memo, recommending that the Cushman Contracting Corporation contract be continued on a month to month basis at a cost of \$3,500 per month. Mr. Degner provided further analysis of the recommendation. Director Hayman motioned to approve the continuation of the Cushman Contracting Corporation's contract as recommended. Seconded by Director Hanson, the motion passed unanimously with a vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain:

6. **U.S. BUREAU OF RECLAMATION OWNED FACILITIES**

Ms. Gingras presented information on the current status of the needed repairs to Hilton Creek Watering System and requested Board direction with respect to any proposed action. She fielded questions from the board. Following a lengthy discussion, the Board directed Ms. Gingras to draft a letter to the Bureau to express the Board's concerns regarding the repairs needed for the Hilton Creek Watering System.

7. **GENERAL MANAGER REPORT**

- Meetings
- Administration
- Engineering / Operations Division

Ms. Gingras presented the General Manager Report, highlighting the Member Agency meeting to discuss the continued development of the Infrastructure Improvement Plan (IIP), proposed options for the Emergency Pumping Facility Project contract, status of the Water Quality and Sediment Management Study, and the draft COMB FY 2019-20 Operating Budget. She provided updates on the IRWMP funding and the COMB Infrastructure Improvement Plan Progress Update . She reviewed the contracts executed by the General Manager. Ms. Gingras fielded questions from the Board.

8. WATER RESOURCES ENGINEER REPORT

- Climate Conditions
- Lake Cachuma Conveyance Feasibility Study
- Lake Cachuma Water Quality and Sediment Management Study
- Infrastructure Improvement Project Status

Mr. Degner presented the Water Resources Engineer report, providing climate and Lake Cachuma Conveyance Feasibility Study updates. He noted that COMB has applied for a Reclamation Drought Resiliency Grant in the amount of \$750,000. Mr. Degner provided an update on the Water Quality and Sediment Management Study and reported that data gaps in the water quality of Lake Cachuma had been identified and would be addressed with further sampling. He reviewed the status of the Infrastructure Improvement Projects.

9. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Stewart presented the Operations Division report, highlighting the relocation of the Santa Cruz log boom to the Lake Cachuma marina, at the request of the County of Santa Barbara. He 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 the Fisheries Division report, highlighting ongoing trapping, successful O. mykiss spawning in Hilton Creek and continued monitoring required by the Biological Opinion. He provided an update on the progress of the Quiota Creek Crossing 8 project and information on Surcharge Water Accounting. Mr. Robinson updated the Board on the status of the Annual Monitoring Summaries and fielded questions from the Board.

11. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson presented the Lake Cachuma Oak Tree report, noting ongoing maintenance of the trees, in particular, irrigation efforts. He advised that the Lake Cachuma Oak Tree committee would meet at the beginning of the next fiscal year to suggest Oak Tree program recommendations for the upcoming year.

12. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras presented the monthly reports, noting the Cachuma Water Reports reflect 100% water allocation for the current water year, as approved by Reclamation. There were no questions from the Board.

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

The Board requested that they be kept up to date on the status of the Hilton Creek Watering System repair, either within the General Manager report or as a separate agenda item.

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

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

The Board entered into closed session at 2:55 PM.

15.

RECONVENE INTO OPEN SESSION

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

- 14a. *Cachuma Operation & Maintenance Board v. Santa Ynez River Water Conservation District, Improvement District Number 1*, Case No. 19CV01873 – Breach of Contract and Declaratory Relief

The board came out of closed session at 3:19 PM. There was no reportable action.

16. **MEETING SCHEDULE**

- **May 9, 2019 at 10:00 AM, Special Board Meeting**
- **May 20, 2019 at 1:00 PM, COMB Office**
- **Board Packages available on COMB website www.cachuma-board.org**

17. **COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 3:20 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

APPROVED:

	<i>Approved</i>
√	<i>Unapproved</i>

Polly Holcombe, President of the Board

Cachuma Operation & Maintenance Board
Statement of Net Position
As of April 30, 2019
UNAUDITED FINANCIALS

Apr 30, 19

ASSETS

Current Assets

Checking/Savings

Trust Funds

1210 · Warren Act Trust Fund \$ 714,201.65

1220 · Renewal Fund 10,215.61

Total Trust Funds \$ 724,417.26

1050 · General Fund 953,230.22

1100 · Revolving Fund 132,475.65

Total Checking/Savings 1,810,123.13

Accounts Receivable

1301 · Accounts Receivable 137,345.98

1320 · Quarterly Assessments Receivable 402,942.00

1325 · Bank Loan Receivable - EPFP 90,115.31

Total Accounts Receivable 630,403.29

Other Current Assets

1010 · Petty Cash 500.00

1200 · LAIF 887,000.87

1303 · Bradbury SOD Act Assessments Receivable 195,566.00

1304 · Lauro Dam SOD Assessments Receivable 30,258.63

1400 · Prepaid Insurance 19,555.72

Total Other Current Assets 1,132,881.22

Total Current Assets 3,573,407.64

Fixed Assets

1500 · Vehicles 445,723.91

1505 · Office Furniture & Equipment 443,923.41

1510 · Mobile Offices 97,803.34

1515 · Field Equipment 594,001.22

1525 · Paving 38,351.00

1550 · Accumulated Depreciation (1,462,883.66)

Total Fixed Assets 156,919.22

Other Assets

1910 · Long Term Bradbury SOD Act Assess Receivable 4,680,154.07

1920 · Long Term Lauro SOD Act Assess Receivable 835,169.28

1922 · Deferred Outflow of Resources (GASB 68) 581,365.00

Total Other Assets 6,096,688.35

TOTAL ASSETS \$ 9,827,015.21

Cachuma Operation & Maintenance Board
Statement of Net Position
As of April 30, 2019
UNAUDITED FINANCIALS

Apr 30, 19

LIABILITIES & NET POSITION

Liabilities

Current Liabilities

Accounts Payable

2200 · Accounts Payable \$ 27,182.00

Total Accounts Payable 27,182.00

Other Current Liabilities

2550 · Vacation/Sick 150,085.16

2561 · Bradbury Dam SOD Act 195,576.66

2563 · Lauro Dam SOD Act 30,258.63

2565 · Accrued Interest SOD Act 62,424.00

2567 · Loan Payable Current EPFP 418,020.44

2590 · Deferred Revenue 724,417.26

Total Other Current Liabilities 1,580,782.15

Total Current Liabilities 1,607,964.15

Long Term Liabilities

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

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

2604 · OPEB Long Term Liability 5,078,967.00

2605 · Loan Payable Principal - EPFP 574,415.77

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

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

Total Long Term Liabilities 13,100,077.12

Total Liabilities 14,708,041.27

Net Position

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

3901 · Retained Net Position (1,283,902.60)

Net Position 1,699,456.59

Total Net Position (4,881,026.06)

TOTAL LIABILITIES & NET POSITION \$ **9,827,015.21**

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

	Fisheries				Operations				TOTAL			
	Jul '18 - Apr 19	Budget	\$ Over/(Under)		Jul '18 - Apr 19	Budget	\$ Over/(Under)		Jul '18 - Apr 19	Budget	\$ Over/(Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
Revenue												
3000 REVENUE												
3001 - O&M Budget (Qtrly Assessments)	\$ 897,716.00	\$ 946,511.00	\$ (48,795.00)	94.85%	\$ 3,290,378.00	\$ 3,292,374.00	\$ (1,996.00)	99.94%	\$ 4,188,094.00	\$ 4,238,885.00	\$ (50,791.00)	98.8%
3006 - Warren Act	546,937.07	539,521.00	7,416.07	101.38%	0.00				546,937.07	539,521.00	7,416.07	101.38%
3009 - EPFP Loan (Qtrly Assessments)	0.00				347,587.65				347,587.65	0.00	347,587.65	100.0%
3010 - Interest Income	0.00				23,226.65				23,226.65	0.00	23,226.65	100.0%
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	100.0%
3037 - Grant-QC Crossing #5	870,117.62	893,287.00	-23,169.38	97.41%	0.00				870,117.62	893,287.00	-23,169.38	97.41%
3039 - Grant-QC Crossing #9	981,246.00	993,121.00	-11,875.00	98.8%	0.00				981,246.00	993,121.00	-11,875.00	98.8%
3042 - Sycamore Cnyn Slope Stabln Reim	0.00				7,502.00				7,502.00	0.00	7,502.00	100.0%
Total 3000 REVENUE	3,386,016.69	3,462,440.00	-76,423.31	97.79%	3,668,694.30	3,292,374.00	376,320.30	111.43%	7,054,710.99	6,754,814.00	299,896.99	104.44%
Total Revenue	3,386,016.69	3,462,440.00	-76,423.31	97.79%	3,668,694.30	\$ 3,292,374.00	376,320.30	111.43%	7,054,710.99	6,754,814.00	299,896.99	104.44%
Gross Profit	3,386,016.69	3,462,440.00	-76,423.31	97.79%	3,668,694.30	3,292,374.00	376,320.30	111.43%	7,054,710.99	6,754,814.00	299,896.99	104.44%
Expense												
3100 - LABOR - OPERATIONS	0.00				614,599.33	813,247.00	-198,647.67	75.57%	614,599.33	813,247.00	-198,647.67	75.57%
3200 VEH & EQUIPMENT												
3201 - Vehicle/Equip Mtce	0.00				27,364.79	30,000.00	-2,635.21	91.22%	27,364.79	30,000.00	-2,635.21	91.22%
3202 - Fixed Capital	0.00				0.00	30,000.00	-30,000.00	0.0%	0.00	30,000.00	-30,000.00	0.0%
3203 - Equipment Rental	0.00				3,114.30	5,000.00	-1,885.70	62.29%	3,114.30	5,000.00	-1,885.70	62.29%
3204 - Miscellaneous	0.00				885.59	5,000.00	-4,114.41	17.71%	885.59	5,000.00	-4,114.41	17.71%
Total 3200 VEH & EQUIPMENT	0.00				31,364.68	70,000.00	-38,635.32	44.81%	31,364.68	70,000.00	-38,635.32	44.81%
3300 - CONTRACT LABOR												
3301 - Conduit, Meter, Valve & Misc	0.00				8,935.59	20,000.00	-11,064.41	44.68%	8,935.59	20,000.00	-11,064.41	44.68%
3302 - Buildings & Roads	0.00				6,080.44	20,000.00	-13,919.56	30.4%	6,080.44	20,000.00	-13,919.56	30.4%
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				15,016.03	95,000.00	-79,983.97	15.81%	15,016.03	95,000.00	-79,983.97	15.81%
3400 - MATERIALS & SUPPLIES												
3401 - Conduit, Meter, Valve & Misc	0.00				18,079.81	65,000.00	-46,920.19	27.82%	18,079.81	65,000.00	-46,920.19	27.82%
3402 - Buildings & Roads	0.00				1,376.82	8,000.00	-6,623.18	17.21%	1,376.82	8,000.00	-6,623.18	17.21%
3403 - Reservoirs	0.00				988.65	5,000.00	-4,011.35	19.77%	988.65	5,000.00	-4,011.35	19.77%
Total 3400 - MATERIALS & SUPPLIES	0.00				20,445.28	78,000.00	-57,554.72	26.21%	20,445.28	78,000.00	-57,554.72	26.21%
3500 - OTHER EXPENSES												
3501 - Utilities	0.00				5,509.73	7,000.00	-1,490.27	78.71%	5,509.73	7,000.00	-1,490.27	78.71%
3502 - Uniforms	0.00				347.35	5,000.00	-4,652.65	6.95%	347.35	5,000.00	-4,652.65	6.95%
3503 - Communications	0.00				15,488.02	18,500.00	-3,011.98	83.72%	15,488.02	18,500.00	-3,011.98	83.72%
3504 - USA & Other Services	0.00				2,779.38	4,000.00	-1,220.62	69.49%	2,779.38	4,000.00	-1,220.62	69.49%
3505 - Miscellaneous	0.00				8,759.68	8,000.00	759.68	109.5%	8,759.68	8,000.00	759.68	109.5%
3506 - Training	0.00				394.55	3,000.00	-2,605.45	13.15%	394.55	3,000.00	-2,605.45	13.15%
Total 3500 - OTHER EXPENSES	0.00				33,278.71	45,500.00	-12,221.29	73.14%	33,278.71	45,500.00	-12,221.29	73.14%
4100 - LABOR - FISHERIES	540,065.68	692,409.00	-152,343.32	78.0%	0.00				540,065.68	692,409.00	-152,343.32	78.0%
4200 - VEHICLES & EQUIP - FISHERIES												
4270 - Vehicle/Equip Mtce	19,425.57	15,000.00	4,425.57	129.5%	0.00				19,425.57	15,000.00	4,425.57	129.5%
4280 - Fixed Capital	0.00	15,000.00	-15,000.00	0.0%	0.00				0.00	15,000.00	-15,000.00	0.0%
4290 - Miscellaneous	166.75	2,500.00	-2,333.25	6.67%	0.00				166.75	2,500.00	-2,333.25	6.67%
Total 4200 - VEHICLES & EQUIP - FISHERIES	19,592.32	32,500.00	-12,907.68	60.28%	0.00				19,592.32	32,500.00	-12,907.68	60.28%

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

	Fisheries				Operations				TOTAL			
	Jul '18 - Apr 19	Budget	\$ Over/(Under)		Jul '18 - Apr 19	Budget	\$ Over/(Under)		Jul '18 - Apr 19	Budget	\$ Over/(Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
4222 · Fish Projects Maintenance	9,575.94	25,000.00	-15,424.06	38.3%	0.00				9,575.94	25,000.00	-15,424.06	38.3%
Total 4220 · CONTRACT LABOR - FISHERIES	9,575.94	28,000.00	-18,424.06	34.2%	0.00				9,575.94	28,000.00	-18,424.06	34.2%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	7,515.28	7,000.00	515.28	107.36%	0.00				7,515.28	7,000.00	515.28	107.36%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	7,515.28	7,000.00	515.28	107.36%	0.00				7,515.28	7,000.00	515.28	107.36%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	272.36	3,500.00	-3,227.64	7.78%	0.00				272.36	3,500.00	-3,227.64	7.78%
Total 4500 · OTHER EXPENSES - FISHERIES	272.36	3,500.00	-3,227.64	7.78%	0.00				272.36	3,500.00	-3,227.64	7.78%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees	0.00				5,747.30	12,000.00	-6,252.70	47.89%	5,747.30	12,000.00	-6,252.70	47.89%
5001 · Director Mileage	0.00				362.40	1,000.00	-637.60	36.24%	362.40	1,000.00	-637.60	36.24%
5100 · Legal	0.00				70,660.39	75,000.00	-4,339.61	94.21%	70,660.39	75,000.00	-4,339.61	94.21%
5101 · Audit	0.00				13,985.68	22,750.00	-8,764.32	61.48%	13,985.68	22,750.00	-8,764.32	61.48%
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				22,262.35	50,551.00	-28,288.65	44.04%	22,262.35	50,551.00	-28,288.65	44.04%
5310 · Postage/Office Exp	0.00				4,951.37	5,000.00	-48.63	99.03%	4,951.37	5,000.00	-48.63	99.03%
5311 · Office Equip/Leases	0.00				7,518.60	9,200.00	-1,681.40	81.72%	7,518.60	9,200.00	-1,681.40	81.72%
5312 · Misc Admin Expenses	0.00				12,297.34	11,500.00	797.34	106.93%	12,297.34	11,500.00	797.34	106.93%
5313 · Communications	0.00				6,860.76	8,500.00	-1,639.24	80.72%	6,860.76	8,500.00	-1,639.24	80.72%
5314 · Utilities	0.00				6,902.95	9,737.00	-2,834.05	70.89%	6,902.95	9,737.00	-2,834.05	70.89%
5315 · Membership Dues	0.00				9,772.65	9,345.00	427.65	104.58%	9,772.65	9,345.00	427.65	104.58%
5316 · Admin Fixed Assets	0.00				10,871.87	3,000.00	7,871.87	362.4%	10,871.87	3,000.00	7,871.87	362.4%
5318 · Computer Consultant	0.00				13,274.65	15,000.00	-1,725.35	88.5%	13,274.65	15,000.00	-1,725.35	88.5%
5325 · Emp Training/Subscriptions	0.00				595.04	2,000.00	-1,404.96	29.75%	595.04	2,000.00	-1,404.96	29.75%
5330 · Admin Travel/Conferences	0.00				16.30	2,000.00	-1,983.70	0.82%	16.30	2,000.00	-1,983.70	0.82%
5331 · Public Information	0.00				664.27	3,500.00	-2,835.73	18.98%	664.27	3,500.00	-2,835.73	18.98%
5317 · Admin Contract Labor	0.00				23,614.72	47,680.00	-24,065.28	49.53%	23,614.72	47,680.00	-24,065.28	49.53%
Total 4999 · GENERAL & ADMINISTRATIVE	0.00				210,358.64	292,763.00	-82,404.36	71.85%	210,358.64	292,763.00	-82,404.36	71.85%
5299 · ADMIN LABOR	0.00				447,959.15	549,881.00	-101,921.85	81.47%	447,959.15	549,881.00	-101,921.85	81.47%
5400 · GENERAL & ADMIN - FISHERIES												
5407 · Legal - FD	1,265.00	20,000.00	-18,735.00	6.33%	0.00				1,265.00	20,000.00	-18,735.00	6.33%
5410 · Postage / Office Supplies	2,485.13	4,000.00	-1,514.87	62.13%	0.00				2,485.13	4,000.00	-1,514.87	62.13%
5411 · Office Equipment / Leases	4,048.44	5,418.00	-1,369.56	74.72%	0.00				4,048.44	5,418.00	-1,369.56	74.72%
5412 · Misc. Admin Expense	5,351.32	7,500.00	-2,148.68	71.35%	0.00				5,351.32	7,500.00	-2,148.68	71.35%
5413 · Communications	4,221.48	5,805.00	-1,583.52	72.72%	0.00				4,221.48	5,805.00	-1,583.52	72.72%
5414 · Utilities	3,717.01	5,243.00	-1,525.99	70.9%	0.00				3,717.01	5,243.00	-1,525.99	70.9%
5415 · Membership Dues	4,921.35	5,955.00	-1,033.65	82.64%	0.00				4,921.35	5,955.00	-1,033.65	82.64%
5416 · Admin Fixed Assets	5,854.08	3,000.00	2,854.08	195.14%	0.00				5,854.08	3,000.00	2,854.08	195.14%
5417 · Admin Contract Labor	12,715.65	23,110.08	-10,394.43	55.02%	0.00				12,715.65	23,110.08	-10,394.43	55.02%
5418 · Computer Consultant	7,147.83	7,000.00	147.83	102.11%	0.00				7,147.83	7,000.00	147.83	102.11%
5425 · Employee Education/Subscription	2,425.40	2,500.00	-74.60	97.02%	0.00				2,425.40	2,500.00	-74.60	97.02%
5426 · Director Fees	3,094.70	6,500.00	-3,405.30	47.61%	0.00				3,094.70	6,500.00	-3,405.30	47.61%
5427 · Director Mileage	195.14	500.00	-304.86	39.03%	0.00				195.14	500.00	-304.86	39.03%
5430 · Travel	1,248.82	2,500.00	-1,251.18	49.95%	0.00				1,248.82	2,500.00	-1,251.18	49.95%
5431 · Public Information	1,357.69	1,500.00	-142.31	90.51%	0.00				1,357.69	1,500.00	-142.31	90.51%

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

	Fisheries				Operations				TOTAL			
	Jul '18 - Apr 19	Budget	\$ Over/(Under)		Jul '18 - Apr 19	Budget	\$ Over/(Under)		Jul '18 - Apr 19	Budget	\$ Over/(Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
5441 · Audit	7,153.82	12,250.00	-5,096.18	58.4%	0.00				7,153.82	12,250.00	-5,096.18	58.4%
5443 · Liab & Property Ins	11,987.42	24,745.00	-12,757.58	48.44%	0.00				11,987.42	24,745.00	-12,757.58	48.44%
Total 5400 · GENERAL & ADMIN - FISHERIES	79,190.28	137,526.08	-58,335.80	57.58%	0.00				79,190.28	137,526.08	-58,335.80	57.58%
5499 · ADMIN LABOR-FISHERIES	164,233.49	211,508.92	-47,275.43	77.65%	0.00				164,233.49	211,508.92	-47,275.43	77.65%
5510 · Integrated Reg. Water Mgt Plan	0.00				5,114.93	5,000.00	114.93	102.3%	5,114.93	5,000.00	114.93	102.3%
6000 · SPECIAL PROJECTS												
6062 · SCADA	0.00				888.03	20,000.00	-19,111.97	4.44%	888.03	20,000.00	-19,111.97	4.44%
6090 · COMB Office Building	0.00				0.00	200,000.00	-200,000.00	0.0%	0.00	200,000.00	-200,000.00	0.0%
6096 · SCC Structure Rehabilitation	0.00				517,235.58	484,400.00	32,835.58	106.78%	517,235.58	484,400.00	32,835.58	106.78%
6096-2 · SCC Str Rehab Thomas DebrisFlow	0.00				15,690.82				15,690.82	0.00	15,690.82	100.0%
6097 · GIS and Mapping	0.00				5,658.44	10,000.00	-4,341.56	56.58%	5,658.44	10,000.00	-4,341.56	56.58%
6105 · ROW Management Program	0.00				10,193.36	20,000.00	-9,806.64	50.97%	10,193.36	20,000.00	-9,806.64	50.97%
6118 · Repair Lateral 3 Structure	0.00				88,384.50	100,000.00	-11,615.50	88.39%	88,384.50	100,000.00	-11,615.50	88.39%
6120 · Emergency Pumping Fac Project	0.00				71,556.17	230,000.00	-158,443.83	31.11%	71,556.17	230,000.00	-158,443.83	31.11%
6122 · Rehab San Antonio Crk Blow-off	0.00				73,296.26	60,000.00	13,296.26	122.16%	73,296.26	60,000.00	13,296.26	122.16%
6132 · Sycamore Canyon Slope Stabiliz	0.00				42,834.17	500,000.00	-457,165.83	8.57%	42,834.17	500,000.00	-457,165.83	8.57%
6132-1 · SycCynSlopeStab-CO Funds FY2017	0.00				0.00	-500,000.00	500,000.00	0.0%	0.00	-500,000.00	500,000.00	0.0%
6136 · SCC Isolation Valve Evaluation	0.00				0.00	25,000.00	-25,000.00	0.0%	0.00	25,000.00	-25,000.00	0.0%
6137 · SCC Lower Reach Lateral Structu	0.00				0.00	50,000.00	-50,000.00	0.0%	0.00	50,000.00	-50,000.00	0.0%
6138 · Cachuma Watershed Mgmt Study ⁽¹⁾	0.00				109,098.00	143,583.00	-34,485.00	75.98%	109,098.00	143,583.00	-34,485.00	75.98%
Total 6000 · SPECIAL PROJECTS	0.00				934,835.33	1,342,983.00	-408,147.67	69.61%	934,835.33	1,342,983.00	-408,147.67	69.61%
6200 · FISHERIES ACTIVITIES												
6201 · FMP Implementation	10,056.79	45,000.00	-34,943.21	22.35%	0.00				10,056.79	45,000.00	-34,943.21	22.35%
6202 · GIS and Mapping	3,826.44	10,000.00	-6,173.56	38.26%	0.00				3,826.44	10,000.00	-6,173.56	38.26%
6203 · Grants Technical Support	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6204 · SYR Hydrology Technical Support	0.00	6,000.00	-6,000.00	0.0%	0.00				0.00	6,000.00	-6,000.00	0.0%
6205 · USGS Stream Gauge Program	79,775.68	100,000.00	-20,224.32	79.78%	0.00				79,775.68	100,000.00	-20,224.32	79.78%
6206 · Tri County Fish Team Funding	5,000.00	5,000.00	0.00	100.0%	0.00				5,000.00	5,000.00	0.00	100.0%
6207 · Oak Tree Restoration Program	15,804.61	40,000.00	-24,195.39	39.51%	0.00				15,804.61	40,000.00	-24,195.39	39.51%
Total 6200 · FISHERIES ACTIVITIES	114,463.52	216,000.00	-101,536.48	52.99%	0.00				114,463.52	216,000.00	-101,536.48	52.99%
6300 · HABITAT ENHANCEMENT												
6303 · Tributary Projects Support	18,262.30	20,000.00	-1,737.70	91.31%	0.00				18,262.30	20,000.00	-1,737.70	91.31%
6315 · Quiota Creek Crossing 8	6,655.82	30,000.00	-23,344.18	22.19%	0.00				6,655.82	30,000.00	-23,344.18	22.19%
6316 · Quiota Creek Crossing 5	942,307.19	960,000.00	-17,692.81	98.16%	0.00				942,307.19	960,000.00	-17,692.81	98.16%
6317 · Salsipuedes Fish Ladder Repair	0.00	8,000.00	-8,000.00	0.0%	0.00				0.00	8,000.00	-8,000.00	0.0%
6318 · Quiota Creek Crossing 9	1,102,610.21	1,115,996.00	-13,385.79	98.8%	0.00				1,102,610.21	1,115,996.00	-13,385.79	98.8%
Total 6300 · HABITAT ENHANCEMENT	2,069,835.52	2,133,996.00	-64,160.48	96.99%	0.00				2,069,835.52	2,133,996.00	-64,160.48	96.99%
7007 · INTEREST EXPENSE-EPFP	0.00				37,537.93				37,537.93	0.00	37,537.93	100.0%
Total Expense	3,004,744.39	3,462,440.00	-457,695.61	86.78%	2,350,510.01	3,292,374.00	-941,863.99	71.39%	5,355,254.40	6,754,814.00	-1,399,559.60	79.28%
Net Surplus/(Deficit)	\$ 381,272.30	\$ 0.00	\$ 381,272.30	100.0%	\$ 1,318,184.29	\$ 0.00	\$ 1,318,184.29	100.0%	\$ 1,699,456.59	\$ 0.00	\$ 1,699,456.59	100.0%

Footnote/Disclosure:

⁽¹⁾ The budget for the Cachuma Watershed Management Study was adjusted to reflect Phase I costs only (\$143,583). The second phase of the project will commence in fiscal year 2019-20 for a cost of \$275,085.

THIS PAGE INTENTIONALLY LEFT BLANK

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	May 20, 2019
Submitted by:	Janet Gingras

SUBJECT: Investment Report – April 30, 2019

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation and Maintenance Board Investment Report as of April 30, 2019.

DISCUSSION

Cash and investment programs are maintained in accordance with California Government Code Section 53600 et seq. and COMB's adopted investment policy. These policies ensure proper control and safeguards are maintained throughout the financial transaction process. Pursuant to State law, the COMB Board adopts a detailed investment policy through a Board resolution on an annual basis.

Reports on COMB's investment portfolio and cash position are developed and presented to the COMB Board on a monthly basis, in conformity with the California Government Code.

Unrestricted Cash

Unrestricted cash exceeding current operating needs is invested in LAIF to generate interest income. The average monthly effective yield rate, as of April 2019, is reported at 2.445%.

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

TABLE 1			
Unrestricted Reserve Funds		Date	Principal
Local Agency Investment Fund (LAIF)			
Previous Balance		03/31/2019	\$ 883,070.07
(+) Deposits/Credits		04/15/2019	3,930.80
(-) Checks/Withdrawals			
Statement Balance		04/30/2019	\$ 887,000.87

Restricted Cash

The Cachuma Project Warren Act Trust Fund (Trust Fund) and Cachuma Project Master Contract Renewal Fund (Renewal Fund) are two separate funds that have been established through contracts with the U.S. Bureau of Reclamation (Reclamation). The Trust Fund and the Renewal Fund require annual and five-year plans which are used to inform the Funds Committee in making decisions on expenditures for betterment of the Cachuma Project.

See Table 2 below for a summary of balances held in restricted accounts.

TABLE 2			
Restricted Reserve Funds		Date	Principal
American Riviera Bank Renewal Account			
Previous Balance		03/31/2019	\$ 10,215.61
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance		04/30/2019	\$ 10,215.61
American Riviera Bank Warren Acct Trust Fund			
Previous Balance		03/31/2019	\$ 651,421.65
(+) Deposits/Credits		04/08/2019	62,780.00
(-) Checks/Withdrawals			
Statement Balance		04/30/2019	\$ 714,201.65

STATEMENT

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



Secretary

Cachuma Operation & Maintenance Board

Paid Claims

As of April 30, 2019

Date	Num	Name	Memo	Amount
1050 - General Fund				
04/05/2019	26755	A+ Refrigeration	Annual Air Conditioner Maintenance	-425.00
04/05/2019	26756	Association of Ca Water Agencies/JPIA	May Health Benefits Coverage	-34,477.68
04/05/2019	26757	Boyd & Associates	Alarm Monitoring & Maintenance	-207.50
			US Fish & Wildlife Training (Fish), Persona Protective Equip (Fish), GFOA CAFR Fee, AWWA	
04/05/2019	26758	Business Card	Membership (Admin)	-5,035.29
04/05/2019	26759	C. Philip Brittain	Install Electrical - Intake Tower Wash Water Pump (Ops)	-497.08
04/05/2019	26760	Charles T. Plough, III	Director Meeting Fees March 2019	-161.60
04/05/2019	26761	City of Santa-Barbara	Trash / Recycling 2/28/19-3/28/19	-249.88
04/05/2019	26762	ECHO Communications	Message Service March 2019	-71.40
04/05/2019	26763	Frontier Communications	Phone Service - Ortega Reservoir	-59.89
04/05/2019	26764	Frontier Communications	Phone Service - North Portal	-59.95
04/05/2019	26765	Frontier Communications	Phone Service - Carpinteria	-59.89
04/05/2019	26766	Frontier Communications	Phone Service - Main	-435.98
04/05/2019	26767	Harrison Hardware	Supplies (Fish)	-89.78
04/05/2019	26768	Kristen Sneddon	Director Meeting Fees March 2019	-309.62
04/05/2019	26769	Lauren W. Hanson	Director Meeting Fees March 2019	-155.80
04/05/2019	26770	Manzanita Nursery	Oak Tree Supplies (Fish)	-51.72
04/05/2019	26771	Musick, Peeler & Garrett LLP	General Counsel - February	-3,841.00
04/05/2019	26772	Nestle Pure Life Direct	Operations - Safety	-69.30
04/05/2019	26773	Pacific Coast Jiffy Lube	2008 Ford Explorer - Routine Maintenance (Ops)	-79.45
04/05/2019	26774	Paychex, Inc. (Payroll)	Payroll & Payroll Tax Services 3/6/19 & 3/22/19	-369.50
04/05/2019	26775	PG&E	Electricity - Tecolote Tunnel & North Portal	-359.98
04/05/2019	26776	Polly Holcombe	Director Meeting Fees March 2019	-288.82
04/05/2019	26777	Powell Garage	2006 Chevy Colorado 4x4 - Routine Maintenance (Fish)	-127.79
04/05/2019	26778	SB Home Improvement Center	Supplies (Ops)	-110.88
04/05/2019	26779	Southern California Edison	Electricity - Main & Outlying Stations	-1,134.72
04/05/2019	26780	Turenchalk Network Services, Inc.	Network & Software Support	-3,579.68
04/05/2019	26781	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee (Ops)	-127.15
04/05/2019	26782	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 3051ci	-134.85
04/05/2019	26783	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6052ci	-276.23
04/05/2019	26784	Wright Express Fleet Services	Fleet Fuel March 2019	-3,812.87
04/17/2019	26785	Aqua-Flo Supply	Herbicide Spray Rig (Ops)	-31.03
04/17/2019	26786	AT&T	Long Distance Charges 2/28/19-3/27/19	-668.78
04/17/2019	26787	Coastal Copy, LP	Copier Maintenance Agreement February 2019 Taskalfas 3051ci & 6052ci	-540.59
04/17/2019	26788	Cox Communications Santa Barbara	Business Internet April	-140.00
04/17/2019	26789	Filippin Engineering, Inc.	Quota Creek Crossing 9 - Construction Services	-281.82
04/17/2019	26790	Frontier Communications	Phone Service - SCADA	-571.05
04/17/2019	26791	HDR Engineering, Inc.	BO/FMP Implementation & Technical Support, Habitat Improvement Support (Fish)	-13,674.58
04/17/2019	26792	Home Depot Credit Services	Supplies (Ops)	-173.16
04/17/2019	26793	J&C Services	Office Cleaning Service - Weekly 3/15/19-4/5/19	-600.00
04/17/2019	26794	MarBorg Industries	Portable Facilities - Outlying Stations	-358.49
04/17/2019	26795	Nutrien Ag Solutions, Inc.	Supplies - Rodent Abatement (Ops)	-184.52
04/17/2019	26796	SAS Institute, Inc.	GIS & Mapping - JMP Software Renewal (Fish)	-893.00
04/17/2019	26797	Southern California Edison	Electricity - Outlying Stations	-32.56
04/17/2019	26798	Staples Credit Plan	Supplies (Ops & Fish)	-534.54
04/17/2019	26799	Verizon Wireless	Wireless Service - Operations Cell Phones, Wireless Modems, SCADA USBs	-739.63
04/25/2019	26800	Daniel Silva	Final Pay - Wages through 4/25/19	-902.80
04/25/2019	26801	Daniel Silva	Final Pay - Accrued Vacation through 4/25/19	-752.22
04/25/2019	ACH042519A	American Riviera Bank (ARB)	EPFP Loan Payment 1 of 2	-28,123.75
04/25/2019	ACH042519B	American Riviera Bank (ARB)	EPFP Loan Payment 2 of 2	-10,354.21
04/26/2019	26802	Daniel Silva	Final Pay - Additional Wages through 4/25/19	-34.92
04/30/2019	26803	ACWA-Joint Powers Insurance Authority	Worker Compensation Program 1/1/19-3/31/19	-8,054.98
04/30/2019	26804	Business Card	Website Hosting, Supplies, Education (Ops & Fish)	-1,418.36
04/30/2019	26805	Central Coast Salmon Enhancement, Inc.	MOU Identified Support FY 2018-19	-5,000.00
04/30/2019	26806	Cushman Contracting Corp.	Emergency Pumping System - Pay Req #60 Phase II	-7,000.00
04/30/2019	26807	Federal Express	Shipping (Ops & Fish)	-85.48
04/30/2019	26808	Flowers & Associates, Inc.	Sycamore Canyon Slope Stabilization - Engineering Services	-12,463.26
04/30/2019	26809	Giffin Rental & Western Welding	Ortega Reservoir Tree Removal	-340.87
04/30/2019	26810	HDR Engineering, Inc.	SCC Structure Rehab Engineering Design - COMB Project 2014-C-62, 2013-1-42, 2012-1-26	-2,494.45
04/30/2019	26811	Ian's Tire & Auto Repair	2015 Chevy Silverado 1500 - Routine Maintenance & New Tires (Ops)	-883.70
04/30/2019	26812	Ian's Tire & Auto Repair	2007 Chevy Silverado 3500 - Routine Maintenance & New Tires (Ops)	-709.12
04/30/2019	26813	Nutrien Ag Solutions, Inc.	Tools (Ops)	-84.02
04/30/2019	26814	Otis Elevator Company	North Portal Elevator Maintenance Agreement - Service 4/1/19-9/30/19	-2,902.72
04/30/2019	26815	PG&E	Electricity - Tecolote Tunnel & North Portal	-311.17
04/30/2019	26816	Powell Garage	2012 Chevy Silverado 2500 - Major Service Maintenance & Repairs (Fish)	-1,106.82
04/30/2019	26817	Prober Land Surveying	ROW Identification Program - San Jose Creek Survey	-4,777.50
04/30/2019	26818	The Gas Company	Gas - Main Office	-31.88
04/30/2019	26819	Tri-Co Reprographics	Lake Cachuma Water Quality & Sediment Study - Scan of Schematic	-9.14
04/30/2019	26820	Turenchalk Network Services, Inc.	Redundant ESX Network Server - HP Proliant DL 380	-13,743.00

Cachuma Operation & Maintenance Board

Paid Claims

As of April 30, 2019

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
04/30/2019	26821	United States Geological Survey	USGS Quarterly Stream Gauge Agreement 2/1/19-4/30/19 (Fish)	-24,387.50
04/30/2019	26822	Winema Industrial & Safety Supply	First Aid Supplies & Inspection	-38.01
04/30/2019	26823	Woodard & Curran	Lake Cachuma Water Quality & Sediment Study - Professional Services	-56,672.79
Total 1050 - General Fund				-258,766.70
TOTAL				<u>-258,766.70</u>

APPROVED FOR PAYMENT

_____ Director

_____ Director

_____ Director

CACHUMA OPERATION & MAINTENANCE BOARD

Fisheries Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Friday, May 10, 2019
10:00 AM

AGENDA

Chair: Director Hanson
Member: Director Hayman

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. Quiota Creek Crossing No. 8 Fish Passage Improvement Project (*for information and possible recommendation*)
4. Annual Monitoring Reports (AMR) / Annual Monitoring Summary (AMS) Updates (*for information*)
5. Update on Recent Fisheries Division Activities (*for information*)
6. Adjournment

NOTICE TO THE PUBLIC

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

Americans with Disabilities Act: In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Cachuma Operation & Maintenance Board (COMB) at 569-1391 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

Monday, May 13, 2019
Time 10:00 a.m.

AGENDA

Chair: Director Sneddon
Member: Director Holcombe

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. Engineer / Operations Division Projects (*for information and possible recommendation*)
 - a. Sycamore Canyon Slope Stabilization Project
 - b. South Coast Conduit San Jose Creek Protection Measures Project - Engineering
 - c. North Portal Access Road Repair Project - Erosion Control
4. Adoption of COMB Hazard Mitigation Plan Annex to the Santa Barbara County Hazard Mitigation Plan (*for information and possible recommendation*)
5. Construction Projects within USBR Right-of-Way (*for information*)
6. Adjournment

NOTICE TO THE PUBLIC

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

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

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

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	May 20, 2019
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: **Financial Review – 3rd Quarter Fiscal Year 2018-19**

RECOMMENDATION:

The Board of Directors receive and file the 3rd Quarter Fiscal Year 2018-19 Financial Review and exhibit.

DISCUSSION:

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

FISCAL ANALYSIS:

Revenues Assessed and Collected

- COMB assessed and collected \$933K in quarterly O&M Budget Assessments for the period January – March 2019. The quarterly assessments reflect a credit adjustment in the amount of \$169K due to the negotiation of the budgeted Water Quality and Sediment Management Plan Study to occur over two fiscal years. The second phase of the project will commence in fiscal year 2018-19 for a cost of \$275,085. Additionally, pursuant to the Separation Agreement, starting in Fiscal Year 2017-18 and going forward, certain actual expenditures incurred by COMB will be collected from Santa Ynez River Conservation District, ID No. 1 (a non-member agency) through an invoice issued quarterly by COMB. COMB is currently pursuing collection of unpaid amounts from ID No. 1 for fiscal year 2017-18 and the first and second quarters of fiscal year 2018-19.
- COMB collected in \$1.85M in grant funds from the California Department of Fish and Wildlife (CDFW) for Quiota Creek Crossing No. 5 and 9 projects.
- COMB collected \$364.5k from the Warren Act Trust Fund for Fisheries and Oak Tree Program related expenses incurred for the period October – March 2019.
- COMB assessed \$115.8K in quarterly EPFP Loan Assessments related to loan repayments made on behalf of Goleta Water District and Montecito Water District pertaining to the Emergency Pumping Facility for the period January – March 2019. Payments are due by the end of April.
- COMB collected \$9.4k in interest income for funds held with LAIF.

Expenditures To Date (% of Budget Apportioned thru December – 6 months or 75%)

General and Administrative (Combined)

- General and Administrative Expenses include costs for support of all administrative functions of COMB such as: Director fees, legal expenditures, general liability and property insurance, audit fees, utilities, IT and communications, postage and office supplies, training, education and subscriptions and miscellaneous expenses. Costs are generally allocated between Operations and Maintenance (65%) and Fisheries Division (35%). General and Administrative expenses of \$283.1K (65.0%) are within the apportioned budget.
- General and Administrative Labor includes salaries, employer taxes, health insurance and retirement benefit costs for the COMB General Manager and Administrative staff. General and Administrative Labor expense of \$550.1K (72.3%) are within the apportioned budget.
- **The total combined General and Administrative expenses and labor of \$833.2K (69.6%) thru March are within the apportioned budget.**

Operations Division

- Operation and Maintenance Labor includes salaries, employer taxes, health insurance and retirement benefit costs. Personnel costs of \$542.7K (66.7%) are lower than the apportioned budget due to staff vacancies that occurred during the fiscal year.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Year to date actual costs of \$26.5K (37.8%) are within the apportioned budget.
- Contract Labor contains funds for outside services and labor that cannot be supported by COMB staff which may include elevator maintenance or repair, tree trimming and removal services, heavy equipment and operators' labor costs for various small projects including meter calibration and meter repair. Projects and staff assignments are reviewed by the General Manager and Operations Division Manager to control costs in this category. Actual costs of \$10.3K (10.8%) are within the apportioned budget.
- Materials and Supplies covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. Actual costs of \$20K (25.7%) are within the apportioned budget.
- Other Expenses includes utilities, uniforms, hazardous waste disposal, communications (phones at facilities, and cell phones for operations and maintenance), Underground Service Alerts, and employee training and certifications. Actual costs of \$30K (66%) are within the apportioned budget.
- Special Projects - Board policy requires that all infrastructure improvement projects are to be approved thru Committee and by the Board prior to commencement. Actual costs thru March were \$848.9K. This amount is attributed to the following projects: South Coast Conduit Structure Rehabilitation Project/Thomas Debris Flow (\$530.4K), Lateral 3 Structure Repair (\$88.4K), San Antonio Creek Blow Off Repair (\$73.3K), Water Quality and Sediment Management Study (\$52.4K), Sycamore Canyon Slope Stabilization (\$30.4K) and the storage of key components of the pumping barge (\$64.5K). The timing and ranking of projects are dependent on factors such as: (1) water supply reliability, (2) risk, (3) critical need/life cycle of asset, (4) safety, and (5) service disruption necessary to accomplish project.
- **The total Operations Division expenses of \$2.2M (64.4%) thru March are within the apportioned budget.**

Fisheries Division

- Fisheries Division Labor includes salaries, employer taxes, health insurance and retirement benefit costs for the Fisheries Division Manager, two Senior Field Biologists, a Biologist Aide position, and four part-time seasonal positions. Personnel costs of \$487.6K (70.4%) are within the apportioned budget.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Year to date actual costs of \$15.1K (46.4%) are within the apportioned budget.
- Contract Labor contains funds for outside services/labor to support equipment calibration on flow meters, and funds for technical assistance corresponding to the operation, maintenance and performance review of completed fish passage projects. Actual costs of \$9.6K are within the apportioned budget
- Materials and Supplies includes costs for the purchase of items needed for the Fisheries Monitoring Program specifically for migration, spawning and over-summering; constructing and repairing fish migration traps and the equipment necessary to conduct snorkel and redds surveys. Actual costs of \$7K (100.9%) are higher than the apportioned budget. Notable expenses include the battery replacement for six Dissolved Oxygen Loggers (\$920), and various other monitoring supplies (<\$500 per item)
- Other Expenses include funds to pay for uniforms and gear for the fisheries division employees. No notable costs have been incurred in this category thru September.
- Fisheries Division Activities includes funding for special activities related to ongoing Cachuma Project Biological Opinion (BO) compliance efforts, the implementation of the Lower Santa Ynez River Fisheries Monitoring Program, GIS mapping, grants technical support, USGS Stream Gauge Program and the Oak Tree Restoration Program. Actual costs of \$79.4K (36.8%) are within the apportioned budget.
- Fisheries Habitat Improvement - Board policy requires that all habitat improvement projects are to be approved thru Committee and by the Board prior to commencement. Costs of \$2M thru March include the following fish passage projects: COMB Quiota Creek Crossing 5 (\$931K) and Quiota Creek Crossing 9 (\$1.1M). Offsetting grants funds of \$1.85M were collected in February.
- **The total Fisheries Division expenses of \$2.9M (83.4%) thru March are higher than the apportioned budget due to the timing of construction related to the two fish passage improvement projects referenced in the preceding paragraph entitled Fisheries Habitat Improvement.**

Restricted Funds and Obligations

- **Warren Act Trust Fund (Restricted Fund)** - The Warren Act Trust Fund is a requirement of the Cachuma Project Warren Act Contract negotiated between the Central Coast Water Authority (CCWA) and the Bureau of Reclamation for delivery and transport of State Water Project (SWP) water through the Cachuma Project facilities. A 1995 memorandum of understanding executed in conjunction with the Warren Act Contract established a charge of \$43 per acre foot (AF) (\$58 initially with a \$15 service charge by Reclamation), which is not indexed. Payments are required upon delivery of SWP water to Cachuma Reservoir. CCWA makes quarterly payments to COMB based on the prior quarter's water deliveries to the lake.

The balance in the restricted is comprised of funds collected for calendar year 2017 SWP deliveries of \$539K. These funds were reviewed by the Cachuma Project Warren Act Trust Funds Advisory Committee at their meeting in May 2018 and appropriated towards

eligible FY 2018-19 fisheries activities. To date, COMB has applied \$546.9K from the Warren Act Trust Fund for Fisheries and Oak Tree Program related expenses incurred for the period July 2018 – March 2019.

COMB has collected an additional \$591K of Warren Act Trust Fund payments from CCWA for SWP deliveries that occurred in calendar year 2018. These funds will be reviewed by the committee in May 2019 for use in FY 2019-20.

- **Renewal Funds (Restricted Fund)** - The Renewal Fund is a requirement of the 1995 Renewal Master Contract (executed in 1996) entered into for water conveyance from the Cachuma Project to the five Cachuma Project Member Units, which are the City of Santa Barbara, the Goleta Water District, the Montecito Water District, the Carpinteria Valley Water District, and the Santa Ynez River Water Conservation District, Improvement District No. 1 (ID No. 1).

The Renewal Master Contract requires the payment of \$10 per acre foot of water made available by the Cachuma Project. The Renewal Fund itself is capped at \$257,100, which is related to the current annual operational yield of 25,714 AF. The aggregate amount to be deposited in the Renewal Fund at the start of each Water year by the Cachuma Member Units is not to exceed an amount which bears a ratio to \$257,100, which is inverse to the ratio which the aggregate amount paid into the Warrant Act Trust Fund during the immediately preceding Calendar Year bears to \$300,000.

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

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

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

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

The financing arrangement was converted to a sixty (60) month repayment loan as of July 25, 2016. Carpinteria Valley Water District opted to pay off their obligation in-full on or about the conversion date.

COMB assesses the remaining member agencies at the end of each quarter, for the monthly loan payments made on their behalf during that period. As of December 31, 2018, the total combined principal outstanding for the EPFP loan obligation is approximately \$1.03M.

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

The fifteen percent obligation under the Bradbury SOD contract is \$7,605,739 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY

2018-19 is \$261,647 and assesses the Member in accordance with each Member Agencies' Cachuma Project entitlement percentages.

The fifteen percent obligation under the Lauro SOD contract is \$1,009,737 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2018-19 is \$44,404.66 and assesses the South Coast Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

COMMITTEE STATUS:

The Administrative Committee has reviewed the 3rd Quarter Fiscal Year 2018-19 Financial Review and exhibit and forwards to the Board with a recommendation to receive and file.

LIST OF EXHIBITS:

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

THIS PAGE INTENTIONALLY LEFT BLANK

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

	Fisheries				Operations				TOTAL			
	Jul - Mar 19	Budget	\$ Over / (Under)		Jul - Mar 19	Budget	\$ Over / (Under)		Jul - Mar 19	Budget	\$ Over / (Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
Income												
Revenue	3,083,785.69	3,462,440.00	-378,654.31	89.1%	2,878,565.50	3,292,374.00	-413,808.50	87.4%	5,962,351.19	6,754,814.00	-792,462.81	88.3%
Total Income	3,083,785.69	3,462,440.00	-378,654.31	89.1%	2,878,565.50	3,292,374.00	-413,808.50	87.4%	5,962,351.19	6,754,814.00	-792,462.81	88.3%
Gross Profit	3,083,785.69	3,462,440.00	-378,654.31	89.1%	2,878,565.50	3,292,374.00	-413,808.50	87.4%	5,962,351.19	6,754,814.00	-792,462.81	88.3%
Expense												
General and Admin Expenses	79,685.42	137,526.08	-57,840.66	57.9%	203,389.31	297,763.00	-94,373.69	68.3%	283,074.73	435,289.08	-152,214.35	65.0%
General and Admin Labor	147,096.37	211,508.92	-64,412.55	69.5%	403,011.14	549,881.00	-146,869.86	73.3%	550,107.51	761,389.92	-211,282.41	72.3%
O&M Labor	0.00				542,668.01	813,247.00	-270,578.99	66.7%	542,668.01	813,247.00	-270,578.99	66.7%
O&M Vehicle & Equip	0.00				26,469.17	70,000.00	-43,530.83	37.8%	26,469.17	70,000.00	-43,530.83	37.8%
O&M Contract Labor	0.00				10,250.66	95,000.00	-84,749.34	10.8%	10,250.66	95,000.00	-84,749.34	10.8%
O&M Material and Supplies	0.00				20,016.40	78,000.00	-57,983.60	25.7%	20,016.40	78,000.00	-57,983.60	25.7%
O&M Other Expenses	0.00				30,042.55	45,500.00	-15,457.45	66.0%	30,042.55	45,500.00	-15,457.45	66.0%
O&M Special Projects	0.00				848,855.31	1,342,983.00	-494,127.69	63.2%	848,855.31	1,342,983.00	-494,127.69	63.2%
Fisheries Labor	487,577.52	692,409.00	-204,831.48	70.4%	0.00				487,577.52	692,409.00	-204,831.48	70.4%
Fisheries Vehicle & Equip	15,073.66	32,500.00	-17,426.34	46.4%	0.00				15,073.66	32,500.00	-17,426.34	46.4%
Fisheries Contract Labor	9,575.94	28,000.00	-18,424.06	34.2%	0.00				9,575.94	28,000.00	-18,424.06	34.2%
Fisheries Material and Supplies	7,065.11	7,000.00	65.11	100.9%	0.00				7,065.11	7,000.00	65.11	100.9%
Fisheries Other Expenses	272.36	3,500.00	-3,227.64	7.8%	0.00				272.36	3,500.00	-3,227.64	7.8%
Fisheries Activities	79,392.80	216,000.00	-136,607.20	36.8%	0.00				79,392.80	216,000.00	-136,607.20	36.8%
Fisheries Habitat Enhancement	2,060,652.10	2,133,996.00	-73,343.90	96.6%	0.00				2,060,652.10	2,133,996.00	-73,343.90	96.6%
Other Interest Expense - EPPF	0.00				34,219.65				34,219.65	0.00	34,219.65	100.0%
Total Expense	2,886,391.28	3,462,440.00	-576,048.72	83.4%	2,118,922.20	3,292,374.00	-1,173,451.80	64.4%	5,005,313.48	6,754,814.00	-1,749,500.52	74.1%
Net Income	197,394.41	0.00	197,394.41	100.0%	759,643.30	0.00	759,643.30	100.0%	957,037.71	0.00	957,037.71	100.0%

THIS PAGE INTENTIONALLY LEFT BLANK

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	May 20, 2019
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

SUBJECT: Resolution No. 685 - COMB Fiscal Year 2019-20 Operating Budget

RECOMMENDATION:

The Board of Directors approve Resolution No. 685 adopting the annual COMB Fiscal Year 2019-20 Operating Budget.

SUMMARY:

Presented for Board review and approval is the COMB Fiscal Year (FY) 2019-20 Operating Budget, Budget Summary document, and Budget Allocation worksheet. The budget and accompanying materials have been presented to the Member Agency General Managers and the COMB Administrative Committee for review and comment.

The budget reflects projected operating expenses for the Operations Division, the Fisheries Division as well as the General and Administrative expenses for FY 2019-20. These projected expenditures have been refined through development of the annual work plan and applicable updates to the internal Draft Infrastructure and Habitat Improvement Plans.

The Gross Operating Budget for FY 2019-20 excluding offsetting revenues is \$6.8M as compared to the adopted FY 2018-19 Operating Budget of \$7.3M, which is a decrease of \$488k (6.7%).

The net change from the previous fiscal year is explained by the following items:

- A decrease in the Fisheries Division Habitat Improvement Projects of \$950K (43.6%). In FY 2018-19, COMB completed two fish passage improvement projects on Quiota Creek. One fish improvement project is projected to be completed in FY 2019-20.
- An increase in total Salaries and Benefits of \$171K (7.3%) which includes full staffing of 15 employees, a 2.95% COLA adjustment and a slight increase in the CalPERS obligation.
- An increase in total Operations and Maintenance of \$12K (3.3%) due to a small increase in fixed capital and vehicle fuel cost.
- An increase in General & Administrative Expenses of \$87K (23.9%) which includes anticipated litigation costs.
- An increase in the Operations Division Infrastructure Improvement Projects and Special Projects of \$202k (11.0%) attributable, in part to Phase II of the Water Quality and Sediment Study scheduled to commence in FY 2019-20.

The Net Operating Budget including offsetting revenues for FY 2019-20 is \$4.6M and is compared to the adopted FY 2018-19 of \$4.3M, which is an increase of \$385K (9.1%). The net change from the previous year is attributable to a decrease in projected offsetting revenues. As noted in the previous paragraph,

COMB plans to complete one fish passage improvement project in FY 2019-20. The resulting decrease in corresponding grant revenue from the California Department of Fish and Wildlife Grant Funding is \$876K (46.42%).

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. For FY 2019-20, COMB's projected managed revenues and expenditures total \$10,292,698.

BACKGROUND:

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. 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.

Development of the COMB Operating Budget was based on zero-based budgeting methodology. Unlike traditional incremental budgeting, this methodology employs a detailed examination of expenditures wherein only the necessary budget amount for each line item is presented for discussion. This approach addresses the most fundamental and prioritized service needs and represents the minimum level of funding needed for effective operations.

At the beginning of the annual budget planning cycle, COMB staff prepares estimated budget projections and conducts meetings with the General Managers and technical staff of the Member Agencies. The purpose of these meetings is to receive and incorporate comments into the proposed operating budget prior to submission to the COMB Administrative Committee.

Following review by the Administrative Committee, COMB staff then conducts a budget workshop with the COMB Board, at a public meeting, to review the draft operating budget, the proposed upcoming infrastructure and habitat improvement projects, and any revenue and expenditure assumptions and projections contained therein.

Depending on the quantity or nature of comments received during the budget workshop, the draft budget may be sent back to committee for further consideration or brought back to the Board at its next meeting, as revised, for adoption.

DISCUSSION:

The budget reflects current salaries and benefits package for all employees including the General Manager's position. The budget includes a 2.95% COLA for all employees, excluding the General Manager, per the historical annual calculation which is based on the March Consumer Price Index (CPI) data each year. The calculation 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. March data indicates a 2.95% increase for the COLA calculation during this time period

Operations Division

Operations and Maintenance Expenses

The Operations Division O & M expenses show an 11.43% increase overall. The labor line item increased by 17.08% and is attributed to the increase in COLA, as well as, vacant positions that were filled during fiscal year 2018-19 including a Program Analyst and a Water Service Worker I. Additionally, the CALPERS line item reflects an increase in cost primarily due to an increase in the annual Unfunded Liability obligation as factored under the CALPERS 30-year amortization policy and pursuant to the Public Employee Pension Reform Act of 2013.

The fixed capital line item reflects a \$15k decrease. FY 2018-19 budget included a cost to replace one of the fleet vehicles which was purchased in April 2019.

General and Administrative Expenses

Overall, the Operations Division G & A expenses increased 2.08% percent as compared to the previous year budget. Active and retiree health insurance premiums are expected to increase by 3-8.5% in January 2020 as projected by ACWA/JPIA. The CALPERS line item reflects an increase costs primarily due to an increase in the Unfunded Liability amortization as previously described.

The office equipment / leases and computer consultant line items increased slightly to accommodate current year projected actual expenses.

Under Special G & A expenses, it is anticipated that the administrative costs for IRWMP Proposition 1 grants will remain the same as the prior fiscal year.

Infrastructure Improvement Projects

The Infrastructure Improvement Projects (IIP) section in the Operations Division section of the budget reflects an increase of \$75.8K as compared to the prior year. 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. Board policy requires that all projects are to be approved through Committee and by the Board prior to commencement.

Included for the Fiscal Year 2019-20 budget are the South Coast Conduit (SCC) Air Vacuum Air Release Valve (AVAR) and Blow-Off Valve replacement project, the Sycamore Canyon Slope Stabilization project, the SCC Isolation Valve evaluation, the SCC Lower Reach Lateral Structure project and the SCC San Jose Creek Pipe Stabilization evaluation. Per Board policy, all improvement projects will require approval through the applicable Committee and Board review process prior to implementation.

Special Projects

At the regular Board meeting on April 24, 2017, the Board authorized the General Manager to execute a change order agreement which provided a two-year commitment with Cushman Contracting to store key components of the Emergency Pumping Facility Project (EPFP). The change order agreement also included an approved amount to re-establish a fully-functioning barge if conditions warranted the installation. Included in the budget are funds for the continued leasing of the facility components per the approved change order.

In FY 2018-19, COMB hired a specialized submerged pipeline design consultant to provide a pipe suitability analysis, weight design and deployment analysis, and a pump station connection and ROM opinion of probable construction cost for a secured pipeline. COMB plans to pursue final design for a bottom-mounted pipeline to Site 1 in FY 2019-20. Following Board approval, the project would be installed during the next drought when the appropriate lake level is reached for implementation and construction.

Also in FY 2018-19, a Lake Cachuma water quality and sedimentation plan was approved with the objective of developing management actions as part of a program to address surface water quality due to the recent watershed fires. 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 FY 2019-20 budget includes costs associated with Phase II of the approved project.

Fisheries Division

Operation and Maintenance Expenses

The Fisheries Division Labor Account shows a slight increase compared to the prior fiscal year primarily due to the proposed increase in COLA, as well as, projected staff salary step increases and is offset by a slight reduction in health care costs. Overall, the operation and maintenance expenses show a 4.86% increase as compared to the prior fiscal year budget.

The fixed capital line item reflects a \$20k increase to cover the purchase of a new vehicle for the division in accordance with COMB Vehicle Replacement Matrix.

General and Administrative Expenses

General and administrative expenses reflect costs for support related to the Fisheries Division administrative function. Administrative salaries and associated CalPERS costs also increased slightly as compared to the past fiscal year due to the aforementioned proposed COLA increase and increase associated with the CALPERS Unfunded Liability Amortization. Legal costs include an additional \$80k in anticipated litigation expenses. The postage and office supplies, miscellaneous expenses and membership dues line items increased slightly to accommodate current year projected actual expenses. Overall, the Fisheries Division General and Administrative expenses increased \$89.3K (25.6%).

Program Support Services and Habitat Improvement Plan Projects

Program support services within the Fisheries Division incorporate all monitoring, mapping and reporting tasks required for implementation of the Cachuma Project Biological Opinion (BO) and Lower Santa Ynez River (LSYR) Fisheries Management Plan (FMP). The BO/FMP line item has been decreased by 6.82% due to less reliance on external consultants. The County Betterment Fund offset for this program of work is \$90K.

The Habitat Improvement Projects includes the construction of one fish passage improvement project along Quiota Creek in FY 2019-20. Grant funding has been secured for this project in the amount of \$1,010,700. Per Board policy, all improvement projects will require approval through the applicable Committee and Board review process prior to implementation. COMB completed two similar projects in FY 2018-19. Board policy requires that all projects are to be approved through Committee and by the Board prior to commencement.

Financial Planning

The Government Finance Officers Association recommends that all governmental entities use some form of strategic planning to provide a long-term perspective for service delivery and budgeting.

COMB has developed a comprehensive five-year Infrastructure Improvement Plan and Habitat Improvement Plan which is used as an internal guideline for forecasting, budgeting and long term financial planning. COMB staff has initiated the process of updating the plan for FY 2020-24, which will be submitted through the appropriate Committee, to the Board for consideration.

Grants / Financial Assistance

COMB staff actively pursues outside funding sources for all infrastructure improvement projects. Outside funding sources, such as grants, are used to finance only those improvement projects that are consistent with the Five-Year Infrastructure Improvement Project Plans and COMB priorities, and where operating and maintenance costs have been included in future operating budget forecasts. Board policy requires that all projects are to be approved through Committee and by the Board of Directors prior to commencement.

In 2019, 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 \$1,010,700. Funds will be applied toward the fish passage improvement at Crossing Number 8 on Quiota Creek, a tributary to the lower Santa Ynez River. Construction is scheduled to begin in late summer/fall 2019.

In 2018, the COMB Water Resources Engineer prepared a change in the project scope of work, under the FEMA Project Assistance request for the Sycamore Canyon Slope Stabilization Project, to include hazard mitigation and submitted a Hazard Mitigation Grant Program (HMGP) Sub-application as an alternate funding source. The HMGP sub-application required a Hazard Mitigation Plan (HMP) annex to Santa Barbara County's HMP plan which was prepared and submitted to CalOES and FEMA. FEMA approved the change in scope of work which increased funding from \$50K to \$450K.

In summary, the COMB gross Operating Budget for FY 2019-20 is \$6,766,977. The development of a long term strategic financial plan to support large scale infrastructure improvement projects is underway. In addition, staff research on potential grant funding opportunities continues throughout the fiscal year. With projected offsetting revenues of \$2,142,975, the net FY 2019-20 COMB Budget totals \$4,624,002.

COMMITTEE STATUS:

The Administrative Committee has reviewed and commented on the COMB FY 2019-20 Operating Budget and forwards to the Board with a recommendation to approve.

LIST OF EXHIBITS:

- 1) Resolution No. 685 – COMB Fiscal Year 2019-20 Operating Budget
- 2) FY 2019-20 COMB Operating Budget

THIS PAGE INTENTIONALLY LEFT BLANK

RESOLUTION NO. 685

**RESOLUTION OF THE GOVERNING BOARD OF THE
CACHUMA OPERATION & MAINTENANCE BOARD ADOPTING THE
ANNUAL OPERATING BUDGET FOR FISCAL YEAR ENDING JUNE 30, 2020**

WHEREAS, the Cachuma Operation & Maintenance Board (“COMB”) is a joint powers authority and public entity, organized and existing in the County of Santa Barbara in accordance with Government Code Section 6500 et seq., and operating pursuant to the 1996 Amended and Restated Agreement for the Establishment of a Board of Control to Operate and Maintain the Cachuma Project - Cachuma Operation And Maintenance Board, dated May 23, 1996 (“Amended and Restated Agreement”), as amended by an Amendment to the Amended and Restated Agreement made effective September 16, 2003; and as amended by the Second Amendment to the 1996 Amended and Restated Agreement made effective November 20, 2018 (collectively the “Joint Powers Agreement”); and

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

WHEREAS, COMB operates and maintains Cachuma Project facilities pursuant to a Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation, including the South Coast Conduit (“SCC”) and appurtenances. The SCC is a critical piece of infrastructure that provides for the conveyance of Cachuma Project water and State Project water to 250,000 residents on the South Coast of Santa Barbara County; and

WHEREAS, COMB staff developed the Fiscal Year (FY) 2019-20 Annual Operating 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 April 11, 2019, COMB staff held a meeting with the General Managers of the Member Agencies to review the COMB Draft FY 2019-20 Operating Budget and incorporated comments and suggestions prior to being presented to the Administrative Committee for its review and comments; and

WHEREAS, on April 25, 2019, the COMB Administrative Committee met and reviewed the Draft FY 2019-20 Operating Budget and, after providing comments, forwarded it to the COMB Governing Board with a recommendation to review and approve; and

WHEREAS, on May 9, 2019, the COMB Governing Board conducted a Special Meeting workshop of the Governing Board to review and consider the Draft FY 2019-20 Operating Budget and provided comments and direction to staff; and

WHEREAS, during the Special Meeting on May 9, 2019, the Governing Board was provided an overview of the Draft FY 2019-20 Operating Budget with assurances that it was based on Board priorities, demonstrates fiscal accountability, and ensures future financial sustainability; and

WHEREAS, on May 20, 2019, the COMB Governing Board was presented a Final FY 2019-20 Operating Budget with incorporated comments for approval and adoption; and

WHEREAS, it is in the best interest of COMB to approve and adopt the COMB FY 2019-20 Operating 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 COMB FY 2019-20 Operating Budget ending June 30, 2020.
3. This Resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 20th day of May 2019, by the following roll call vote:

Ayes:
Nays:
Abstain:
Absent:

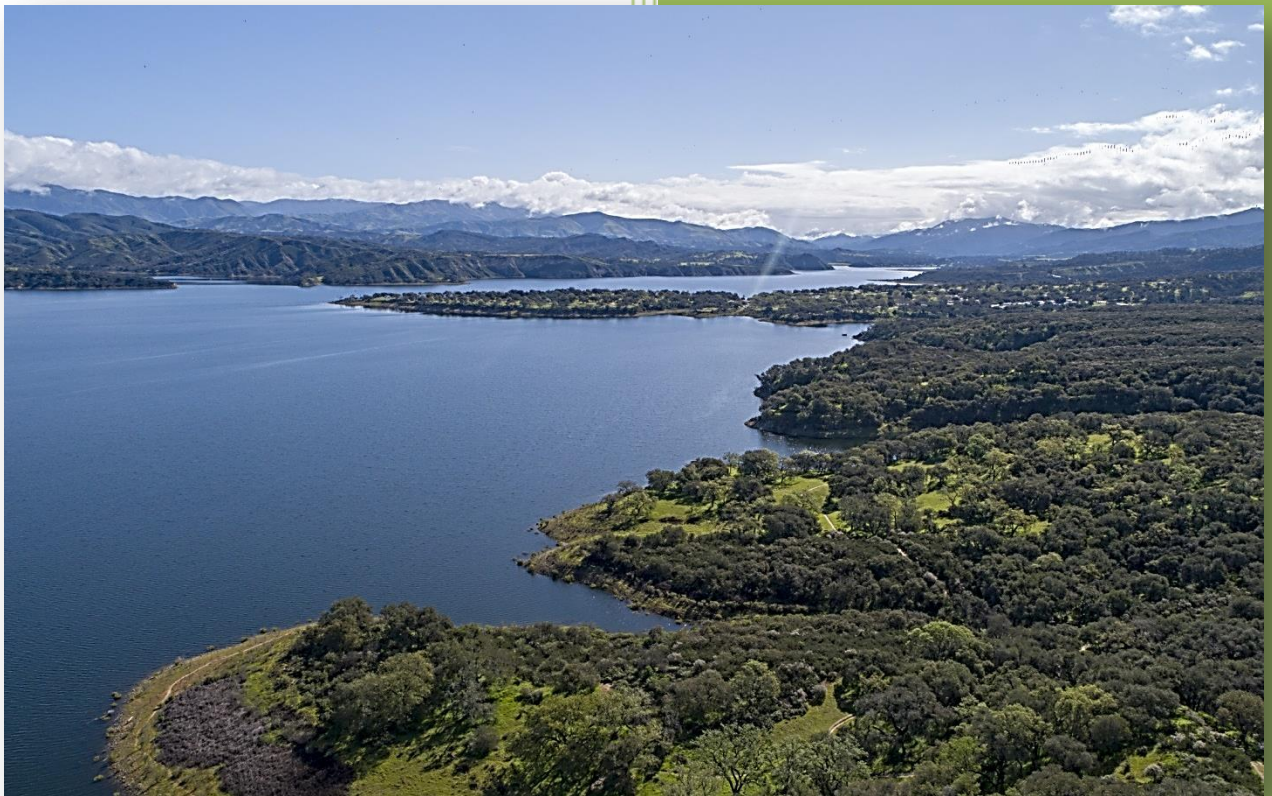
APPROVED:

President of the Governing Board

ATTEST:

Secretary of the Governing Board

Fiscal Year 2019-20 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

Cachuma Operation & Maintenance Board

Board of Directors

Polly Holcombe, Carpinteria Valley Water District

Lauren Hanson, Goleta Water District

Kristen Sneddon, City of Santa Barbara

Cori Hayman, Montecito Water District

General Manager

Janet L. Gingras

Staff Contributors

Edward Lyons, Administrative Manager, CFO

Joel Degner, Water Resources Engineer

Tim Robinson, Fisheries Division Manager

Elijah Papen, Program Analyst

Our Mission

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



Cachuma Lake – North Portal Intake Tower
Photo Credit: D. Flora



General Manager's Message

The COMB Fiscal Year (FY) 2019-20 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 2018-19 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 2019-20. Rising costs for essential materials and supplies, pressure on our Members Agencies budgets from the eight 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.

~~~~~





## TABLE OF CONTENTS

### SECTION I – COMB Overview:

|                                                  | Page |
|--------------------------------------------------|------|
| History of COMB                                  | 1    |
| Organizational Structure                         | 3    |
| Conveyance Facilities and Operations             | 4    |
| Transferred Project Works Contract               | 5    |
| NMFS Biological Opinion and Fish Management Plan | 8    |
| Drought Response and Management                  | 9    |
| FY 2018-19 Accomplishments                       | 10   |
| FY 2019-20 Priorities                            | 15   |

### SECTION II – Budget Overview:

|                                                   |    |
|---------------------------------------------------|----|
| Basis of Accounting                               | 16 |
| Financial Planning                                | 16 |
| COMB Annual Operating Budget                      | 17 |
| Budget Development                                | 17 |
| Budget Approval                                   | 18 |
| Budgeted Expenditures                             | 18 |
| Budget Adjustments / Augmentations                | 19 |
| Member Agency Payment of Assessments              | 19 |
| Non Member Agency Payment Obligations             | 20 |
| Unexpended Funds                                  | 20 |
| Financial Statement Reporting                     | 20 |
| COMB Managed Revenues                             | 20 |
| Project Obligation by Cachuma Project Member Unit | 23 |

### SECTION III – COMB Managed Revenues:

|                                                                       |    |
|-----------------------------------------------------------------------|----|
| COMB Managed Revenues                                                 | 24 |
| COMB Operating Budget                                                 | 24 |
| USBR Water Rates                                                      | 26 |
| USBR Water Rate Deficits                                              | 27 |
| Grant Funding / Financial Assistance                                  | 27 |
| Warren Act Trust Fund / Renewal Fund                                  | 27 |
| Bradbury Dam / Lauro Dam Safety of Dams (SOD) Act Repayment Contracts | 29 |
| Loan Payments – EPFP                                                  | 29 |
| Betterment Fund                                                       | 30 |
| Water Rights Fee                                                      | 30 |
| Potential Revenue Opportunities                                       | 31 |

## TABLE OF CONTENTS (Continued)

### SECTION IV – Expenditures:

|                                     | <b>Page</b> |
|-------------------------------------|-------------|
| Expenditures                        | 32          |
| Personnel                           | 32          |
| Operations and Maintenance          | 34          |
| General and Administrative          | 36          |
| Infrastructure Improvement Projects | 38          |
| Habitat Improvement Projects        | 38          |

### SECTION V – COMB Operating Budget:

|                                                  |    |
|--------------------------------------------------|----|
| COMB Operating Budget                            | 39 |
| COMB Operating Budget: Consolidated Overview     | 43 |
| COMB Operating Budget: By Division               | 44 |
| Operations and Maintenance Expenses Consolidated | 49 |
| General and Administrative Expenses Consolidated | 49 |
| COMB Operating Budget Allocation FY 2018-19      | 50 |

### APPENDIX

|                                                                           |    |
|---------------------------------------------------------------------------|----|
| COMB Operating Budget Summary                                             | 52 |
| Operations and Maintenance Division - O&M Expenses                        | 52 |
| Operations and Maintenance Division - General and Administrative Expenses | 55 |
| Operations and Maintenance Division - Special G&A Expenses                | 59 |
| Operations and Maintenance Division - Infrastructure Improvement Projects | 60 |
| Operations and Maintenance Division - Special Projects                    | 63 |
| Fisheries Division - O&M Expenses                                         | 66 |
| Fisheries Division - General and Administrative Expenses                  | 68 |
| Fisheries Division - Special Projects                                     | 72 |
| Fisheries Division - Habitat Improvement Projects                         | 74 |
| Recap - Total COMB Budget FY 2019-20                                      | 75 |

## LIST OF TABLES

### SECTION I – COMB Overview:

|                                                                      | <b>Page</b> |
|----------------------------------------------------------------------|-------------|
| Table 1.1 Total Water Conveyed by Fiscal Year, by Source of Water    | 6           |
| Table 1.2 Total Water Conveyed by Fiscal Year, by COMB Member Agency | 7           |

### SECTION II – Budget Overview:

|                                                                            |    |
|----------------------------------------------------------------------------|----|
| Table 2.1 Budget Process Schedule FY 2019-20                               | 18 |
| Table 2.2 Previous Ten Fiscal Year’s COMB Managed Revenues                 | 21 |
| Table 2.3 FY 2019-20 COMB Managed Revenues and Expenditures                | 22 |
| Table 2.4 Projected Obligation by Cachuma Project Member Agency FY 2019-20 | 23 |

### SECTION III – COMB Managed Revenues:

|                                                                     |    |
|---------------------------------------------------------------------|----|
| Table 3.1 COMB Operating Budget Allocation Percentages              | 24 |
| Table 3.2 Previous Ten Fiscal Years’ Gross Operating Budget History | 26 |
| Table 3.3 Warren Act Trust Fund Program Expenditures – FY 2019-20   | 28 |
| Table 3.4 Betterment Fund Expenditures – FY 2019-20                 | 30 |

### SECTION IV – Expenditures:

|                                                               |    |
|---------------------------------------------------------------|----|
| Table 4.1 FY 2019-20 Budgeted Personnel Costs                 | 33 |
| Table 4.2 Operation and Maintenance Expenditures Descriptions | 35 |
| Table 4.3 FY 2019-20 Operating and Maintenance Costs          | 36 |
| Table 4.4 FY 2019-20 General and Administrative Costs         | 37 |
| Table 4.5 FY 2019-20 Infrastructure Improvement Projects      | 38 |
| Table 4.6 FY 2019-20 Operations Division Special Projects     | 38 |
| Table 4.7 FY 2019-20 Habitat Improvement Projects             | 38 |

### SECTION V – COMB Operating Budget:

|                                                            |    |
|------------------------------------------------------------|----|
| Table 5.1 COMB Operating Budget: Consolidated Overview     | 43 |
| Table 5.2 COMB Operating Budget: By Division               | 44 |
| Table 5.3 COMB Operating Budget: O&M Expenses Consolidated | 48 |
| Table 5.4 COMB Operating Budget: G&A Expenses Consolidated | 49 |
| Table 5.5 COMB Operating Budget Allocation                 | 50 |

## LIST OF FIGURES

### SECTION I – COMB Overview:

**Page**

Figure 1.1 COMB Organization Structure

3

Figure 1.2 Cachuma Project Facilities Map

4

### SECTION III – COMB Managed Revenues:

Figure 3.1 FY 2019-20 Operating Budget by Division

25

### SECTION IV – Expenditures:

Figure 4.1 FY 2019-20 Personnel Costs by Category

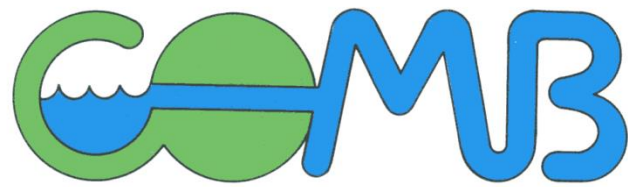
33

## 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       |
| FEMA       | Federal Emergency Management Agency            |
| FY         | Fiscal Year                                    |
| FYE        | Fiscal Year End                                |

## LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

|        |                                              |
|--------|----------------------------------------------|
| FMP    | Fisheries Monitoring Program                 |
| 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         |
| 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 – COMB OVERVIEW**





## SECTION I – COMB 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 or USBR) under contract with the Santa Barbara County Water Agency on behalf of the Cachuma Project Member Units.

The Cachuma Project Member Units (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.



*Bradbury Dam*

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 Project 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 resulting JPA agreement was entered into by the Member Units, who, in doing so, became Member Agencies of COMB, in order to provide for the joint exercise of powers by those Member Agencies for the rights to, the facilities of, and the operation, maintenance and use of the Reclamation's project known as the "Cachuma Project." These rights and powers included the storage, treatment, transport and appurtenant facilities, and all necessary tangible and intangible property and rights. Under the JPA Agreement, COMB also has the authority for the financing of costs for the capture, development, treatment, storage, transport and delivery of water.

In September 2010, the COMB Board approved a budget adjustment effective January 2011 to transfer from Cachuma Conservation and Release Board (CCRB) the implementation of the Santa Ynez River Fisheries Program as required by the 2000 Biological Opinion.

COMB's organizational structure originally consisted of six (6) Cachuma Project beneficiaries, including Goleta Water District, the City of Santa Barbara, Montecito Water District, Summerland Water District, Carpinteria County Water District, and Santa Ynez River Water Conservation District (Parent District). In 1993, the Parent District assigned its rights and obligations under Contract No. 175r-1802 (Water Repayment Contract between USBR and Santa Barbara County) to Santa Ynez River Water Conservation District,

Improvement District No. 1 (ID No. 1). In 1995, the Summerland Water District reorganized with Montecito Water District as successor in interest. In 2016, the Santa Ynez River Water Conservation District, Improvement District No. 1 (ID No. 1) notified the COMB Board of its stated intent to withdraw from the Agreement. A Separation Agreement was entered into by ID No. 1, COMB, and the remaining COMB Member Agencies and was approved by all parties effective August 28, 2018. Pursuant to the terms and conditions of the Separation Agreement, ID No. 1 was deemed no longer a Member Agency of COMB and had departed from the COMB JPA Agreement as of May 27, 2016. ID No. 1 continues to be a member of the Cachuma Project which carries certain benefits and obligations associated with the Project as outlined in various agreements.

Today, the organization is comprised of four Cachuma Project Member Units, known collectively as COMB's Member Agencies which includes: the Carpinteria Valley Water District, the Goleta Water District, the Montecito Water District, and the City of Santa Barbara.

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.

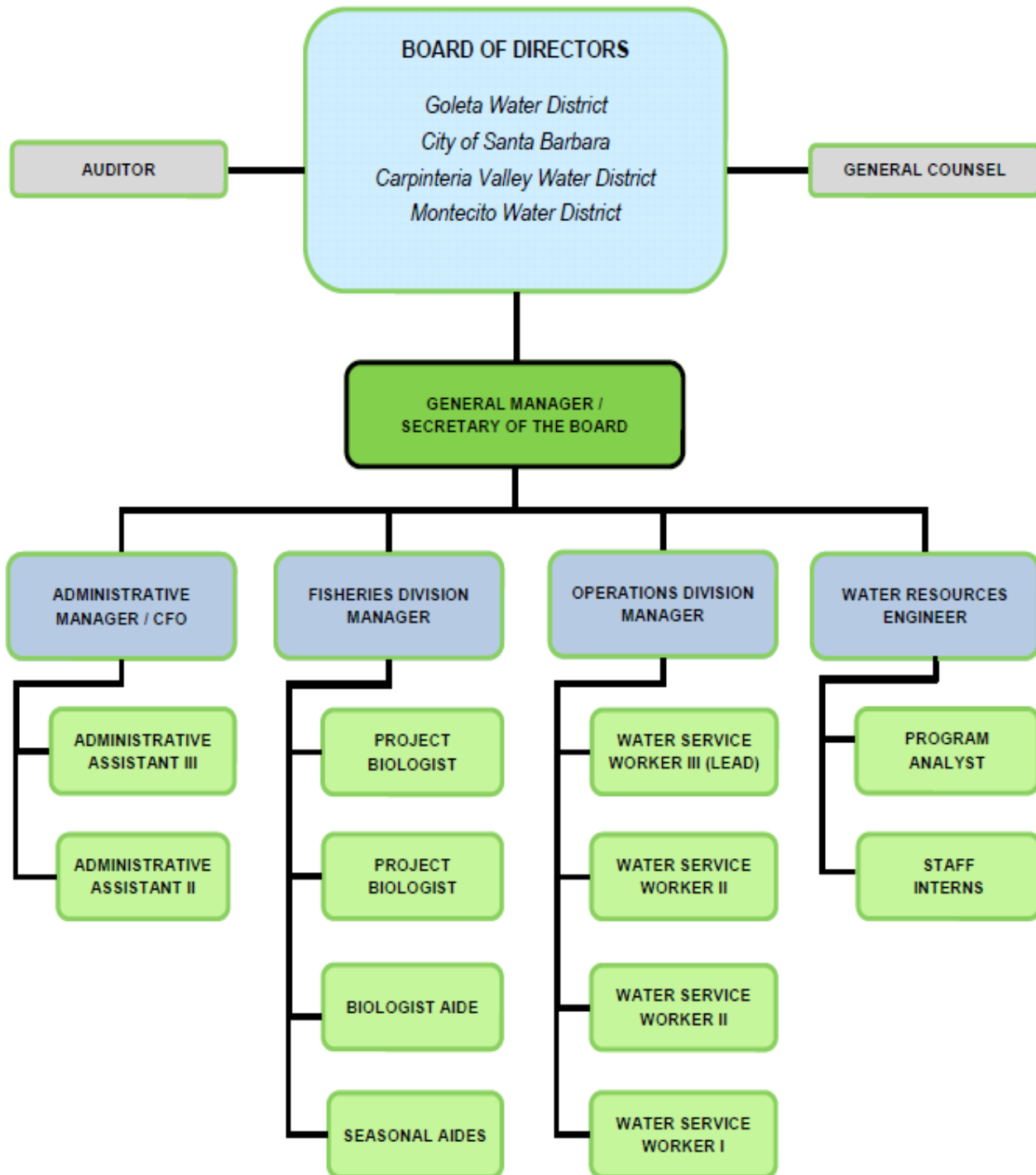
Day-to-day operations are executed by the General Manager who serves at the pleasure of the Board. The General Manager oversees a staff of 14 full time employees including division managers, certified distribution operators, senior biology staff, a water resources engineer, a program analyst, and administrative personnel.

Figure 1.1 on the following page provides an overview of the COMB Organizational Structure.



*North Portal Intake Tower – March, 2019  
(Photo Credit: SB County Public Works)*

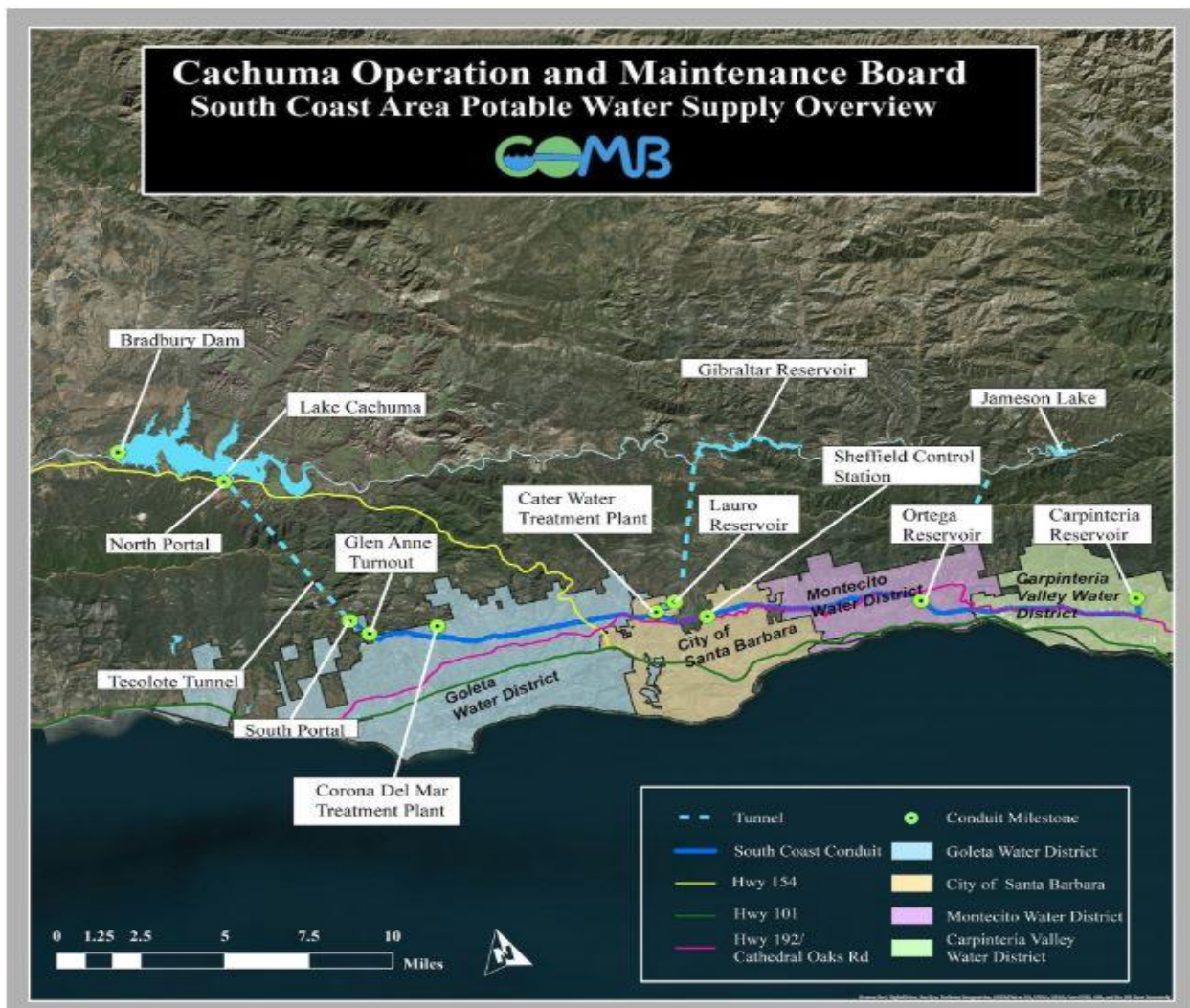
Figure 1.1 –COMB Organizational Structure



## 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 COMB Member Agencies 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. Figure 1.2 below provides an overview of the Cachuma Project Facilities Map.

**Figure 1.2 – Cachuma Project Facilities Map**





## 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.

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 Agencies' staff to ensure that water supplies meet daily demands.

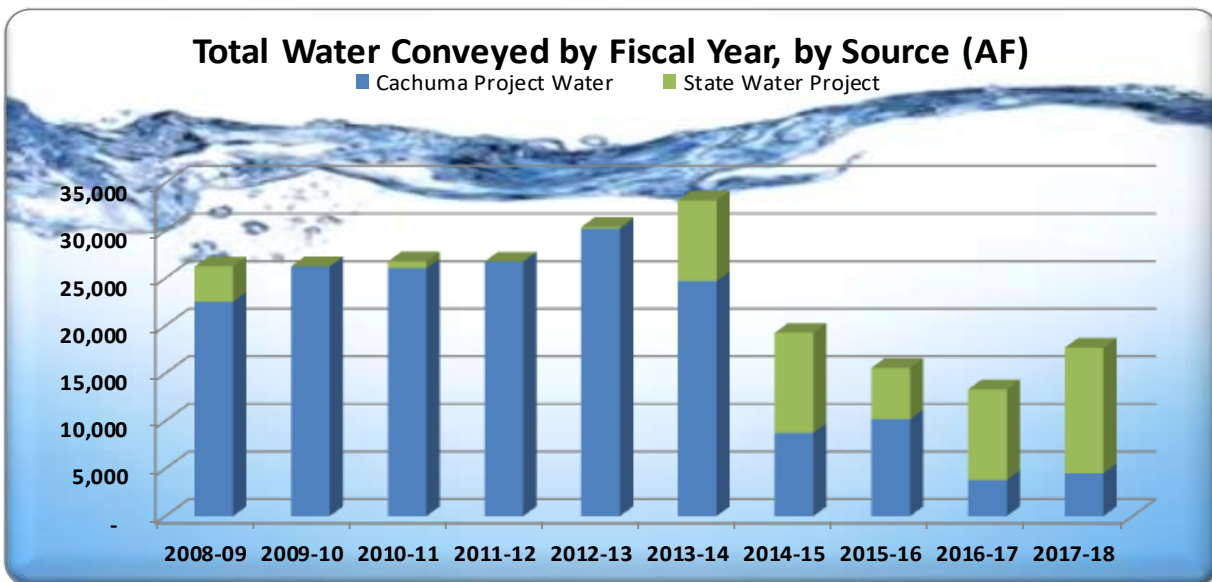
COMB staff reads meters and accounts for Project water deliveries on a monthly basis, and performs repairs and preventative maintenance on Project facilities and equipment. COMB safeguards Project lands and rights-of-way on the South Coast as the contractor for Reclamation. COMB is responsible for issuing Project water production and use reports, operations reports, fisheries reports, and financial and investment reports which track operation and maintenance expenditures. Tables 1.1 and 1.2 on the following pages provide a 10-year history, by fiscal year, of water conveyed by source and by COMB Member Agency.



*Tecolote Tunnel Construction*

**Table 1.1 – Total Water Conveyed by Fiscal Year, by Source of Water Via South Coast Conduit (Acre Feet)**

| Fiscal Year            | Cachuma Project Deliveries <sup>(1)</sup> | State Water Project Deliveries <sup>(1), (2)</sup> | Total  |
|------------------------|-------------------------------------------|----------------------------------------------------|--------|
| 2008-09                | 22,529                                    | 3,696                                              | 26,225 |
| 2009-10                | 26,233                                    | -                                                  | 26,233 |
| 2010-11                | 26,026                                    | 718                                                | 26,744 |
| 2011-12                | 26,732                                    | -                                                  | 26,732 |
| 2012-13                | 30,180                                    | 193                                                | 30,373 |
| 2013-14                | 24,674                                    | 8,483                                              | 33,157 |
| 2014-15 <sup>(3)</sup> | 8,750                                     | 10,506                                             | 19,256 |
| 2015-16 <sup>(3)</sup> | 10,174                                    | 5,391                                              | 15,565 |
| 2016-17 <sup>(3)</sup> | 3,787                                     | 9,519                                              | 13,306 |
| 2017-18 <sup>(3)</sup> | 4,484                                     | 13,204                                             | 17,688 |



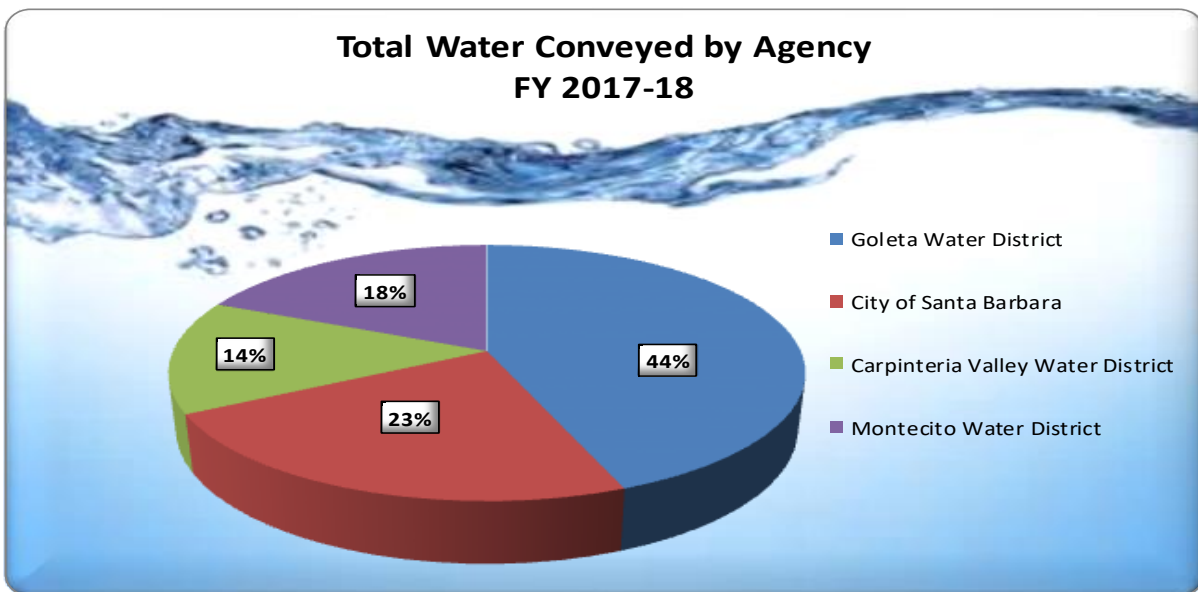
## Notes:

- (1) Reported in Acre Feet. One Acre Feet = 325,851 Gallons of Water
- (2) State Water Project deliveries include both Table A Water and Supplemental Water Purchases.
- (3) Starting with Water Year 2014-15 (Oct-Sep), the annual Cachuma Project water allocation was reduced to 45% due to ongoing drought conditions and low lake level. Subsequent annual allocations were as follows: WY 2015-16 (0%), WY 2016-17 (40%), WY2017-18 (40%).

Source: Cachuma Monthly Water Reports

**Table 1.2 – Total Water Conveyed by Fiscal Year, by COMB Member Agency  
Via South Coast Conduit (Acre Feet)**

| Fiscal Year            | Goleta Water District | City of Santa Barbara | Carpinteria Valley Water District | Montecito Water District | Total  |
|------------------------|-----------------------|-----------------------|-----------------------------------|--------------------------|--------|
| 2008-09                | 11,234                | 8,054                 | 2,283                             | 4,653                    | 26,225 |
| 2009-10                | 11,306                | 8,109                 | 2,875                             | 3,944                    | 26,233 |
| 2010-11                | 11,456                | 9,082                 | 3,100                             | 3,106                    | 26,744 |
| 2011-12                | 11,842                | 8,356                 | 3,147                             | 3,387                    | 26,732 |
| 2012-13                | 11,789                | 10,409                | 3,647                             | 4,528                    | 30,373 |
| 2013-14                | 11,593                | 12,655                | 4,335                             | 4,574                    | 33,157 |
| 2014-15 <sup>(4)</sup> | 7,296                 | 7,684                 | 1,855                             | 2,421                    | 19,256 |
| 2015-16 <sup>(4)</sup> | 5,037                 | 6,513                 | 1,209                             | 2,807                    | 15,565 |
| 2016-17 <sup>(4)</sup> | 4,949                 | 3,940                 | 1,916                             | 2,501                    | 13,306 |
| 2017-18 <sup>(4)</sup> | 7,782                 | 4,108                 | 2,533                             | 3,264                    | 17,688 |



**Notes:**

- (1) Reported in Acre Feet. One Acre Feet = 325,851 Gallons of Water
- (2) Includes Cachuma Project and State Water Project [Table A Water] and Supplemental Water Purchases.
- (3) Santa Ynez River Water Conservation District, ID No. 1 receives its Project allocation through a State Water Project exchange agreement.
- (4) Starting with Water Year 2014-15 (Oct-Sep), the annual Cachuma Project water allocation was reduced to 45% due to ongoing drought conditions and low lake level. Subsequent annual allocations were as follows: WY 2015-16 (0%), WY 2016-17 (40%), WY 2017-18 (40%).

Source: Cachuma Monthly Water Reports

## National Marine Fisheries Service BIOLOGICAL OPINION and FISH MANAGEMENT PLAN

The United States Bureau of Reclamation currently operates and maintains Bradbury Dam and associated water transport and delivery structures, collectively known as the Cachuma Project on and near the Santa Ynez River for several local water agencies. The Santa Ynez River is about 900 square miles in watershed area with Bradbury Dam located approximately 48 miles from the Pacific Ocean.



The National Marine Fisheries Services (NMFS) is the United States federal agency that oversees protection of Southern California steelhead (*Oncorhynchus mykiss*, *O. mykiss*). The Cachuma Project Biological Opinion (BO) and the Lower Santa Ynez River Fish Management Plan (FMP) were issued in 2000 for implementation of steelhead management actions developed over many years of study by the Cachuma Project Member Units. 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, and the delivery of adequate water supplies to customers of local water agencies and groundwater recharge.

On behalf of the U. S. Bureau of Reclamation, COMB 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.

In addition, a consensus based, long-term Fish Management Program was developed which provides protection for steelhead/rainbow trout downstream of Bradbury Dam through a combination of water releases from Bradbury Dam through the Hilton Creek watering system, and the removal or modification of numerous fish passage barriers to steelhead on tributaries to the mainstem Santa Ynez River. By implementing these actions, stakeholders in the Cachuma Project have created significant additional habitat for steelhead within the Santa Ynez River watershed.





## DROUGHT RESPONSE and MANAGEMENT

Efficient use of water has long been a priority within the Cachuma Project Service Area. Water purveyors are dependent on local water supplies, and have experienced periodic droughts including 1989-91, and the recent multi-year drought which commenced in 2012. During a drought period, the COMB Member Agencies dramatically increase their conservation efforts in order to minimize the impact of water shortages on the community. Drought conditions can last many years; the reductions in Cachuma Project water supplies have a major impact on water supply management for the South Coast Member Agencies.

During the drought that began in 2012, 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 are extremely low and cannot flow via gravity into the Tecolote Tunnel. After an all-time low capacity of 7% of capacity during 2016, Lake Cachuma rebounded to approximately 73% during the February 2019 storms and subsequent inflows. In March 2019, the United States Drought Monitor removed drought conditions from Santa Barbara County. However, the COMB Member Agencies continue to face a water supply shortage until such time their respective groundwater basins have been recharged and supplemental water obligations are repaid.

COMB staff has developed a lake elevation projection model for forecasting lake elevations and has implemented a regime to request member agencies projected imports and exports on periodic basis as part of its ongoing planning process.

### Cachuma Lake Intake Tower



*August, 2016*

*February, 2019*



## FY 2018-19 ACCOMPLISHMENTS

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

### Engineering Division

- Emergency Pumping Facility Project (EPFP) – Assisted with the negotiation of Change Order No. 17 with external contractor which allowed the EPFP to be installed at a lower elevation and recommended delaying remobilization until 2019 or thereafter, resulting in a potential savings of approximately \$1.5M, if installation is delayed. Further developed a Request for Proposal (RFP) for a feasibility study for a secured/stored pipeline option.
- Sycamore Canyon Slope Stabilization – Prepared a change in the project scope of work, under the FEMA Project Assistance request, to include hazard mitigation and submitted a Hazard Mitigation Grant Program (HMGP) Sub-application as an alternate funding source. The HMGP sub-application required a Hazard Mitigation Plan (HMP) annex to Santa Barbara County’s HMP plan which was prepared and submitted to CalOES and FEMA. FEMA approved original change in scope which increased funding from \$50K to \$450K.
- Thomas Fire and Debris Flows – Submitted three separate Project Assistance requests to FEMA related to damages incurred during the Thomas Fire and Debris Flow event. Successfully negotiated an increase in funding from the initial \$30k damage assessment to the \$120k approved reimbursement amount to cover repair costs.
- Arroyo Paredon Bridge Replacement – Worked with Caltrans on bridge replacement project. Initially helped provide a Stop Work notice so that the project would be built with elements that protected the South Coast Conduit. Project had been in the works for over 10 years. Bridge completed and channel stabilization measures were installed that may be a useful case study for other creek crossings at no cost to COMB.
- Upper Reach Shutdown Projects – Coordinated and completed Upper Reach shutdown projects including San Antonio Creek Blow-off and Lateral 3A projects for water savings and cost reduction.
- AVAR/BO Rehabilitation Projects – Planned and coordinated shutdowns for rehabilitation work on the South Coast Conduit. Project scope of work was adjusted concurrently with repair work for several sites due to site specific conditions. Worked with design engineer and contractor to optimize solution while minimizing potential cost increases. Schedule ‘A’ work successfully completed in December 2018. Schedule ‘B’ work successfully completed in January 2019.
- Tecolote Tunnel Inspection – Assisted U.S. Bureau of Reclamation staff with comprehensive Tecolote Tunnel inspection.

## FY 2018-19 ACCOMPLISHMENTS (Continued)

### Engineering Division (Continued)

- Water Quality and Sediment Management Study – Prepared Request For Proposal (RFP) and selected consultant for study. Phase 1 of the study commenced in November 2018. Working on possible IRWMP funding for regional project.
- Lake Cachuma Elevation Projection Model – Developed lake elevation projection model for forecasting lake elevations and the potential EPFP Remobilization.
- Meter Mass Balance – Programmed mass balance reconciliation into the monthly water accounting model using system meters to evaluate issues. New meters installed in 2018 resolved most of the issues with unaccounted for water.
- Evaporation Discrepancy – Identified significant evaporation discrepancy, prepared memo, submitted evaporation buoy grant proposal, coordinated with Reclamation on solution, solved source of discrepancy.
- GIS/GPS – Purchased new GPS unit and continued efforts to more accurately mark the South Coast Conduit in the field. Presented and received positive feedback at the annual ESRI/GIS mapping conference on COMB’s GIS/GPS system.
- NPDES permit – Worked with COMB Fisheries division to perform water quality sampling and dechlorination for NPDES permit for discharges in 2018.
- Certifications – Water Resources Engineer passed State of California Department of Health Services Water Distribution D2 exam and certified D2 Operator in spring 2018, passed Water Distribution D3 exam in fall 2018.

### Operations Division

#### System Shutdowns

- Upper Reach Shutdown
  - San Marcos Isolation Valve to Lauro Control Station – City of SB contractor replaced Cater Water Treatment Plant influent meter.
  - Corona Del Mar WTP to San Marcos Isolation Valve to facilitate the completion of two major rehabilitation projects.
- Lower Reach Shutdown
  - South Coast Booster Pumps to Sheffield Control Station – City of SB contractor replaced South Coast Booster pump meter.
  - South Coast Booster Pump Station to Sheffield Control Station - completed first phase of Blow-off valve replacement.
- Tecolote Tunnel Shutdown
  - Reclamation performed a comprehensive periodic review – Tecolote Tunnel Inspection.

## FY 2018-19 ACCOMPLISHMENTS (Continued)

### Operations Division (Continued)

#### Rehabilitation / Repair / Replacement Projects

- Assisted in Lateral 3A Rehabilitation Project.
- Assisted in San Antonio Creek Blow-off replacement project.
- Completed repairs to appurtenant structures damaged during the Montecito debris flow.
- Replaced an 8" Meter at the Ortega Reservoir Pump Station to further improve system metering accuracy.
- Rehabilitated Blow off structure 57+97 – Replaced damaged 6" gate valve and installed all new hardware (nuts, bolts, gaskets etc.)
- Assisted in completion of Schedule 'A' AVAR/Blow off rehabilitation project (Cater WTP to Sheffield Control Station).
- Assisted in completion of Schedule 'B' AVAR/Blow off rehabilitation project (Sheffield Control Station to Barker Pass).
- Assisted in completion of Schedule 'C' AVAR/Blow off rehabilitation project (Cater WTP to Carpinteria Reservoir).
- Rehabilitated structure 380+30 including the replacement of the manway, valve and air vent.

#### Miscellaneous Work Activities

- Provided staff to assist in completion of the USBR annual Periodic Facility Reviews and Security Inspections at all USBR dams along the South Coast Conduit.
- Completed the Upper Reach / Lower Reach structure maintenance programs.
- Assisted the USBR in the dive inspection of the Lauro Reservoir intake structure. Coordination between Corona Del Mar WTP, Cater WTP and COMB allowed the operations team to successfully isolate Lauro reservoir and directly feed Cater Water Treatment Plant via South Coast Conduit.

### Fisheries Division

#### NMFS Biological Opinion and Fish Management Plan

- Implemented all 2000 BiOp compliance monitoring tasks (trapping, redd surveys, snorkel surveys, water quality monitoring, stream flow monitoring, photo documentation, etc.), working closely with USBR throughout the process.
- Successfully completed all 2000 BiOp compliance monitoring and reporting for the 2018 WR 89-18 Release as requested by USBR.

## **FY 2018-19 ACCOMPLISHMENTS (Continued)**

### **Fisheries Division (Continued)**

#### NMFS Biological Opinion and Fish Management Plan (Continued)

- Worked closely with USBR on monitoring and maintaining minimum target flows to Hilton Creek from both the Hilton Creek Watering System (HCWS) and Hilton Creek Emergency Backup System (HCEBS) through testing operations, flow configuration changes and shutdowns during power outages.
- Successfully completed on time the Quiota Creek Crossing 5 and Quiota Creek Crossing 9 Stream Restoration Projects following all permit requirements.
- Wrote and received a CDFW-FRGP Grant Award for the Quiota Creek Crossing 8 Project that is planned for construction in the fall of 2019.
- Successfully implemented the second annual Hilton Creek Gravel Augmentation Project. The pilot project resulted in the immediate success with *O. mykiss* spawning. The objective of this effort is to evolve into a long-term program.
- Followed up on the water hyacinth removal effort on the Lower Santa Ynez River (LSYR) with no sightings this year of this very invasive, non-native aquatic plant.
- Improved landowner relationships that specifically have provided increased access into the Highway 154 Management Reach downstream of the Long Pool.
- WY2014 and WY2015 Annual Reports/Summaries completed.

#### Oak Tree Program

- Successfully completed the Annual Oak Tree Inventory of 4,469 trees planted over the history of the program with 3,674 alive making for an 82.21% success rate for the program that started in 2005.
- Kept up a rigorous watering effort of the mitigation trees in the Lake Cachuma Oak Tree Restoration Program throughout a very dry season that has shown positive results in maintaining those trees in multiple areas around the lake and below the dam.

### **Administrative Division**

#### COMB JPA

- Separation Agreement entered into by the Santa Ynez River Water Conservation District, ID No.1, COMB, and the South Coast Member Agencies and approved by all parties
- Second Amendment to the 1996 Amended and Restated Joint Exercise of Power Agreement Executed and submitted to California Secretary of State for recording.
- Transfer of Project Works Contract Renewal Process initiated with Reclamation.

**FY 2018-19 ACCOMPLISHMENTS (Continued)****Administrative Division (Continued)**CAFR Audit / Budget Process

- Fiscal Year 2016-17 Comprehensive Annual Financial Report (CAFR) was awarded (first time submission) the Certificate of Achievement for Excellence in Financial Reporting from the GFOA.
- Fiscal Year 2017-18 Audited Financial Statements received an unmodified (“clean”) opinion.
- Expanded Budget Document initiated and approved by Board.

Grant Funding

- COMB applied for and received FEMA Disaster (DR-4353) funding for rehabilitation to damaged structures caused by the Thomas Fire and subsequent Debris Flow disaster.
- COMB applied for and received grant funding from the U.S. Bureau of Reclamation for the Cachuma Lake Log Boom Installation Project.
- Participation in Santa Barbara County IRWMP process.

Reporting / Cost Tracking

- Advancement of Water Accounting model.
- Advancement of Infrastructure and Habitat Improvement Project Tracking activities and costs.

Policy and Procedure

- Updated Board Governance Policy.
- Development of Director Handbook.
- Fiscal Policy created and adopted by the COMB Board.
- Advancement of Vehicle Replacement Matrix.

Other

- New COMB website developed and launched.
- Receipt of two ACWA/JPIA Presidents Special Recognition Awards for low loss ratio in the Liability and Property Insurance programs.
- Administrative Manager/CFO completed a year-long leadership training program sponsored by ACWA-JPIA



## FY 2019-20 PRIORITIES

Outlined below are highlights of priorities to be initiated during Fiscal Year 2019-20.

### 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 2020-2024 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 2020-2024 updated and approved

### Administrative Division

- Development / Implementation of Transfer Agreement Renewal Process
- Review of USBR Water Rates, Deficits, and USBR Budget Process
- Development of Framework for Comprehensive Strategic Planning Process
- Advancement of Financing Approaches (SRF, grants, bonds, debt obligations)
- CAFR Audit / Budget Planning Document Enhanced
- Financial and Operational Metric Reporting (Dashboard)
- Advancement of Water Accounting / Supply and Demand schedules
- Continued Development of Policy and Procedures
- Injury Illness Prevention Plan updated
- COMB Internal Emergency Response Plan updated
- Advancement of Risk Management Programs
- Employee Handbook completed
- Parity Study completed
- Payroll System and Timekeeping System Upgraded
- Staff Professional Development and Training







## **SECTION II – BUDGET OVERVIEW**



## BASIS OF ACCOUNTING

COMB operates as a proprietary fund-type. All proprietary fund-types use a flow of economic resources measurement focus. Under this measurement focus, all assets and liabilities associated with the operation of these funds are included on the Statement of Net Position and where appropriate, total net position (i.e., fund equity) are segregated into invested in capital and unrestricted net position. Proprietary fund-type operating statements present increases (revenues) and decreases (expenses) in total net position.

All proprietary fund-types utilize the accrual basis of accounting. Under this method, revenues are recognized when earned, regardless of when received, and expenses are recognized at the time the related liabilities are incurred, regardless of when paid.

COMB's accounting policies and procedures are consistent with:

- Generally Accepted Accounting Principles (GAAP)
- Governmental Accounting Standards Board (GASB)
- Office of Management and Budget (OMB) Circular A-133 "Audits of States, Local Governments, and Non-Profit Organizations" related to federal assistance and federal grant programs.

## FINANCIAL PLANNING

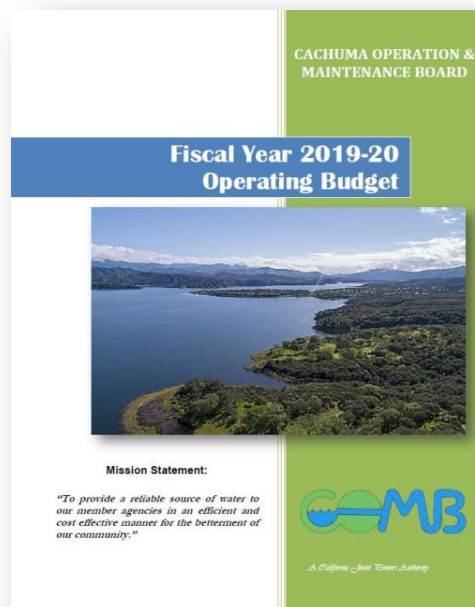
The Cachuma Operation and Maintenance Board operates under an annual budget which is adopted by the Board of Directors in accordance with established short and long term financial plans. The Government Finance Officers Association recommends that all governmental entities use some form of strategic planning to provide a long-term perspective for service delivery and budgeting.

COMB has developed a comprehensive five-year Infrastructure Improvement Plan and Habitat Improvement Plan which is used as an internal guideline for forecasting, budgeting and long term financial planning. COMB staff has initiated the process of updating the plan for FY 2020-24, which will be submitted through the appropriate Committee, to the Board for consideration.

COMB staff actively pursues outside funding sources for all infrastructure improvement projects. Outside funding sources, such as grants, are used to finance only those improvement projects that are consistent with the Five-Year Infrastructure Improvement Project Plans and COMB priorities, and whose operating and maintenance costs have been included in future operating budget forecasts. Board policy requires that all projects are to be approved through Committee and by the Board prior to commencement.

## COMB ANNUAL OPERATING BUDGET

Each year, the Board of Directors approves the COMB Operating Budget for the following fiscal year that runs from July 1 through June 30. 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.



The COMB Annual Operating Budget for FY 2019-20 is further detailed in Section V – COMB Operating Budget (see page 39).

### Budget Development

Development of the budget is based on a zero-based budgeting methodology. This methodology employs a detailed examination of expenditures wherein only the necessary budget amount for each line item is presented for discussion. This approach addresses fundamental and prioritized service needs and represents the minimum level of funding needed for effective operations.

At the beginning of the annual budget planning cycle, COMB staff prepares estimated budget projections and conducts meetings with the General Managers and technical staff of the Member Agencies. The purpose of these meetings is to receive and incorporate comments into the proposed operating budget prior to submission to the COMB Administrative Committee.

Following review by the Administrative Committee, COMB staff then conducts a budget workshop with the COMB Board, at a public meeting, to review the draft operating budget, the proposed upcoming infrastructure and habitat improvement projects, and any revenue and expenditure assumptions and projections contained therein.

Depending on the quantity or nature of comments received during the budget workshop, the draft budget may be sent back to committee for further consideration or brought back to the Board at its next meeting, as revised, for adoption.

Budget Approval

The final COMB Operating Budget is approved and adopted by the Board of Directors through a resolution during a scheduled public meeting. Once adopted by the Board, management continues to closely monitor and report on projects, expenditures, and revenues throughout the fiscal year to ensure compliance with the budget, as well as the integrity, transparency and quality of operations.

Table 2.1 provides the budget process schedule for FY 2019-20.

**Table 2.1 – Budget Process Schedule – FY 2019-20**

| Deliverables                                                                                                                                                                                                  | Jan | Feb | Mar | Apr | May | Jun |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|
| Updates to: Infrastructure Improvement Projects,<br>Habitat Improvement Projects,<br>Projected COMB Managed Revenues<br>Projected General and Administrative Expenditures<br>Projected Operating Expenditures | X   | X   |     |     |     |     |
| FY 2019-20 Draft Budget Document Developed                                                                                                                                                                    |     | X   | X   |     |     |     |
| Draft Budget Internal Review Process                                                                                                                                                                          |     |     | X   |     |     |     |
| Member Agency Review Process                                                                                                                                                                                  |     |     |     | X   |     |     |
| Administrative Committee Draft Budget Review                                                                                                                                                                  |     |     |     |     | X   |     |
| Board Draft Budget Review                                                                                                                                                                                     |     |     |     |     | X   |     |
| Update Draft Budget - Prepare Final Budget                                                                                                                                                                    |     |     |     |     | X   |     |
| Board Adopts Final Operating Budget                                                                                                                                                                           |     |     |     |     |     | X   |

Budgeted Expenditures

As stated in COMB's Procurement Policy, the General Manager has the authority to approve expenditures made for official COMB business up to a maximum of \$25,000, provided such expenditures are within the budget, as adopted by the COMB Board. Purchases of equipment, services, or supplies exceeding \$25,000 are submitted, through the appropriate Committee, to the Board of Directors for review and approval. This expenditure authority limitation does not apply to routine, recurring operational expenses already approved within the annual operating budget, such as salaries, benefits, insurance, legal and IT services.

Emergency expenditures, as defined in COMB’s Procurement policy, are subject to approval by the General Manager or designee, who in turn notifies the Board President of actions taken and brings notification to the full Board within 30 days of the expenditure being made. In such an event, a determination is made and considered by the Board if a special assessment is warranted to cover non-budgeted emergency expenditures.

Any capital expenditure or form of indebtedness in excess of one million dollars requires unanimous consent by the COMB Board through a board resolution.

#### Budget Adjustments / Augmentations

The budget may be adjusted or augmented throughout the year by Board action to accommodate an expenditure that was either unanticipated or indeterminable at the time the annual budget was adopted. This process involves a recommendation by staff to the appropriate Board committee prior to submission to the Board for consideration.

A budget adjustment is defined as the process of reallocating budgeted funds to an alternative account and does not change the overall approved budget amount.

A budget augmentation is defined as an increase to the approved budget and the need for additional assessments.

The Board considers the recommendation at a public meeting and approves or rejects such requests by motion and majority vote of the Board. Any budget adjustment or augmentation that increases the cost of a capital expenditure or form of indebtedness in excess of one million dollars requires unanimous consent by the COMB Board through a board resolution.

#### Member Agency Payment of Assessments

Current operations of COMB are funded by assessment of the Member Agencies, with the assessments based on the Member Agencies’ Cachuma Project entitlement percentages. Operating Assessments are calculated each year through the Budget process. Member Agencies are billed at the start of each quarter for their allocable amount.

Section 4.2 of Article IV of the COMB JPA outlines the division of Cachuma Project Costs among the Member Agencies. Section 4.2 states: “Parties shall divide and pay the administrative costs, the storage operation and maintenance costs, and the conveyance and operations and maintenance costs, including the payment of any loans or obligations incurred by the Cachuma Operation and Maintenance Board pursuant to the provisions of Article I, Section 1.3(h)(iv) and Section 1.3 (i), according to their use of the facilities and their participation in the benefit of the annual yield of the Cachuma Project. Such costs shall be assessed to the parties upon a schedule approved by the Cachuma Operation and Maintenance Board.”

### Non-Member Agency Payment Obligations

Pursuant to the Separation Agreement between COMB and Santa Ynez River Conservation District, ID No. 1 (ID No. 1), starting in Fiscal Year 2017-18 and going forward, certain actual expenditures incurred by COMB will be collected from ID No. 1 through an invoice issued quarterly to it by COMB. Any expenditures that are disputed by ID No. 1 are to be deposited into an escrow account mutually-identified and agreed to by both parties, and until such time the dispute is resolved pursuant to the provisions set forth in Section 17 of the Agreement. In addition, COMB collects payments from ID No. 1 for continuing pass-through obligations pursuant to the terms of the Separation Agreement, dated August 31, 2018.

### Unexpended Funds

Unexpended funds occur when assessments (revenues) collected from the Member Agencies through the budget process exceed actual expenditures.

Unexpended funds are identified through the audit process and returned to the Member Agencies using one of four methods. These methods include: 1) the issuance of checks made payable to each Member Agency; 2) constructively returning the unexpended funds by reducing the Member Agency's quarterly assessments; 3) carrying forward unexpended funds for work in process; and/or 4) reducing the projected operating budget for the following fiscal year. The Board of Directors shall take action annually to approve the methodology for return once unexpended funds are identified.

### Financial Statement Reporting

Unaudited financial statements are received and filed by the Board on a monthly basis at a regularly-scheduled public meeting. On a quarterly basis, the Administrative Manager / Chief Financial Officer (CFO) provides a fiscal year-to-date financial review of the unaudited interim financial reports to the Board of Directors, comparing actual expenditures to the Budget.

## **COMB MANAGED REVENUES**

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 2.2. For FY 2019-20, COMB's projected managed revenues and expenditures total \$10,292,698. A breakdown of this amount is reflected in Tables 2.3 and 2.4.

**Table 2.2 – Previous Ten Fiscal Years’ COMB Managed Revenues <sup>(1)</sup>**

| Fiscal Year                | Operating Budget <sup>(9)</sup> | USBR Water Rates & Deficits | SOD Act Repayment | Grant Revenue | WATF/RF/BF Fund <sup>(2)</sup> | Loan Payments EPFP | Water Rights Fee | Total Managed Revenues |
|----------------------------|---------------------------------|-----------------------------|-------------------|---------------|--------------------------------|--------------------|------------------|------------------------|
| 2010-11                    | \$ 2,575,914                    | \$ 2,291,540                | \$ 196,958        | \$ -          | \$ 362,700                     | \$ -               | \$ 21,474        | \$ 5,448,586           |
| 2011-12 <sup>(3)</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>(4),(5)</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                    | \$ 3,827,696                    | \$ 1,728,642                | \$ 309,051        | \$ -          | \$ 710,361                     | \$ 463,450         | \$ 48,991        | \$ 7,088,191           |
| 2018-19 <sup>(6)</sup>     | \$ 4,238,885                    | \$ 3,189,982                | \$ 309,051        | \$ 1,886,408  | \$ 629,521                     | \$ 463,450         | \$ 52,162        | \$ 10,769,459          |
| 2019-20 <sup>(7),(8)</sup> | \$ 4,624,002                    | \$ 2,700,720                | \$ 309,051        | \$ 1,461,452  | \$ 681,523                     | \$ 463,450         | \$ 52,500        | \$ 10,292,698          |

**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) 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).

(4) 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.

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

(6) FY 2018-19 USBR Water Rates include (1) an 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, and (2) approximately \$860k of the FY 2015-17 USBR Deficits paid in-full by three Cachuma Project Member Units. The remaining Member Units elected to pay their obligation over a 5-year period.

(7) FY 2019-20 USBR Water Rates include (1) 2nd installment payment for Extraordinary O&M Costs (\$420K) - see Footnote 6, and (2) approximately \$200k of the FY 2015-17 USBR Deficits due from two Cachuma Project Member Units which elected to pay their obligation over a 5-year period.

(8) FY 2019-20 Grant Revenue includes funding related to Sycamore Canyon Slope Stabilization FEMA Assistance (\$450k) and California Department of Fish and Wildlife grant funds affiliated with Quiota Creek Project (\$1.01M).

(9) Pursuant to the terms and conditions of the Separation Agreement, ID No. 1 was deemed no longer a Member Agency of COMB and had departed from the COMB JPA Agreement as of May 27, 2016. ID No. 1 continues to be a member of the Cachuma Project which carries certain benefits and obligations associated with the Project as outlined in various agreements. Payments received from ID No. 1 for certain COMB BiOp and Oak Tree related expenditures vary by year and will be returned to the COMB Member Agencies upon collection.



Table 2.3 – FY 2019-20 COMB Managed Revenues and Expenditures <sup>(1), (2)</sup>

| Category                                       | Approved<br>FY 2018-19 | Projected Actuals<br>FY 2018-19 | Projected<br>FY 2019-20 |
|------------------------------------------------|------------------------|---------------------------------|-------------------------|
| <b>Revenues:</b>                               |                        |                                 |                         |
| COMB Operating Budget <sup>(2)</sup>           | \$ 4,238,885           | \$ 4,238,885                    | \$ 4,624,002            |
| Project Unexpended Funds FY 2017-18            | 500,000                | 0                               | 0                       |
| USBR Water Rates/Deficits <sup>(3),(4)</sup>   | 2,600,000              | 3,189,982                       | 2,700,720               |
| CDFW Grant Funding                             | 1,886,408              | 1,886,408                       | 1,010,700               |
| Warren Act Trust Fund                          | 539,521                | 539,521                         | 591,523                 |
| Loan Payments - EPFP                           | 463,450                | 463,450                         | 463,450                 |
| FEMA Assistance                                | 0                      | 0                               | 450,752                 |
| Bradbury SOD Act                               | 261,647                | 261,647                         | 261,647                 |
| SB County Contribution                         | 90,000                 | 90,000                          | 90,000                  |
| Water Rights Fee                               | 49,000                 | 52,162                          | 52,500                  |
| Lauro SOD Act                                  | 47,404                 | 47,404                          | 47,404                  |
| Renewal Fund                                   | 0                      | 0                               | 0                       |
| <b>Total Managed Revenues:</b>                 | <b>\$ 10,676,315</b>   | <b>\$ 10,769,459</b>            | <b>\$ 10,292,698</b>    |
| <b>Expenditures:</b>                           |                        |                                 |                         |
| <b>Contracts/Agreements</b>                    |                        |                                 |                         |
| U.S. Bureau of Reclamation                     | \$ 2,600,000           | \$ 3,189,982                    | \$ 2,700,720            |
| Bradbury SOD Act Repayment                     | 261,647                | 261,647                         | 261,647                 |
| Lauro SOD Act Repayment                        | 47,404                 | 47,404                          | 47,404                  |
| Water Rights Fee                               | 49,000                 | 52,162                          | 52,500                  |
| <b>Subtotal:</b>                               | <b>\$ 2,958,051</b>    | <b>\$ 3,551,195</b>             | <b>\$ 3,062,271</b>     |
| <b>Personnel</b>                               |                        |                                 |                         |
| Operations Division                            | \$ 813,247             | \$ 772,825                      | \$ 952,164              |
| Fisheries Division                             | 692,409                | 643,506                         | 704,515                 |
| Administrative Division                        | 832,180                | 781,917                         | 851,808                 |
| <b>Subtotal:</b>                               | <b>\$ 2,337,836</b>    | <b>\$ 2,198,248</b>             | <b>\$ 2,508,486</b>     |
| <b>Operation and Maintenance</b>               |                        |                                 |                         |
| Operations Division                            | \$ 288,500             | \$ 283,055                      | \$ 275,500              |
| Fisheries Division                             | 71,000                 | 71,394                          | 96,000                  |
| <b>Subtotal:</b>                               | <b>\$ 359,500</b>      | <b>\$ 354,449</b>               | <b>\$ 371,500</b>       |
| <b>General and Administrative</b>              |                        |                                 |                         |
| Operations Division                            | \$ 250,083             | \$ 224,571                      | \$ 254,148              |
| Fisheries Division                             | 114,416                | 88,711                          | 197,516                 |
| <b>Subtotal:</b>                               | <b>\$ 364,499</b>      | <b>\$ 313,281</b>               | <b>\$ 451,664</b>       |
| <b>Infrastructure and Improvement Projects</b> |                        |                                 |                         |
| Infrastructure Improvement Projects            | \$ 1,469,400           | \$ 1,034,437                    | \$ 1,545,242            |
| Special Projects                               | 373,583                | 228,725                         | 500,085                 |
| Habitat Improvement Projects                   | 2,173,996              | 2,116,154                       | 1,226,000               |
| Program Support Services                       | 176,000                | 154,867                         | 164,000                 |
| <b>Subtotal:</b>                               | <b>\$ 4,192,979</b>    | <b>\$ 3,534,184</b>             | <b>\$ 3,435,327</b>     |
| <b>Total Expenditures before Debt:</b>         | <b>\$ 10,212,865</b>   | <b>\$ 9,951,357</b>             | <b>\$ 9,829,248</b>     |
| Debt Service - American Riviera Bank           | 463,450                | 463,450                         | 463,450                 |
| <b>Total Expenditures:</b>                     | <b>\$ 10,676,315</b>   | <b>\$ 10,414,807</b>            | <b>\$ 10,292,698</b>    |

**Footnotes**

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

(2) COMB Board adopts the annual Operating Budget.

(3) USBR Water Rates/Deficits (Projected Actuals FY 2018-19) - Includes (1) an 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, and (2) approximately \$860k of the FY 2015-17 USBR Deficits paid in-full by three Cachuma Project Member Units. The remaining Member Units elected to pay their obligation over a 5-year period.

(4) USBR Water Rates/Deficits (Proposed FY 2019-20) - Based on preliminary verbal estimate received from USBR. 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.

**PROJECTED OBLIGATION BY CACHUMA PROJECT MEMBER UNIT**

The COMB Operating Budget and pass-through revenues and charges are funded by assessments from the Cachuma Project Member Units. Amounts are allocated based on various contractual agreements or approved methodologies. The projected obligation for FY 2019-20 is reflected in Table 1.3

**Table 2.4 – Projected Obligation by Cachuma Project Member Unit – FY 2019-20**

| CATEGORY                                     | GWD                | City of SB         | CVWD               | MWD                | SYRWCD ID No. 1  | Totals               |
|----------------------------------------------|--------------------|--------------------|--------------------|--------------------|------------------|----------------------|
| COMB Gross Operating Budget                  | \$2,735,009        | \$2,428,688        | \$825,407          | \$777,874          | \$0              | \$6,766,977          |
| USBR Water Rates (WY 2019-20) <sup>(1)</sup> | 906,250            | 804,750            | 273,500            | 257,750            | 257,750          | 2,500,000            |
| USBR Deficits - FY 2015-2017 <sup>(2)</sup>  | 148,540            | 0                  | 0                  | 0                  | 52,180           | 200,720              |
| Bradbury SOD Act <sup>(3)</sup>              | 94,847             | 84,224             | 28,624             | 26,976             | 26,976           | 261,647              |
| Lauro SOD Act <sup>(4)</sup>                 | 19,159             | 17,013             | 5,782              | 5,449              | 0                | 47,404               |
| Water Rights Fee <sup>(5)</sup>              | 19,031             | 16,900             | 5,744              | 5,413              | 5,413            | 52,500               |
| EPFP Loan Assessment <sup>(6)</sup>          | 360,461            | 0                  | 0                  | 102,989            | 0                | 463,450              |
| <b>Total Gross Obligation</b>                | <b>\$4,283,297</b> | <b>\$3,351,575</b> | <b>\$1,139,057</b> | <b>\$1,176,451</b> | <b>\$342,319</b> | <b>\$10,292,698</b>  |
| Less Offsetting Revenues:                    |                    |                    |                    |                    |                  |                      |
| Warren Act Trust Fund                        | (\$239,076)        | (\$212,299)        | (\$72,151)         | (\$67,996)         | \$0              | (\$591,523)          |
| County Betterment Fund                       | (36,375)           | (32,301)           | (10,978)           | (10,346)           | 0                | (90,000)             |
| CDFW Grant Funding                           | (408,495)          | (362,743)          | (123,281)          | (116,181)          | 0                | (1,010,700)          |
| FEMA Assistance                              | (182,180)          | (161,776)          | (54,981)           | (51,815)           | 0                | (450,752)            |
| <b>Total Offsetting Revenue</b>              | <b>(\$866,126)</b> | <b>(\$769,120)</b> | <b>(\$261,391)</b> | <b>(\$246,338)</b> | <b>\$0</b>       | <b>(\$2,142,975)</b> |
| <b>Sub Total Projected Net Obligation</b>    | <b>\$3,417,171</b> | <b>\$2,582,455</b> | <b>\$877,666</b>   | <b>\$930,113</b>   | <b>\$342,319</b> | <b>\$8,149,723</b>   |
| Non-Member Agency Obligation <sup>(7)</sup>  | (32,334)           | (28,712)           | (9,758)            | (9,196)            | 80,000           | 0                    |
| <b>Total Projected Net Obligation</b>        | <b>\$3,384,838</b> | <b>\$2,553,743</b> | <b>\$867,908</b>   | <b>\$920,917</b>   | <b>\$422,319</b> | <b>\$8,149,723</b>   |

## Notes:

- Based on preliminary 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.
- GWD and SYRWCD ID No. 1, only - Includes USBR deficit amounts FY 2015-17 amortized over 5 years. City of SB, CVWD and MWD have paid their obligation in-full.
- USBR pass-through costs - projection reflects no change from previous year.
- USBR pass-through costs - projection reflects no change from previous year.
- State Board of Equalization pass-through cost - projection reflects no change from previous year.
- GWD and MWD, only - projection reflects no change from previous year.
- Pursuant to the terms and conditions of the Separation Agreement, ID No. 1 was deemed no longer a Member Agency of COMB and had departed from the COMB JPA Agreement as of May 27, 2016. ID No. 1 continues to be a member of the Cachuma Project which carries certain benefits and obligations associated with the Project as outlined in various agreements. Payments received from ID No. 1 for certain COMB BiOp and Oak Tree related expenditures, vary by year, and will be returned to the COMB Member Agencies upon collection. Projected amount (\$80k) will be adjusted based on actual expenditures and offsetting revenues for eligible activities.



## **SECTION III - COMB MANAGED REVENUES**



## SECTION III - COMB MANAGED REVENUES

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 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 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 3.1**  
**COMB Operating Budget Allocation Percentages**

Annual budget revenues are funded by quarterly assessments of COMB Member Agencies and are based on the Member Agencies' proportionate Cachuma Project entitlement percentages. Included in the budget is the cost of personnel and administration, operation and maintenance, fisheries related work and infrastructure improvement projects related to the Cachuma Project storage and conveyance facilities. These facilities include the Tecolote Tunnel, the South Coast Conduit (SCC), and four regulating dams and reservoirs (Glen Annie, Lauro, Ortega and Carpinteria). During the fiscal year ended June 30, 2019, COMB conducted and/or completed a number of special studies and projects using revenue provided by these assessments. These projects included storage of key components of the Emergency Pumping Facility, improvements to the South Coast Conduit; and rehabilitation and betterment of control stations, valves and structures.

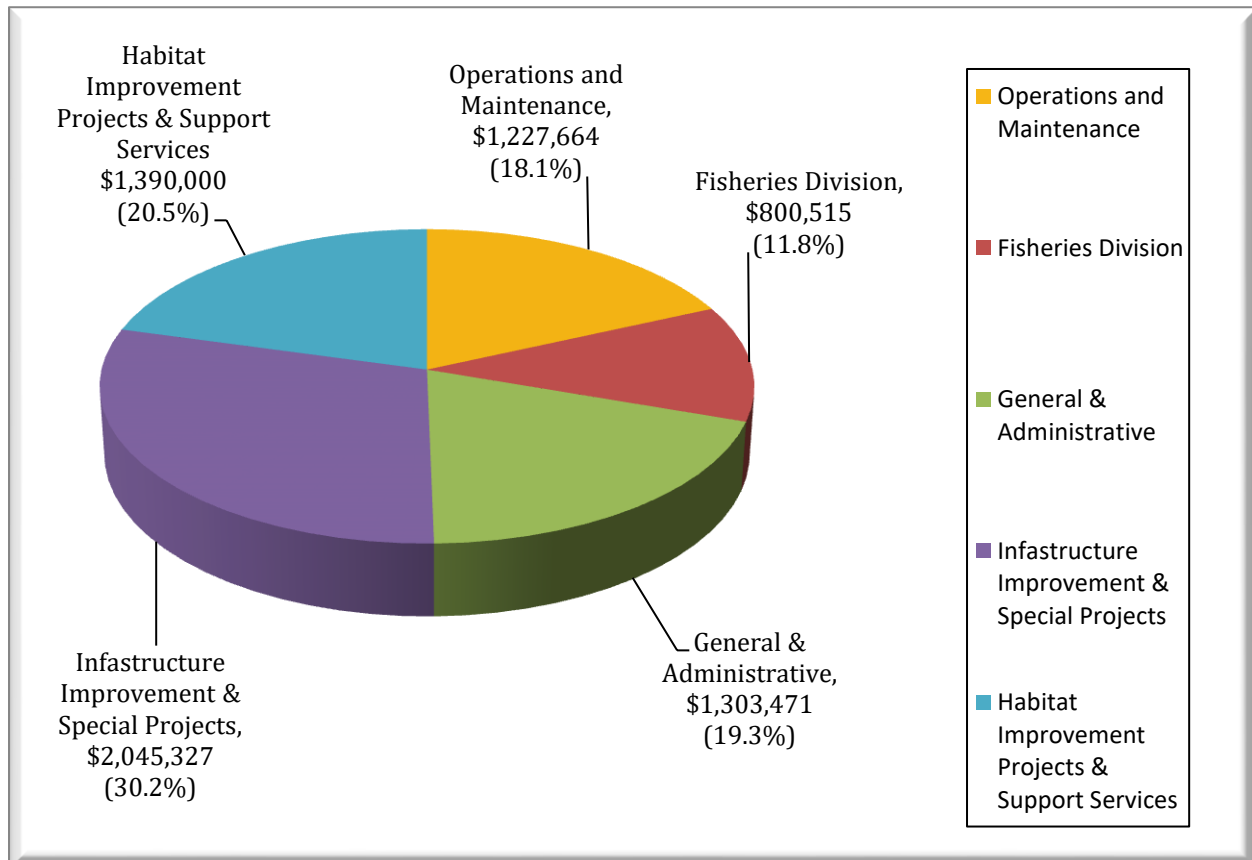
| Member Unit              | COMB Operating Budget Allocation % |
|--------------------------|------------------------------------|
| Goleta Water District    | 40.42 %                            |
| City of Santa Barbara    | 35.89 %                            |
| Carpinteria Valley WD    | 12.20 %                            |
| Montecito Water District | 11.50 %                            |
| <b>Total</b>             | <b>100.00%</b>                     |

In 2016, the Santa Ynez River Water Conservation District, Improvement District No. 1 (ID No. 1) notified the COMB Board of its stated intent to withdraw from the COMB Joint Powers Agreement. A Separation Agreement was entered into by ID No. 1, COMB, and the remaining COMB Member Agencies and was approved by all parties effective August 28, 2018. Pursuant to the terms and conditions of the Separation Agreement, ID No. 1 is no longer a Member Agency of COMB and has departed from the COMB JPA Agreement as of May 27, 2016. ID No. 1 continues to be a member of the Cachuma Project which carries certain benefits and obligations associated with the Project and specific COMB activities as

outlined in the Separation Agreement. Payments received from ID No. 1 for certain COMB BiOp and Oak Tree related expenditures, previously assessed to the current COMB member agencies, will be returned to the COMB Member Agencies upon collection.

The total COMB gross Operating budget, not including pass-thru expenditures, for FY 2019-20 is \$6,766,977 and is further broken down by major category as depicted in Figure 3.1.

**Figure 3.1 – FY 2019-20 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 infastructure 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 gross budget history for the previous ten fiscal years is outlined in Table 3.2 on the following page.

**Table 3.2 – Previous Ten Fiscal Years’ Gross Operating Budget History**

| Fiscal Year | Operations and Maintenance | Fisheries Division | General and Admin | Infrastructure Improvement & Special Projects | Habitat Improvement Projects & Support | Total       |
|-------------|----------------------------|--------------------|-------------------|-----------------------------------------------|----------------------------------------|-------------|
| 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       | \$1,842,983                                   | \$2,349,996                            | \$7,254,814 |
| 2019-20     | \$1,227,664                | \$800,751          | \$1,227,664       | \$2,045,327                                   | \$1,390,000                            | \$6,766,977 |

Unexpended funds are identified through the audit process and returned to the Member Agencies using one of four methods. These methods include: 1) the issuance of checks made payable to each Member Agency; 2) constructively returning the unexpended funds by reducing the Member Agency’s quarterly assessments; 3) carrying forward unexpended funds for work in process; and/or 4) reducing the projected operating budget for the following fiscal year. The Board of Directors shall take action annually to approve the methodology for return once unexpended funds are identified.

### USBR WATER RATES

Through Resolution No. 224 and the Water Rates Agreement, 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.





The total projected water rates for FY 2019-20 (\$2.5M), 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, a deficit total of \$1,003,523 for FY 2016, and a deficit total of \$302,053 for FY 2017. Three Cachuma Project member units elected to pay their deficit obligation in-full during FY 2018-19. The remaining two Cachuma Project member units elected to pay their obligation over a five-year period. The FY 2018 deficit, if any, will be reported with the WY 2019-20 Water Rate calculations.

### GRANT FUNDING / FINANCIAL ASSISTANCE

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

**Funding from a CDFW-FRGP grant will cover approximately 86% of the estimated construction cost of the fish improvement project in FY 2019-20.**

In 2019, 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 \$1,010,700. Funds will be applied towards the fish passage improvement at Crossing Number 8 on Quiota Creek, a tributary to the lower Santa Ynez River. Construction is scheduled to begin in late summer/fall 2019.

In 2018, the COMB Engineering Division prepared a change in the project scope of work, under the FEMA Project Assistance request for the Sycamore Canyon Slope Stabilization Project, to include hazard mitigation and submitted a Hazard Mitigation Grant Program (HMGP) Sub-application as an alternate funding source. The HMGP sub-application required a Hazard Mitigation Plan (HMP) annex to Santa Barbara County’s HMP plan which was prepared and submitted to CalOES and FEMA. FEMA approved the change in scope of work which increased funding from \$50K to \$450K.

### 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.

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**

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 2018-19 and projected WY 2019-20, 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) was conducted on May 2, 2019. 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 2018 totaled \$591,293 based on 12,547 AF of State Water delivered to the lake during 2017.

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 2019-20 as outlined in Table 3.3 below.

**Table 3.3 – Warren Act Trust Fund Program Expenditures - FY 2019-20**

| Category                                              | Amount           |
|-------------------------------------------------------|------------------|
| Steelhead Enhancement Project (Quiota Creek Crossing) | \$250,000        |
| Genetic analyses of LSYR O. Mykiss tissue samples     | \$ 15,000        |
| Oak Tree Restoration Program                          | \$ 30,000        |
| Watershed protection                                  | \$ 50,000        |
| General fisheries program work                        | \$246,293        |
| <b>Total</b>                                          | <b>\$591,293</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 and Lauro Dam.



*Bradbury Dam*

Bradbury Dam: The fifteen percent obligation under the Bradbury SOD contract is \$7,605,739 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2019-20 is \$261,647 with assessments collected from the Member in accordance with each Member Agencies' Cachuma Project entitlement percentages.



*Lauro Dam*

Lauro 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 2019-20 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.



*EPFP Barge*

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.

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 2019-20 is reflected in Table 3.4 below.

**Table 3.4 – Betterment Fund Expenditures – FY 2019-20**

| <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 2019-20 is \$52,500.

**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.

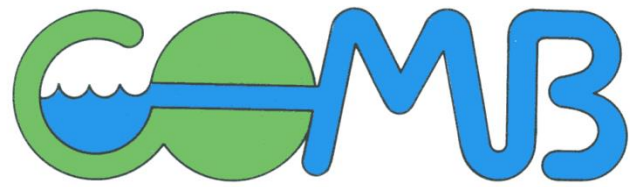
On November 4, 2014, California voters approved Proposition 1, the Water Quality, Supply, and Infrastructure Improvement Act of 2014. The Proposition 1 Integrated Regional Water Management Grant Program, administered by Department of Water Resources (“DWR”), provides funding for projects that:

- 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 including Santa Barbara County. The Santa Barbara IRWM Region expects to receive approximately \$6.3 million in Proposition 1 Project Implementation Round funding. COMB has submitted two projects for Round 1 consideration which is expected to occur in 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 IV - EXPENDITURES**





## SECTION IV – 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 is in the process of developing a comprehensive five-year Infrastructure Improvement Plan and Habitat Improvement Plan which will be presented to the Board of Directors on an annual basis for consideration and approval. 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 14 full time employees including three division managers, certified distribution operators, senior biology staff, a water resources engineer, and administrative personnel.

Personnel costs in FY 2019-20 are projected to total \$2.5 million, a 7.3% increase as compared to FY 2018-19. The increase is primarily attributed to a 2.95% 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 4.1 and Figure 4.1 provide a breakdown of the individual components of the projected Personnel costs for FY 2019-20 as compared to FY 2018-19.

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 2019-20, the classic member contribution rate is set at 4.2%.

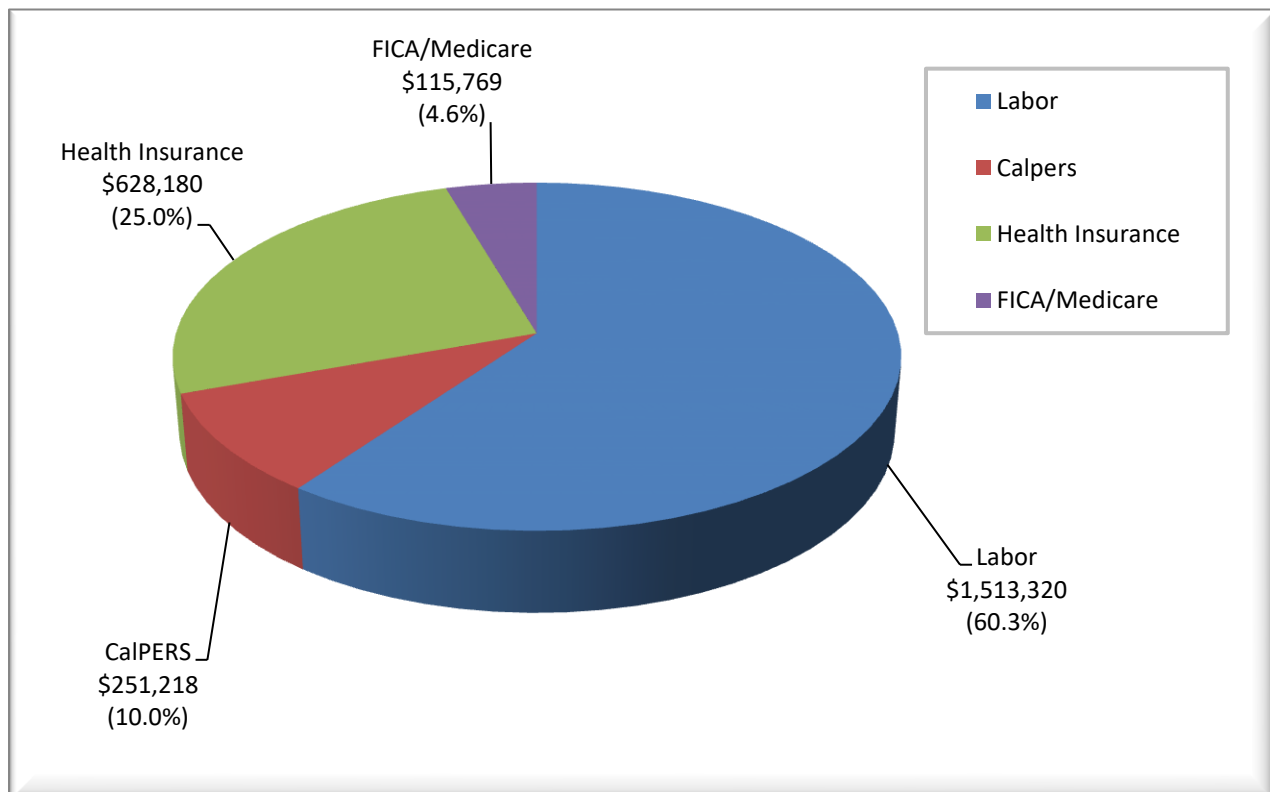
COMB also offers health insurance (medical, dental, vision & life), employee assistance program (EAP) and workers’ compensation through the Association of California Water Agencies Joint Powers Insurance Authority (ACWA/JPIA). ACWA/JPIA is dedicated to providing the broadest possible affordable insurance coverage and related services to its member agencies. Active and retiree health insurance premiums for FY 2018-19 reflect an increase between 3.5%-8.5% effective January 2020 as projected by ACWA/JPIA.

**Table 4.1 – FY 2019-20 Budgeted Personnel Costs**

| Category        | Adopted Budget<br>FY 2018-19 | Estimated Actual<br>FY 2018-19 | Final Budget<br>FY 2019-20 | Variance Analysis (*)  |                       |
|-----------------|------------------------------|--------------------------------|----------------------------|------------------------|-----------------------|
|                 |                              |                                |                            | \$ Higher /<br>(Lower) | % Higher /<br>(Lower) |
| Labor           | \$ 1,403,364                 | \$1,352,705                    | \$1,513,320                | \$109,956              | 7.8%                  |
| CalPERS         | 221,994                      | 216,165                        | 251,218                    | 29,224                 | 13.2%                 |
| Health Ins / WC | 605,122                      | 530,014                        | 628,180                    | 23,058                 | 3.8%                  |
| FICA/Medicare   | 107,357                      | 99,364                         | 115,769                    | 8,412                  | 7.8%                  |
| <b>Total</b>    | <b>\$ 2,337,836</b>          | <b>\$2,198,248</b>             | <b>\$2,508,486</b>         | <b>\$170,650</b>       | <b>7.3%</b>           |

(\*) Compares FY 2019-20 Final Budget to FY 2018-19 Adopted Budget

**Figure 4.1 – FY 2019-20 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 required to support the divisions include Vehicles & Equipment, Contract Labor, Materials & Supplies and Other Expenses. Projects and staff assignments are reviewed by the General Manager to control costs in this category. Table 4.2 includes a brief description of expenditures for each O&M category.

Operation and Maintenance expenditures in FY 2019-20 are projected to total \$371.5K, a 3.3% increase as compared to FY 2018-19. The Vehicles and Equipment line as reflected in Table 4.3, reflects costs to cover the purchase of a vehicle for the Fisheries 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 4.2 – Operation and Maintenance Expenditures Descriptions**

| <b>Category</b>        | <b>Operations</b>                                                                                                                                                                                                                                                               | <b>Fisheries</b>                                                                                                                                                                                                                                                                  |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 4.3 – FY 2019-20 Operation and Maintenance Costs

| Category               | Adopted Budget<br>FY 2018-19 | Estimated Actual<br>FY 2018-19 | Final Budget<br>FY 2019-20 | Variance Analysis (*)  |                       |
|------------------------|------------------------------|--------------------------------|----------------------------|------------------------|-----------------------|
|                        |                              |                                |                            | \$ Higher /<br>(Lower) | % Higher /<br>(Lower) |
| Vehicles & Equipment   | \$102,500                    | \$100,267                      | \$112,500                  | \$10,000               | 9.8%                  |
| Contract Labor         | 123,000                      | 122,568                        | 123,000                    | 0                      | 0.0%                  |
| Materials and Supplies | 85,000                       | 83,784                         | 85,000                     | 0                      | 0.0%                  |
| Other Expenses         | 49,000                       | 47,829                         | 51,000                     | 2,000                  | 4.1%                  |
| <b>Total</b>           | <b>\$359,500</b>             | <b>\$354,449</b>               | <b>\$371,500</b>           | <b>\$12,000</b>        | <b>3.3%</b>           |

(\*) Compares FY 2019-20 Final Budget to FY 2018-19 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 2019-20 are projected to total \$451.6K, a 23.9% increase as compared to FY 2018-19. The budget reflects an additional \$80k of anticipated litigation expenses. The budget further reflects a slight increase in computer consultant costs of \$3.5K to reflect the costs of an offsite network backup solution and new antivirus software installed in FY 2018-19. The postage and office supplies, miscellaneous expenses and membership dues line items increased slightly to accommodate current year projected actual expenses.



Table 4.4 provides a breakdown of the individual components of the projected General and Administrative costs for FY 2019-20 as compared to FY 2018-19.

Table 4.4 – FY 2019-20 General and Administrative Costs

| Category                    | Approved Budget<br>FY 2018-19 | Estimated Actuals<br>FY 2018-19 | Final Budget<br>FY 2019-20 | Variance Analysis (*) |                    |
|-----------------------------|-------------------------------|---------------------------------|----------------------------|-----------------------|--------------------|
|                             |                               |                                 |                            | \$ Higher / (Lower)   | % Higher / (Lower) |
| Director Fees               | \$20,000                      | \$13,312                        | \$20,000                   | \$0                   | 0.0%               |
| Audit                       | 35,000                        | 24,654                          | 35,000                     | 0                     | 0.0%               |
| Legal                       | 95,000                        | 74,330                          | 175,000                    | 80,000                | 84.2%              |
| Unemployment Insurance      | 5,000                         | 0                               | 5,000                      | 0                     | 0.0%               |
| General Liability Insurance | 75,296                        | 66,796                          | 75,296                     | 0                     | 0.0%               |
| Postage/Office Supplies     | 9,000                         | 9,108                           | 9,000                      | 0                     | 0.0%               |
| Office Equip/Leases         | 14,618                        | 14,276                          | 15,718                     | 1,100                 | 7.5%               |
| Misc. Admin Expense         | 19,000                        | 21,012                          | 21,500                     | 2,500                 | 13.2%              |
| Communications              | 14,305                        | 12,691                          | 14,305                     | 0                     | 0.0%               |
| Utilities                   | 14,980                        | 13,615                          | 14,980                     | 0                     | 0.0%               |
| Membership Dues             | 15,300                        | 15,526                          | 15,365                     | 65                    | 0.4%               |
| Admin Fixed Assets          | 6,000                         | 5,477                           | 6,000                      | 0                     | 0.0%               |
| Computer Consultant         | 22,000                        | 24,761                          | 25,500                     | 3,500                 | 15.9%              |
| Employee Education          | 4,500                         | 4,747                           | 4,500                      | 0                     | 0.0%               |
| Travel                      | 4,500                         | 3,165                           | 4,500                      | 0                     | 0.0%               |
| Public Info                 | 5,000                         | 4,696                           | 5,000                      | 0                     | 0.0%               |
| IRWM                        | 5,000                         | 5,115                           | 5,000                      | 0                     | 0.0%               |
| <b>Total</b>                | <b>\$364,499</b>              | <b>\$313,281</b>                | <b>\$451,664</b>           | <b>\$87,165</b>       | <b>23.9%</b>       |

(\*) Compares FY 2019-20 Budget to FY 2018-19 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. Tables 4.5 and 4.6 below are the projects identified for implementation during fiscal year 2019-20.

**Table 4.5 – FY 2019-20 Infrastructure Improvement Projects**

| Project Name                                      | Fiscal Year<br>2019-20 |
|---------------------------------------------------|------------------------|
| Sycamore Canyon Slope Stabilization               | \$605,242              |
| SCC Structure Rehabilitation                      | \$400,000              |
| SCC San Jose Creek Pipe Stabilization             | \$150,000              |
| SCC Isolation Valve - Lower Reach                 | \$150,000              |
| SCC Lower Reach Lateral Structures Rehabilitation | \$150,000              |

**Table 4.6 – FY 2019-20 Operations Division Special Projects**

| Project Name                                | Fiscal Year<br>2019-20 |
|---------------------------------------------|------------------------|
| Secured Pipeline Project                    | \$225,000              |
| Water Quality and Sediment Management Study | \$275,085              |

**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 4.7 below are the projects identified for implementation during fiscal year 2019-20.

**Table 4.7 – FY 2019-20 Habitat Improvement Projects**

| Project Name                              | Fiscal Year<br>2019-20 |
|-------------------------------------------|------------------------|
| Quiota Creek Crossing 8                   | \$1,176,000            |
| Cachuma Lake Oak Tree Restoration Program | \$30,000               |





## **SECTION V – COMB OPERATING BUDGET**





**Cachuma Operation and Maintenance Board  
Operating Budget  
Fiscal Year 2019-20**





**SECTION IV – COMB OPERATING BUDGET****Summary**

The Operating Budget reflects projected operating expenses for the COMB Operations Division, the Fisheries Division as well as the General and Administrative expenses for FY 2019-20. These projected expenditures have been refined through development of the annual work plan and applicable updates to the Infrastructure and Habitat Improvement Plans.

Development of the budget was based on zero-based budgeting methodology. Unlike traditional incremental budgeting, this methodology employs a detailed examination of expenditures wherein only the necessary budget amount for each line item is presented for discussion. This approach addresses the most fundamental and prioritized service needs and represents the minimum level of funding needed for effective operations.

The Gross Operating Budget for FY 2019-20 excluding offsetting revenues is \$6.8M as compared to the adopted FY 2018-19 Operating Budget of \$7.3M, which is a decrease of \$488k (6.7%).

The net change from the previous fiscal year is explained by the following items:

- A decrease in the Fisheries Division Habitat Improvement Projects of \$950K (43.6%). In FY 2018-19, COMB completed two fish passage improvement projects on Quiota Creek. One fish improvement project is projected to be completed in FY 2019-20.
- An increase in total Salaries and Benefits of \$171K (7.3%) which includes full staffing of 15 employees, a 2.95% COLA adjustment and a slight increase in the CalPERS obligation.
- An increase in total Operations and Maintenance of \$12K (3.3%) due to a small increase in fixed capital and vehicle fuel cost.
- An increase in General & Administrative Expenses of \$87K (23.9%) which includes anticipated litigation costs.
- An increase in the Operations Division Infrastructure Improvement Projects and Special Projects of \$202k (11.0%) attributable, in part, to Phase II of the Water Quality and Sediment Study scheduled to commence in FY 2019-20.

The Net Operating Budget including offsetting revenues for FY 2019-20 is \$4.6M and is compared to the adopted FY 2018-19 of \$4.3M, which is an increase of \$385k (9.1%). The net change from the previous year is attributable to a decrease in projected offsetting revenues. As noted in the previous paragraph, COMB plans to complete one fish passage improvement project in FY 2019-20. The resulting decrease in corresponding grant revenue from the California Department of Fish and Wildlife Grant Funding is \$876K (46.42%).

**Labor**

The budget reflects current salaries and benefits package for all employees including the General Manager's position. The budget includes a 2.95% COLA for all employees, excluding the General Manager, per the historical annual calculation which is based on the March Consumer Price Index (CPI) data each year. The calculation 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. March data indicates a 2.95% increase for the COLA calculation during this time period.

**Operations Division***Operations and Maintenance Expenses*

The Operations Division O & M expenses show an 11.43% increase overall. The labor line item increased by 17.08% and is attributed to the increase in COLA, as well as, vacant positions that were filled during fiscal year 2018-19 including a Program Analyst and a Water Service Worker I. Additionally, the CALPERS line item reflects an increase in cost primarily due to an increase in the annual Unfunded Liability obligation as factored under the CALPERS 30-year amortization policy and pursuant to the Public Employee Pension Reform Act of 2013.

The fixed capital line item reflects a \$15k decrease. FY 2018-19 budget included a cost to replace one of the fleet vehicles which was purchased in April 2019.

*General and Administrative Expenses*

Overall, the Operations Division G & A expenses increased 2.08% percent as compared to the previous year budget. Active and retiree health insurance premiums are expected to increase by 3-8.5% in January 2020 as projected by ACWA/JPIA. The CALPERS line item reflects an increase costs primarily due to an increase in the Unfunded Liability amortization as previously described.

The office equipment / leases and computer consultant line items increased slightly to accommodate current year projected actual expenses.

Under Special G & A expenses, it is anticipated that the administrative costs for IRWMP Proposition 1 grants will remain the same as the prior fiscal year.

*Infrastructure Improvement Projects*

The Infrastructure Improvement Projects (IIP) section in the Operations Division section of the budget reflects a slight increase of \$75.8K (5.2%) as compared to the prior year. 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. Included for the Fiscal Year 2019-20 budget are the South Coast Conduit (SCC) Air Vacuum Air Release Valve (AVAR) and



Blow-Off Valve replacement project, the Sycamore Canyon Slope Stabilization project, the SCC Isolation Valve evaluation, the SCC Lower Reach Lateral Structure project and the SCC San Jose Creek Pipe Stabilization evaluation. Per Board policy, all improvement projects will require approval through the applicable Committee and Board review process prior to implementation.

### Special Projects

In 2018, COMB hired a specialized submerged pipeline design consultant to provide a pipe suitability analysis, weight design and deployment analysis, and a pump station connection and ROM opinion of probable construction cost. COMB plans to pursue final design for a bottom-mounted pipeline to Site 1 in FY 2019-20. Following Board approval, the project would be installed during the next drought when the appropriate lake level is reached for implementation and construction.

In FY 2018-19, a Lake Cachuma water quality and sedimentation plan was approved with the objective of developing management actions as part of a program to address surface water quality due to the recent watershed fires. 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 FY 2019-20 budget includes costs associated with Phase II of the approved project.

### **Fisheries Division**

#### *Operation and Maintenance Expenses*

The Fisheries Division Labor Account shows a slight increase compared to the prior fiscal year primarily due to the proposed increase in COLA, as well as, projected staff salary step increases and is offset by a slight reduction in health care costs. Overall, the operation and maintenance expenses show a 4.86% increase as compared to the prior fiscal year budget.

The fixed capital line item reflects a \$20k increase to cover the purchase of a new vehicle for the division in accordance with COMB Vehicle Replacement Matrix.

#### *General and Administrative Expenses*

General and administrative expenses reflect costs for support related to the Fisheries Division administrative function. Administrative salaries and associated CalPERS costs also increased slightly as compared to the past fiscal year due to the aforementioned proposed COLA increase and increase associated with the CALPERS Unfunded Liability Amortization. Legal costs include an additional \$80k in anticipated litigation expenses. The postage and office supplies, miscellaneous expenses and membership dues line items increased slightly to accommodate current year projected actual expenses. Overall, the Fisheries Division General and Administrative expenses increased \$89.3K (25.6%).

*Program Support Services and Habitat Improvement Plan Projects*

Program support services within the Fisheries Division incorporate all monitoring, mapping and reporting tasks required for implementation of the Cachuma Project Biological Opinion (BO) and Lower Santa Ynez River (LSYR) Fisheries Management Plan (FMP). The BO/FMP line item has been decreased by 6.8% due to less reliance on external consultants. The County Betterment Fund offset for this program of work is \$90k.

The Habitat Improvement Projects includes the construction of one fish passage improvement project along Quiota Creek in FY 2019-20. Grant funding has been secured for this project in the amount of \$1,010,700. Per Board policy, all improvement projects will require approval through the applicable Committee and Board review process prior to implementation. COMB completed two similar projects in FY 2018-19.

---

In summary, the COMB gross FY 2019-20 Operating Budget is \$6,766,977. The development of a long term strategic financial plan to support large scale infrastructure improvement projects is underway. In addition, staff research on potential grant funding opportunities continues throughout the fiscal year. With projected offsetting revenues of \$2,142,975, the net FY 2019-20 COMB Budget totals \$4,624,002.

**LIST OF TABLES:**

- 1) Table 5.1 - FY 2019-20 COMB Operating Budget: Consolidated Overview
- 2) Table 5.2 - FY 2019-20 COMB Operating Budget: By Division
- 3) Table 5.3 - FY 2019-20 COMB Operating Budget: O&M Expenses Consolidated
- 4) Table 5.4 - FY 2019-20 COMB Operating Budget: G&A Expenses Consolidated
- 5) Table 5.5 - FY 2019-20 COMB Allocation Worksheet
- 6) FY 2018-19 COMB Budget Summary

Table 5.1- COMB Operating Budget: Consolidated Overview

| COMB OPERATING BUDGET                                                         |                     |                     |                     |                   |
|-------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-------------------|
| <b>SALARIES &amp; BENEFITS</b>                                                | <b>FY 2018-19</b>   | <b>FY 2019-20</b>   | <b>Change (\$)</b>  | <b>Change (%)</b> |
| Operations Division                                                           | \$ 813,247          | \$ 952,164          | \$ 138,917          | 17.1%             |
| Fisheries Division                                                            | 692,409             | 704,515             | \$ 12,105           | 1.7%              |
| Administration                                                                | 832,180             | 851,808             | \$ 19,627           | 2.4%              |
| <b>TOTAL</b>                                                                  | <b>\$ 2,337,836</b> | <b>\$ 2,508,486</b> | <b>\$ 170,650</b>   | <b>7.3%</b>       |
| <b>OPERATIONS &amp; MAINTENANCE EXPENSES</b>                                  |                     |                     |                     |                   |
| Operations Division                                                           | \$ 288,500          | \$ 275,500          | \$ (13,000)         | -4.5%             |
| Fisheries Division                                                            | 71,000              | 96,000              | \$ 25,000           | 35.2%             |
| <b>TOTAL</b>                                                                  | <b>\$ 359,500</b>   | <b>\$ 371,500</b>   | <b>\$ 12,000</b>    | <b>3.3%</b>       |
| <b>GENERAL &amp; ADMINISTRATIVE EXPENSES</b>                                  |                     |                     |                     |                   |
| Operation Division                                                            | \$ 250,083          | \$ 254,148          | \$ 4,065            | 1.6%              |
| Fisheries Division                                                            | 114,416             | 197,516             | \$ 83,100           | 72.6%             |
| <b>TOTAL</b>                                                                  | <b>\$ 364,499</b>   | <b>\$ 451,664</b>   | <b>\$ 87,165</b>    | <b>23.9%</b>      |
| <b>Total Operating Budget</b>                                                 | <b>\$ 3,061,835</b> | <b>\$ 3,331,650</b> | <b>\$ 269,815</b>   | <b>8.8%</b>       |
| <b>INFRASTRUCTURE IMPROVEMENT, HABITAT IMPROVEMENT &amp; SPECIAL PROJECTS</b> |                     |                     |                     |                   |
| <b>Operations Division</b>                                                    |                     |                     |                     |                   |
| Infrastructure Improvement Projects                                           | \$ 1,469,400        | \$1,545,242         | \$ 75,842           | 5.2%              |
| Special Projects                                                              | 373,583             | 500,085             | \$ 126,502          | 33.9%             |
| <b>Fisheries Division</b>                                                     |                     |                     |                     |                   |
| Habitat Improvement Projects                                                  | \$ 2,173,996        | \$ 1,226,000        | \$ (947,996)        | -43.6%            |
| Program Support Services                                                      | \$ 176,000          | \$ 164,000          | \$ (12,000)         | -6.8%             |
| <b>Total Gross Operating Budget</b>                                           | <b>\$ 7,254,814</b> | <b>\$ 6,766,977</b> | <b>\$ (487,837)</b> | <b>-6.7%</b>      |
| Projected Offsetting Revenues                                                 | \$ (3,015,929)      | \$ (2,142,975)      |                     |                   |
| <b>Total Net Operating Budget</b>                                             | <b>\$ 4,238,885</b> | <b>\$ 4,624,002</b> | <b>\$ 385,117</b>   | <b>9.1%</b>       |

Table 5.2- COMB Operating Budget: By Division

| Account Number                              | Account Name                   | FY 2018-19 Adopted Budget | FY 2018-19 Estimated Actuals | FY 2019-20 Final Budget | Variance ^<br>\$ Higher / (Lower) Percentage Change |                |
|---------------------------------------------|--------------------------------|---------------------------|------------------------------|-------------------------|-----------------------------------------------------|----------------|
| <b>OPERATIONS DIVISION</b>                  |                                |                           |                              |                         |                                                     |                |
| <b>OPERATION &amp; MAINTENANCE EXPENSES</b> |                                |                           |                              |                         |                                                     |                |
| <b>SALARIES &amp; BENEFITS</b>              |                                |                           |                              |                         |                                                     |                |
| 3100                                        | LABOR - Operations Field Crew  | \$ 510,809                | \$ 494,196                   | \$ 601,352              | \$ 90,543                                           |                |
| 3155                                        | CALPERS                        | 74,234                    | 74,220                       | 88,968                  | 14,733                                              |                |
| 3150                                        | HEALTH INSURANCE               | 163,420                   | 148,208                      | 185,452                 | 22,032                                              |                |
| 3150                                        | WORKERS COMPENSATION INSURANCE | 25,707                    | 17,380                       | 30,390                  | 4,683                                               |                |
| 3160                                        | FICA                           | 39,077                    | 38,821                       | 46,003                  | 6,927                                               |                |
|                                             | <b>TOTAL</b>                   | <b>\$ 813,247</b>         | <b>\$ 772,825</b>            | <b>\$ 952,164</b>       | <b>\$ 138,917</b>                                   | <b>17.08%</b>  |
| <b>VEHICLES &amp; EQUIPMENT</b>             |                                |                           |                              |                         |                                                     |                |
| 3201                                        | VEHICLE/EQUIP MTCE             | \$ 30,000                 | \$ 28,300                    | \$ 30,000               | \$ -                                                |                |
| 3202                                        | FIXED CAPITAL                  | 30,000                    | 30,010                       | 15,000                  | (15,000)                                            |                |
| 3203                                        | EQUIPMENT RENTAL               | 5,000                     | 3,698                        | 5,000                   | -                                                   |                |
| 3204                                        | MISC                           | 5,000                     | 4,343                        | 5,000                   | -                                                   |                |
|                                             | <b>TOTAL</b>                   | <b>\$ 70,000</b>          | <b>\$ 66,351</b>             | <b>\$ 55,000</b>        | <b>\$ (15,000)</b>                                  | <b>-21.43%</b> |
| <b>CONTRACT LABOR</b>                       |                                |                           |                              |                         |                                                     |                |
| 3301                                        | CONDUIT, METER, VALVE          | \$ 20,000                 | \$ 20,000                    | \$ 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                    | 25,000                       | 25,000                  | -                                                   |                |
|                                             | <b>TOTAL</b>                   | <b>\$ 95,000</b>          | <b>\$ 95,000</b>             | <b>\$ 95,000</b>        | <b>\$ -</b>                                         | <b>0.00%</b>   |
| <b>MATERIALS &amp; SUPPLIES</b>             |                                |                           |                              |                         |                                                     |                |
| 3401                                        | CONDUIT, METER, VALVE & MISC   | \$ 65,000                 | \$ 65,000                    | \$ 65,000               | \$ -                                                |                |
| 3402                                        | BUILDINGS & ROADS              | 8,000                     | 7,250                        | 8,000                   | -                                                   |                |
| 3403                                        | RESERVOIRS                     | 5,000                     | 4,875                        | 5,000                   | -                                                   |                |
|                                             | <b>TOTAL</b>                   | <b>\$ 78,000</b>          | <b>\$ 77,125</b>             | <b>\$ 78,000</b>        | <b>\$ -</b>                                         | <b>0.00%</b>   |
| <b>OTHER EXPENSES</b>                       |                                |                           |                              |                         |                                                     |                |
| 3501                                        | UTILITIES                      | \$ 7,000                  | \$ 6,197                     | \$ 7,000                | \$ -                                                |                |
| 3502                                        | UNIFORMS                       | 5,000                     | 5,000                        | 5,000                   | -                                                   |                |
| 3503                                        | COMMUNICATIONS                 | 18,500                    | 20,000                       | 20,500                  | 2,000                                               |                |
| 3504                                        | USA & OTHER SERVICES           | 4,000                     | 3,260                        | 4,000                   | -                                                   |                |
| 3505                                        | MISC                           | 8,000                     | 9,885                        | 8,000                   | -                                                   |                |
| 3506                                        | TRAINING                       | 3,000                     | 237                          | 3,000                   | -                                                   |                |
|                                             | <b>TOTAL</b>                   | <b>\$ 45,500</b>          | <b>\$ 44,579</b>             | <b>\$ 47,500</b>        | <b>\$ 2,000</b>                                     | <b>4.40%</b>   |
|                                             | <b>TOTAL O &amp; M EXPENSE</b> | <b>\$ 1,101,747</b>       | <b>\$ 1,055,880</b>          | <b>\$ 1,227,664</b>     | <b>\$ 125,917</b>                                   | <b>11.43%</b>  |



Table 5.2- COMB Operating Budget: By Division (Cont'd.)

| Account Number                                | Account Name                                    | FY 2018-19 Adopted Budget | FY 2018-19 Estimated Actuals | FY 2019-20 Final Budget | Variance ^ \$ Higher / (Lower) | Percentage Change |
|-----------------------------------------------|-------------------------------------------------|---------------------------|------------------------------|-------------------------|--------------------------------|-------------------|
| <b>OPERATIONS DIVISION</b>                    |                                                 |                           |                              |                         |                                |                   |
| <b>GENERAL AND ADMINISTRATIVE EXPENSES</b>    |                                                 |                           |                              |                         |                                |                   |
| 5000                                          | DIRECTORS FEES                                  | \$ 13,000                 | \$ 9,353                     | \$ 13,000               | \$ -                           |                   |
| 5100                                          | AUDIT                                           | 22,750                    | 16,000                       | 22,750                  | -                              |                   |
| 5101                                          | LEGAL                                           | 75,000                    | 72,644                       | 75,000                  | -                              |                   |
| 5150                                          | UNEMPLOYMENT INSURANCE                          | 5,000                     | -                            | 5,000                   | -                              |                   |
| 5200                                          | LIABILITY & PROPERTY INSURANCE                  | 50,551                    | 43,542                       | 50,551                  | -                              |                   |
| 5201                                          | HEALTH insurance, W/C, Retirees medical         | 234,051                   | 223,231                      | 235,103                 | 1,052                          |                   |
| 5250                                          | CALPERS                                         | 52,325                    | 48,996                       | 58,894                  | 6,568                          |                   |
| 5339                                          | FICA/MEDICARE                                   | 22,114                    | 16,599                       | 22,526                  | 412                            |                   |
| 5300-5307                                     | ADMINISTRATIVE SALARIES                         | 289,071                   | 280,007                      | 294,462                 | 5,391                          |                   |
| 5310                                          | POSTAGE / OFFICE SUPPLIES                       | 5,000                     | 5,244                        | 5,000                   | -                              |                   |
| 5311                                          | OFFICE EQUIPMENT / LEASES                       | 9,200                     | 8,304                        | 9,200                   | -                              |                   |
| 5312                                          | MISC. ADMIN. EXP.                               | 11,500                    | 14,759                       | 14,000                  | 2,500                          |                   |
| 5313                                          | COMMUNICATIONS                                  | 8,500                     | 7,234                        | 8,500                   | -                              |                   |
| 5314                                          | UTILITIES                                       | 9,737                     | 8,330                        | 9,737                   | -                              |                   |
| 5315                                          | MEMBERSHIP DUES                                 | 9,345                     | 9,137                        | 9,410                   | 65                             |                   |
| 5316                                          | ADMIN. FIXED ASSETS                             | 3,000                     | 2,585                        | 3,000                   | -                              |                   |
| 5318                                          | COMPUTER CONSULTANT                             | 15,000                    | 16,144                       | 16,500                  | 1,500                          |                   |
| 5325                                          | EMPLOYEE EDUCATION/TRAINING                     | 2,000                     | 1,793                        | 2,000                   | -                              |                   |
| 5330                                          | ADMIN TRAV & CONFERENCES                        | 2,000                     | 1,500                        | 2,000                   | -                              |                   |
| 5331                                          | PUBLIC INFO                                     | 3,500                     | 2,886                        | 3,500                   | -                              |                   |
| <b>TOTAL GENERAL &amp; ADMINISTRATIVE</b>     |                                                 | <b>\$ 842,644</b>         | <b>\$ 788,290</b>            | <b>\$ 860,132</b>       | <b>\$ 17,488</b>               | <b>2.08%</b>      |
| <b>SPECIAL G &amp; A EXPENSES</b>             |                                                 |                           |                              |                         |                                |                   |
| 5510                                          | Integrated Regional Water Mgmt Plan             | \$ 5,000                  | \$ 5,115                     | \$ 5,000                | \$ -                           |                   |
| <b>TOTAL SPECIAL G &amp; A EXPENSES</b>       |                                                 | <b>\$ 5,000</b>           | <b>\$ 5,115</b>              | <b>\$ 5,000</b>         | <b>\$ -</b>                    | <b>0.00%</b>      |
| <b>INFRASTRUCTURE IMPROVEMENT PROJECTS **</b> |                                                 |                           |                              |                         |                                |                   |
| 6062                                          | SCADA                                           | \$ 20,000                 | \$ 19,320                    | \$ 35,000               | \$ 15,000                      |                   |
| 6090                                          | COMB Bldg/Grounds Repair                        | 200,000                   | 200,000                      | 25,000                  | (175,000)                      |                   |
| 6096                                          | SCC Structure Rehabilitation (AVAR / BO Valves) | 484,400                   | 530,432                      | 400,000                 | (84,400)                       |                   |
| 6097                                          | GIS and Mapping                                 | 10,000                    | 8,658                        | 10,000                  | -                              |                   |
| 6105                                          | ROW Identification Program                      | 20,000                    | 18,675                       | 20,000                  | -                              |                   |
| 6118                                          | Repair Lateral 3 Structure                      | 100,000                   | 88,385                       | 0                       | (100,000)                      |                   |
| 6122                                          | Rehabilitate San Antonio Creek Blow-off         | 60,000                    | 73,296                       | 0                       | (60,000)                       |                   |
| 6132                                          | Sycamore Canyon Slope Stabilization             | 500,000                   | 30,371                       | 605,242                 | 105,242                        |                   |
| 6135                                          | SCC San Jose Creek Pipe Stabilization           | -                         | -                            | 150,000                 | 150,000                        |                   |
| 6136                                          | SCC Isolation Valve Installation                | 25,000                    | 25,000                       | 150,000                 | 125,000                        |                   |
| 6137                                          | SCC Lower Reach Lateral Structures              | 50,000                    | 40,300                       | 150,000                 | 100,000                        |                   |
| <b>TOTALS</b>                                 |                                                 | <b>\$ 1,469,400</b>       | <b>\$ 1,034,437</b>          | <b>\$ 1,545,242</b>     | <b>\$ 75,842</b>               | <b>5.16%</b>      |
| <b>TOTAL IIP Net Budget</b>                   |                                                 | <b>\$ 1,469,400</b>       | <b>\$ 1,034,437</b>          | <b>1,545,242</b>        | <b>\$ 75,842</b>               | <b>5.16%</b>      |
| <b>SPECIAL PROJECTS</b>                       |                                                 |                           |                              |                         |                                |                   |
| 6120                                          | Secured Pipeline Project                        | \$ 230,000                | \$ 85,142                    | \$ 225,000              | (5,000)                        |                   |
| 6138                                          | Water Quality and Sediment Management Study     | 143,583                   | 143,583                      | 275,085                 | 131,502                        |                   |
| <b>TOTAL SPECIAL PROJECTS</b>                 |                                                 | <b>\$ 373,583</b>         | <b>\$ 228,725</b>            | <b>\$ 500,085</b>       | <b>\$ 126,502</b>              |                   |
| <b>TOTAL IIP and SPECIAL PROJECTS</b>         |                                                 | <b>\$ 1,842,983</b>       | <b>\$ 1,263,162</b>          | <b>\$ 2,045,327</b>     | <b>202,344</b>                 | <b>10.98%</b>     |
| <b>TOTAL OPERATIONS DIVISION BUDGET</b>       |                                                 | <b>\$ 3,792,374</b>       | <b>\$ 3,112,447</b>          | <b>\$ 4,138,123</b>     | <b>345,749</b>                 | <b>9.12%</b>      |

Table 5.2- COMB Operating Budget: By Division (Cont'd.)

| Account Number                              | Account Name                | FY 2018-19 Adopted Budget | FY 2018-19 Estimated Actuals | FY 2019-20 Final Budget | Variance <sup>^</sup><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  | \$ 379,830                | \$ 378,310                   | \$ 390,950              | \$ 11,120                                                      |               |
| 4114                                        | LABOR - Seasonal Field Crew | 68,000                    | 49,418                       | 68,000                  | -                                                              |               |
| 4151                                        | CALPERS                     | 67,259                    | 66,566                       | 71,645                  | 4,386                                                          |               |
| 4150                                        | HEALTH INSURANCE            | 120,669                   | 100,478                      | 115,862                 | (4,807)                                                        |               |
| 4150                                        | WORKERS COMPENSATION        | 22,392                    | 13,700                       | 22,948                  | 556                                                            |               |
| 4152                                        | FICA                        | 34,259                    | 35,034                       | 35,110                  | 851                                                            |               |
| <b>TOTAL</b>                                |                             | <b>\$ 692,409</b>         | <b>\$ 643,506</b>            | <b>\$ 704,515</b>       | <b>\$ 12,105</b>                                               | <b>1.75%</b>  |
| <b>VEHICLES &amp; EQUIPMENT</b>             |                             |                           |                              |                         |                                                                |               |
| 4270                                        | VEHICLE/EQUIP MTCE          | \$ 15,000                 | \$ 17,194                    | \$ 20,000               | \$ 5,000                                                       |               |
| 4280                                        | FIXED CAPITAL               | 15,000                    | 14,500                       | 35,000                  | 20,000                                                         |               |
| 4290                                        | MISCELLANEOUS               | 2,500                     | 2,222                        | 2,500                   | -                                                              |               |
| <b>TOTAL</b>                                |                             | <b>\$ 32,500</b>          | <b>\$ 33,917</b>             | <b>\$ 57,500</b>        | <b>\$ 25,000</b>                                               | <b>76.92%</b> |
| <b>CONTRACT LABOR</b>                       |                             |                           |                              |                         |                                                                |               |
| 4220                                        | METERS & VALVES             | \$ 3,000                  | \$ 2,800                     | \$ 3,000                | \$ -                                                           |               |
| 4222                                        | PROJECTS MAINTENANCE        | 25,000                    | 24,768                       | 25,000                  | -                                                              |               |
| <b>TOTAL</b>                                |                             | <b>\$ 28,000</b>          | <b>\$ 27,568</b>             | <b>\$ 28,000</b>        | <b>\$ -</b>                                                    | <b>0.00%</b>  |
| <b>MATERIALS &amp; SUPPLIES</b>             |                             |                           |                              |                         |                                                                |               |
| 4390                                        | MISCELLANEOUS               | \$ 7,000                  | \$ 6,659                     | \$ 7,000                | \$ -                                                           |               |
| <b>TOTAL</b>                                |                             | <b>\$ 7,000</b>           | <b>\$ 6,659</b>              | <b>\$ 7,000</b>         | <b>\$ -</b>                                                    | <b>0.00%</b>  |
| <b>OTHER EXPENSES</b>                       |                             |                           |                              |                         |                                                                |               |
| 4502                                        | UNIFORMS                    | \$ 3,500                  | \$ 3,250                     | \$ 3,500                | \$ -                                                           |               |
| <b>TOTAL</b>                                |                             | <b>\$ 3,500</b>           | <b>\$ 3,250</b>              | <b>\$ 3,500</b>         | <b>\$ -</b>                                                    | <b>0.00%</b>  |
| <b>TOTAL O &amp; M EXPENSE</b>              |                             | <b>\$ 763,409</b>         | <b>\$ 714,900</b>            | <b>\$ 800,515</b>       | <b>\$ 37,105</b>                                               | <b>4.86%</b>  |

**FISHERIES DIVISION****GENERAL AND ADMINISTRATIVE EXPENSES**

|                                           |                                  |                   |                   |                   |                  |               |
|-------------------------------------------|----------------------------------|-------------------|-------------------|-------------------|------------------|---------------|
| 5426                                      | DIRECTORS FEES                   | \$ 7,000          | \$ 3,959          | \$ 7,000          | \$ -             |               |
| 5407                                      | LEGAL                            | 20,000            | 1,687             | 100,000           | 80,000           |               |
| 5441                                      | AUDIT                            | 12,250            | 8,654             | 12,250            | -                |               |
| 5443                                      | LIABILITY & PROPERTY INSURANCE   | 24,745            | 23,254            | 24,745            | -                |               |
| 5401                                      | HEALTH BENEFITS & W/C            | 38,883            | 27,017            | 38,425            | (457)            |               |
| 5402                                      | PERS                             | 28,175            | 26,383            | 31,712            | 3,537            |               |
| 5403                                      | FICA/MEDICARE                    | 11,907            | 8,910             | 12,130            | 222              |               |
| 5404-09                                   | ADMINISTRATIVE SALARIES          | 155,654           | 150,773           | 158,556           | 2,903            |               |
| 5410                                      | POSTAGE / OFFICE SUPPLIES        | 4,000             | 3,864             | 4,000             | -                |               |
| 5411                                      | OFFICE EQUIPMENT / LEASES        | 5,418             | 5,972             | 6,518             | 1,100            |               |
| 5412                                      | MISC. ADMIN. EXP.                | 7,500             | 6,253             | 7,500             | -                |               |
| 5413                                      | COMMUNICATIONS                   | 5,805             | 5,457             | 5,805             | -                |               |
| 5414                                      | UTILITIES                        | 5,243             | 5,285             | 5,243             | -                |               |
| 5415                                      | MEMBERSHIP DUES                  | 5,955             | 6,389             | 5,955             | -                |               |
| 5416                                      | ADMIN. FIXED ASSETS              | 3,000             | 2,892             | 3,000             | -                |               |
| 5418                                      | COMPUTER CONSULTANT              | 7,000             | 8,616             | 9,000             | 2,000            |               |
| 5425                                      | EMPLOYEE EDUCATION/SUBSCRIPTIONS | 2,500             | 2,954             | 2,500             | -                |               |
| 5430                                      | ADMIN TRAV & CONFERENCES         | 2,500             | 1,665             | 2,500             | -                |               |
| 5431                                      | PUBLIC INFO                      | 1,500             | 1,810             | 1,500             | -                |               |
| <b>TOTAL GENERAL &amp; ADMINISTRATIVE</b> |                                  | <b>\$ 349,035</b> | <b>\$ 301,793</b> | <b>\$ 438,339</b> | <b>\$ 89,304</b> | <b>25.59%</b> |

Table 5.2- COMB Operating Budget: By Division (Cont'd.)

| Account Number                                | Account Name                          | FY 2018-19 Adopted Budget | FY 2018-19 Estimated Actuals | FY 2019-20 Final Budget | Variance ^          |                   |
|-----------------------------------------------|---------------------------------------|---------------------------|------------------------------|-------------------------|---------------------|-------------------|
|                                               |                                       |                           |                              |                         | \$ Higher / (Lower) | Percentage Change |
| <b>FISHERIES DIVISION</b>                     |                                       |                           |                              |                         |                     |                   |
| <b>PROGRAM SUPPORT SERVICES</b>               |                                       |                           |                              |                         |                     |                   |
| 6201                                          | BO/FMP Implementation                 | \$ 45,000                 | \$ 31,250                    | \$ 33,000               | \$ (12,000)         |                   |
| 6202                                          | GIS and Mapping                       | 10,000                    | 8,760                        | 10,000                  | -                   |                   |
| 6203                                          | Grants Technical Support              | 10,000                    | 9,823                        | 10,000                  | -                   |                   |
| 6204                                          | SYR Hydrology Technical Support       | 6,000                     | 6,000                        | 6,000                   | -                   |                   |
| 6205                                          | USGS Stream Gauge Program             | 100,000                   | 94,034                       | 100,000                 | -                   |                   |
| 6206                                          | Tri County Fish Team Funding          | 5,000                     | 5,000                        | 5,000                   | -                   |                   |
| <b>TOTAL PROGRAM SUPPORT SERVICES</b>         |                                       | <b>\$ 176,000</b>         | <b>\$ 154,867</b>            | <b>\$ 164,000</b>       | <b>\$ (12,000)</b>  | <b>-6.82%</b>     |
| <b>HABITAT IMPROVEMENT PROJECTS **</b>        |                                       |                           |                              |                         |                     |                   |
| 6207                                          | Oak Tree Restoration Program          | \$ 40,000                 | \$ 21,050                    | \$ 30,000               | \$ (10,000)         |                   |
| 6303                                          | Tributary Project Improvements        | 20,000                    | 20,571                       | 20,000                  | -                   |                   |
| 6315                                          | Quiota Creek Crossing 8               | 30,000                    | 30,000                       | 1,176,000               | 1,146,000           |                   |
| 6316                                          | Quiota Creek Crossing 5               | 960,000                   | 942,205                      | 0                       | (960,000)           |                   |
| 6317                                          | Salsipuedes Fish Ladder Repair        | 8,000                     | -                            | 0                       | (8,000)             |                   |
| 6318                                          | Quiota Creek Crossing 9               | 1,115,996                 | 1,102,328                    | 0                       | (1,115,996)         |                   |
| <b>TOTAL HABITAT IMPROVEMENT PROJECTS</b>     |                                       | <b>\$ 2,173,996</b>       | <b>\$ 2,116,154</b>          | <b>\$ 1,226,000</b>     | <b>\$ (947,996)</b> | <b>-43.61%</b>    |
| <b>TOTAL HIP AND PROGRAM SUPPORT SERVICES</b> |                                       | <b>\$ 2,349,996</b>       | <b>\$ 2,271,021</b>          | <b>\$ 1,390,000</b>     | <b>\$ (959,996)</b> | <b>-40.85%</b>    |
| <b>TOTAL FISHERIES DIVISION BUDGET</b>        |                                       | <b>\$ 3,462,440</b>       | <b>\$ 3,287,715</b>          | <b>\$ 2,628,854</b>     | <b>\$ (833,586)</b> | <b>-24.08%</b>    |
| <b>TOTAL COMB GROSS OPERATING BUDGET</b>      |                                       | <b>\$ 7,254,814</b>       | <b>\$ 6,400,162</b>          | <b>\$ 6,766,977</b>     | <b>\$ (487,837)</b> | <b>-6.72%</b>     |
| <b>Projected Offsetting Revenues:</b>         |                                       |                           |                              |                         |                     |                   |
|                                               | Warren Act Trust Fund*                | \$ (539,521)              |                              | \$ (591,523)            |                     |                   |
|                                               | Santa Barbara County Contribution     | (90,000)                  |                              | (90,000)                |                     |                   |
|                                               | CDFW Grant Funding - QC Crossing 5    | (893,287)                 |                              | -                       |                     |                   |
|                                               | CDFW Grant Funding - QC Crossing 9    | (993,121)                 |                              | -                       |                     |                   |
|                                               | CDFW Grant Funding - QC Crossing 8    | -                         |                              | (1,010,700)             |                     |                   |
|                                               | FEMA Assistance - Sycamore Canyon     |                           |                              | (450,752)               |                     |                   |
|                                               | Projected Unexpended Funds FY 2017-18 | (500,000)                 |                              | -                       |                     |                   |
|                                               | <b>Total Offsetting Revenues</b>      | <b>\$ (3,015,929)</b>     |                              | <b>\$ (2,142,975)</b>   |                     |                   |
| <b>TOTAL COMB NET OPERATING BUDGET</b>        |                                       | <b>\$ 4,238,885</b>       |                              | <b>\$ 4,624,002</b>     | <b>\$ 385,117</b>   | <b>9.09%</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 3.06% COLA increase per annual calculation  
\* Special purpose restricted fund  
^ Compares FY 2019-20 Draft Budget to FY 2018-19 Adopted Budget

**Special Note:**

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

Table 5.3- COMB Operating Budget: O&amp;M Expenses Consolidated

| Account Name                           |                     |                   |                     |                     |                   |                     |
|----------------------------------------|---------------------|-------------------|---------------------|---------------------|-------------------|---------------------|
| OPERATION & MAINTENANCE EXPENSES       | FY 2018-19          |                   |                     | FY 2019-20          |                   |                     |
|                                        | Operations          | Fisheries         | Total               | Operations          | Fisheries         | Total               |
| <b>LABOR</b>                           |                     |                   |                     |                     |                   |                     |
| LABOR - Field Crews                    | \$ 510,809          | \$ 447,830        | \$ 958,639          | \$ 601,352          | \$ 458,950        | \$ 1,060,302        |
| CALPERS                                | 74,234              | 67,259            | 141,493             | 88,968              | 71,645            | 160,612             |
| HEALTH INSURANCE                       | 163,420             | 120,669           | 284,090             | 185,452             | 115,862           | 301,314             |
| WORKERS COMPENSATION INSURANCE         | 25,707              | 22,392            | 48,098              | 30,390              | 22,948            | 53,337              |
| FICA                                   | 39,077              | 34,259            | 73,336              | 46,003              | 35,110            | 81,113              |
| <b>TOTAL</b>                           | <b>\$ 813,247</b>   | <b>\$ 692,409</b> | <b>\$ 1,505,656</b> | <b>\$ 952,164</b>   | <b>\$ 704,515</b> | <b>\$ 1,656,679</b> |
| <b>VEHICLES &amp; EQUIPMENT</b>        |                     |                   |                     |                     |                   |                     |
| VEHICLE/EQUIP MTCE                     | \$ 30,000           | \$ 15,000         | \$ 45,000           | \$30,000            | \$ 20,000         | \$ 50,000           |
| FIXED CAPITAL                          | 30,000              | 15,000            | 45,000              | 15,000              | 35,000            | 50,000              |
| 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>\$ 70,000</b>    | <b>\$ 32,500</b>  | <b>\$ 102,500</b>   | <b>\$ 55,000</b>    | <b>\$ 57,500</b>  | <b>\$ 112,500</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               | 3,500             | 8,500               | 5,000               | 3,500             | 8,500               |
| COMMUNICATIONS                         | 18,500              | 0                 | 18,500              | 20,500              | 0                 | 20,500              |
| 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>\$ 45,500</b>    | <b>\$ 3,500</b>   | <b>\$ 49,000</b>    | <b>\$ 47,500</b>    | <b>\$ 3,500</b>   | <b>\$ 51,000</b>    |
| <b>TOTAL O &amp; M EXPENSE</b>         | <b>\$ 1,101,747</b> | <b>\$ 763,409</b> | <b>\$ 1,865,156</b> | <b>\$ 1,227,664</b> | <b>\$ 800,515</b> | <b>\$ 2,028,179</b> |

Table 5.4 - COMB Operating Budget: G&amp;A Expenses Consolidated

| Account Name                        |                  |                  |                    |                  |                  |                    |
|-------------------------------------|------------------|------------------|--------------------|------------------|------------------|--------------------|
| GENERAL AND ADMINISTRATIVE EXPENSES | FY 2018-19       |                  |                    | FY 2019-20       |                  |                    |
|                                     | Operations       | Fisheries        | Total              | Operations       | Fisheries        | Total              |
| DIRECTORS FEES                      | \$13,000         | \$ 7,000         | \$20,000           | \$13,000         | \$ 7,000         | \$20,000           |
| AUDIT                               | 22,750           | 12,250           | 35,000             | 22,750           | 12,250           | 35,000             |
| LEGAL                               | 75,000           | 20,000           | 95,000             | 75,000           | 100,000          | 175,000            |
| 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                    | 69,291           | 37,311           | 106,602            | 68,388           | 36,824           | 105,212            |
| WORKERS COMPENSATION INSURANCE      | 2,920            | 1,572            | 4,492              | 2,974            | 1,601            | 4,575              |
| RETIREES HEALTH INSURANCE           | 161,840          | 0                | 161,840            | 163,741          | 0                | 163,741            |
| CAL-PERS                            | 52,325           | 28,175           | 80,500             | 58,894           | 31,712           | 90,605             |
| FICA / MEDICARE                     | 22,114           | 11,907           | 34,021             | 22,526           | 12,130           | 34,656             |
| ADMINISTRATIVE SALARIES             | 289,071          | 155,654          | 444,724            | 294,462          | 158,556          | 453,018            |
| POSTAGE/OFFICE SUPPLIES             | 5,000            | 4,000            | 9,000              | 5,000            | 4,000            | 9,000              |
| OFFICE EQUIP/LEASES                 | 9,200            | 5,418            | 14,618             | 9,200            | 6,518            | 15,718             |
| MISC ADMIN EXP                      | 11,500           | 7,500            | 19,000             | 14,000           | 7,500            | 21,500             |
| COMMUNICATIONS                      | 8,500            | 5,805            | 14,305             | 8,500            | 5,805            | 14,305             |
| UTILITIES                           | 9,737            | 5,243            | 14,980             | 9,737            | 5,243            | 14,980             |
| MEMBERSHIP DUES                     | 9,345            | 5,955            | 15,300             | 9,410            | 5,955            | 15,365             |
| ADMIN FIXED ASSETS                  | 3,000            | 3,000            | 6,000              | 3,000            | 3,000            | 6,000              |
| COMPUTER CONSULTANT                 | 15,000           | 7,000            | 22,000             | 16,500           | 9,000            | 25,500             |
| 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                         | 3,500            | 1,500            | 5,000              | 3,500            | 1,500            | 5,000              |
| <b>TOTAL</b>                        | <b>\$842,644</b> | <b>\$349,035</b> | <b>\$1,191,679</b> | <b>\$860,132</b> | <b>\$438,339</b> | <b>\$1,298,471</b> |

## Notes:

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

Table 5.5 - COMB Operating Budget Allocation

| <b>OPERATIONS DIVISION</b>                                   |                |                       |
|--------------------------------------------------------------|----------------|-----------------------|
| <b>TOTAL Operations Division Budget</b>                      |                |                       |
| Goleta Water District                                        | 40.42%         | \$ 1,672,505          |
| City of Santa Barbara                                        | 35.89%         | \$ 1,485,184          |
| Carpinteria Valley Water District                            | 12.20%         | \$ 504,750            |
| Montecito Water District                                     | 11.50%         | \$ 475,683            |
| <b>TOTAL Operations Division Budget</b>                      | <b>100.00%</b> | <b>\$ 4,138,123</b>   |
| <b>FISHERIES DIVISION</b>                                    |                |                       |
| <b>TOTAL Fisheries Division Budget</b>                       |                |                       |
| Goleta Water District                                        | 40.42%         | \$ 1,062,504          |
| City of Santa Barbara                                        | 35.89%         | \$ 943,503            |
| Carpinteria Valley Water District                            | 12.20%         | \$ 320,656            |
| Montecito Water District                                     | 11.50%         | \$ 302,191            |
| <b>TOTAL Fisheries Division Budget</b>                       | <b>100.00%</b> | <b>\$ 2,628,854</b>   |
| <b>COMB GROSS OPERATING BUDGET</b>                           |                |                       |
| Goleta Water District                                        | 40.42%         | \$ 2,735,009          |
| City of Santa Barbara                                        | 35.89%         | \$ 2,428,688          |
| Carpinteria Valley Water District                            | 12.20%         | \$ 825,407            |
| Montecito Water District                                     | 11.50%         | \$ 777,874            |
| <b>TOTAL GROSS COMB OPERATING BUDGET</b>                     | <b>100.00%</b> | <b>\$ 6,766,977</b>   |
| <b>OFFSETTING REVENUES <sup>(2)</sup></b>                    |                |                       |
| <b>Warren Act Trust Fund Offset</b>                          |                |                       |
| Goleta Water District                                        | 40.42%         | \$ (239,076)          |
| City of Santa Barbara                                        | 35.89%         | \$ (212,299)          |
| Carpinteria Valley Water District                            | 12.20%         | \$ (72,151)           |
| Montecito Water District                                     | 11.50%         | \$ (67,996)           |
| <b>TOTAL</b>                                                 | <b>100.00%</b> | <b>\$ (591,523)</b>   |
| <b>County Betterment Fund Offset</b>                         |                |                       |
| Goleta Water District                                        | 40.42%         | \$ (36,375)           |
| City of Santa Barbara                                        | 35.89%         | \$ (32,301)           |
| Carpinteria Valley Water District                            | 12.20%         | \$ (10,978)           |
| Montecito Water District                                     | 11.50%         | \$ (10,346)           |
| <b>TOTAL</b>                                                 | <b>100.00%</b> | <b>\$ (90,000)</b>    |
| <b>CDFW Grant Funding Offset - Quiota Creek Crossing 8</b>   |                |                       |
| Goleta Water District                                        | 40.42%         | \$ (408,495)          |
| City of Santa Barbara                                        | 35.89%         | \$ (362,743)          |
| Carpinteria Valley Water District                            | 12.20%         | \$ (123,281)          |
| Montecito Water District                                     | 11.50%         | \$ (116,181)          |
| <b>TOTAL</b>                                                 | <b>100.00%</b> | <b>\$ (1,010,700)</b> |
| <b>FEMA Assistance - Sycamore Canyon Slope Stabilization</b> |                |                       |
| Goleta Water District                                        | 40.42%         | \$ (182,180)          |
| City of Santa Barbara                                        | 35.89%         | \$ (161,776)          |
| Carpinteria Valley Water District                            | 12.20%         | \$ (54,981)           |
| Montecito Water District                                     | 11.50%         | \$ (51,815)           |
| <b>TOTAL</b>                                                 | <b>100.00%</b> | <b>\$ (450,752)</b>   |
| <b>TOTAL OFFSETTING REVENUES</b>                             | <b>100.00%</b> | <b>\$ (2,142,975)</b> |
| <b>TOTAL NET COMB OPERATING BUDGET</b>                       | <b>100.00%</b> | <b>\$ 4,624,002</b>   |

Table 5.5 - COMB Operating Budget Allocation (Cont'd.)

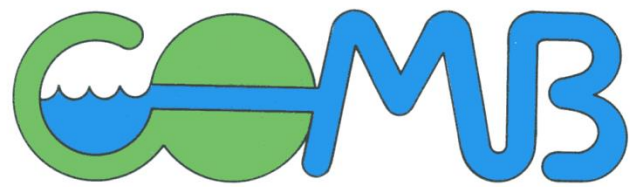
| <b>TOTAL NET COMB OPERATING BUDGET</b>                     |                |                     |
|------------------------------------------------------------|----------------|---------------------|
| Goleta Water District                                      | 40.42%         | \$ 1,868,883        |
| City of Santa Barbara                                      | 35.89%         | \$ 1,659,568        |
| Carpinteria Valley Water District                          | 12.20%         | \$ 564,016          |
| Montecito Water District                                   | 11.50%         | \$ 531,536          |
| <b>TOTAL</b>                                               | <b>300.00%</b> | <b>\$ 4,624,002</b> |
| <b>TOTAL COMB OPERATING BUDGET (QUARTERLY ASSESSMENTS)</b> |                |                     |
| Goleta Water District                                      | 40.42%         | \$ 467,221          |
| City of Santa Barbara                                      | 35.89%         | \$ 414,892          |
| Carpinteria Valley Water District                          | 12.20%         | \$ 141,004          |
| Montecito Water District                                   | 11.50%         | \$ 132,884          |
| <b>TOTAL</b>                                               | <b>100.00%</b> | <b>\$ 1,156,001</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) Pursuant to the terms and conditions of the Separation Agreement, ID No. 1 was deemed no longer a Member Agency of COMB and had departed from the COMB JPA Agreement as of May 27, 2016. ID No. 1 continues to be a member of the Cachuma Project which carries certain benefits and obligations associated with the Project as outlined in various agreements. Payments received from the ID No. 1 for certain COMB BiOp and Oak Tree related expenditures, vary by year, and will be returned to the COMB Member Agencies upon collection.







**APPENDIX**



## 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 2019-20, the classic members' contribution rate is set at 4.2%. 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 2.95% COLA per the annual calculation.

|                    |                           |               |
|--------------------|---------------------------|---------------|
| Totals by Account: | 3100 Labor Operations     | \$ 601,352    |
|                    | 3155 CalPERS              | 88,968        |
|                    | 3150 Health Insurance     | 185,452       |
|                    | 3150 Workers Compensation | 30,390        |
|                    | 3160 FICA                 | <u>46,003</u> |
|                    | Total of these accounts   | \$ 952,164    |

**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        | \$ 15,000       |
| 3203 Equipment Rental     | \$ 5,000        |
| 3204 Misc.                | <u>\$ 5,000</u> |
| Total                     | \$ 55,000       |

**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   | \$ 20,500       |
| 3504 USA & Other Svcs | \$ 4,000        |
| 3505 Misc.*           | \$ 8,000        |
| 3506 Training & Certs | <u>\$ 3,000</u> |
| Total                 | \$ 47,500       |

\*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****\$1,227,664**

**OPERATIONS AND MAINTENANCE 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 2020.

Total of this account: \$235,103

### **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 4.2%. 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: \$58,894

### **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: \$22,533

### **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 2.95% 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: \$294,462

**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 Cleaning       | \$ 5,000        |
| Paychex payroll costs | \$ 4,000        |
| Misc. expenses        | <u>\$ 5,000</u> |
| Total                 | \$14,000        |

**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: \$ 9,410



**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: \$16,500

**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: \$ 3,000

**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 \$ 860,132**

---

**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 AND MAINTENANCE DIVISION - INFRASTRUCTURE IMPROVEMENT PROJECTS \*\*****SCADA SYSTEM – 6062**

\$ 35,000

The “Supervisory Control and Data Acquisition” system (SCADA) collects and enables the retrieval of historical data. Information includes flows, reservoir elevations, alarms, communication, turbidity, pH, temperature, and valve positions. Additionally, SCADA provides alerts to COMB Operations staff to effectuate corrective action 24/7. This line item includes costs to upgrade the equipment and software, as well as, the development of a SCADA Master Plan to document the SCADA Vision, Goals, and Objectives; conduct a Baseline Assessment and Gap Analysis; and develop a detailed Project Portfolio, SCADA Systems Standards, and a compiled SCADA Master Plan.

**COMB BUILDING AND GROUNDS REPAIR - 6090**

\$25,000

This line item includes costs related to Lauro Yard repairs and landscape maintenance.

**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**

\$400,000

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.

**SYCAMORE CANYON SLOPE STABILIZATION - 6132**

\$605,242

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. Several components (permitting, potential for winter rains, and grant funding) resulted in a delay of the project. Construction is anticipated to commence in the fall of 2019 following Board approval and completion of competitive bid process.

**SCC SAN JOSE CREEK PIPE STABILIZATION - 6135**

\$ 150,000

The South Coast Conduit crosses San Jose Creek. During routine maintenance of the nearby blow-off structure, a section of the conduit was discovered to be exposed within the western bank of the creek bed. After further review of original profiles, it has been determined that the original cover on the pipeline at that location was over 20' of material. Over time, the stream has eroded the material at that location and exposed the pipeline. The exposed portion of the South Coast Conduit is vulnerable to pipeline failure resulting

from structural damage from boulder impacts, corrosion, and further erosion over the pipeline. This weakness poses a significant risk of failure and the associated loss of the ability to deliver water to Lauro Reservoir, which will ultimately serve the cities of Santa Barbara, Montecito, and Carpinteria.

COMB plans to retain engineering services to conduct an evaluation of the site and develop and implement a temporary repair. Over the next few years, a permanent solution will be designed, reviewed and approved by local, state and federal regulatory agencies. Once an acceptable design has been developed, COMB would then determine funding options for construction of the project.

**SCC ISOLATION VALVE –LOWER REACH - 6136**

\$ 150,000

To accomplish blow-off 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**

\$ 150,000

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**

**\$ 1,545,242**





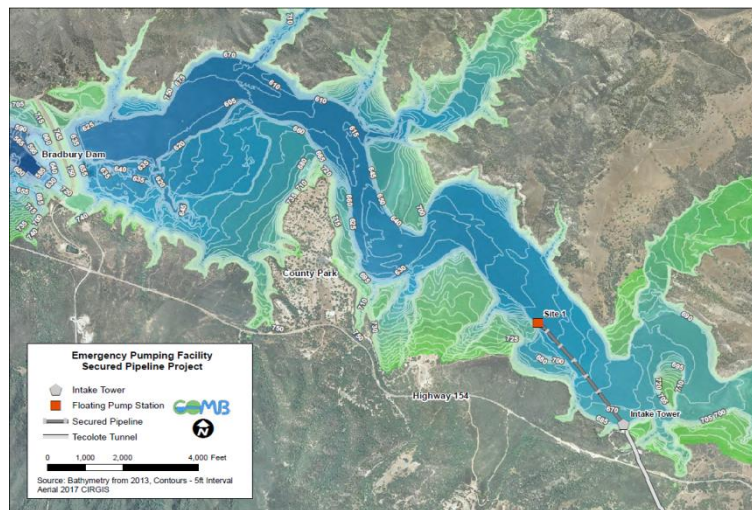
## OPERATIONS AND MAINTENANCE DIVISION - SPECIAL PROJECTS

### EPF SECURED PIPELINE PROJECT – 6120

The Cachuma Project was originally designed as a gravity flow system, however, when the lake level recedes below the lowest gates on the Intake Tower, Cachuma Project water and State Water Project (SWP) water is unable to be transported to the South Coast. Under these conditions, water must be pumped from deeper parts of the lake to the Intake Tower. Without the ongoing operation of an emergency pump and pipeline, water service would be interrupted, causing a widespread immediate threat to public health and safety within Goleta, Santa Barbara, Montecito, Summerland and Carpinteria.

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. Included in the budget are funds for the continued leasing of the facility components per the proposed change order currently under negotiation.

The Lake Cachuma EPF Secured Pipeline Project is a more permanent version of previous Emergency Pumping Facilities, having a bottom-mounted permanent pipeline component. The EPF Secured Pipeline Project will make available the use of an additional 20,500 acre-feet of reservoir water and imported water until sufficient inflow to the lake occurs and the reservoir level returns to a normal operating condition for gravity feed. A similar facility was temporarily installed and operated in the 1957-1958, 1990-1991, and in 2014-2017, and the occasional need for such a facility was envisioned when the reservoir was originally designed and constructed in 1953 by the U.S. Department of the Interior, Bureau of Reclamation (Reclamation).



COMB hired a contractor to perform a Secured Pipeline Project Preliminary Engineering Report in 2017. Additionally, COMB hired a specialized submerged pipeline design contractor to provide a pipe suitability analysis, weight design and deployment analysis, and a pump station connection and ROM opinion of probable construction cost. COMB plans to pursue final design for a bottom-mounted pipeline to Site 1. The project would be installed during the next drought when the appropriate lake level is reached for construction

Total of this account: \$225,000

**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 Gibraltar 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 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.

Phase II of the study is scheduled to commence in FY 2019-20.

Total of this account: \$275,085



---

**TOTAL IIP and Special Projects** **\$ 2,045,327**

**TOTAL OPERATIONS AND MAINTENANCE DIVISION BUDGET** **\$ 4,138,123**

**\*\* 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 ) Starting July 1<sup>st</sup> 2017, classic members began paying a portion of the employee cost (EPMC). For FY 2019-20, the classic member's contribution rate is set at 4.2%. 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 (2% @ 62 formula). This line item includes a 2.95% COLA per the annual calculation.

## Totals by Account

|                           |                  |
|---------------------------|------------------|
| 4100 Labor Biology Crew   | \$390,950        |
| 4114 Labor Seasonal Crew  | \$ 68,000        |
| 4151 CalPERS              | \$ 71,645        |
| 4150 Health Insurance     | \$115,862        |
| 4150 Workers Compensation | \$ 22,948        |
| 4152 FICA                 | <u>\$ 35,110</u> |
| Total                     | \$704,515        |

**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      | \$20,000        |
| 4280 Fixed Capital | \$35,000        |
| 4290 Miscellaneous | <u>\$ 2,500</u> |
| Total              | \$57,500        |

**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 \$800,515**



**FISHERIES DIVISION - GENERAL AND ADMINISTRATIVE EXPENSES****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 2019-20.

**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 affiliated with the Fisheries Division program of work, as well as, anticipated litigation.

Total of this account: \$100,000

**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 2020.

Total of this account: \$38,425

**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 2019-20, the classic member's contribution rate is set at 4.2%. 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 (2% @ 62 formula).

Total of this account: \$31,712

**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: \$12,130

**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: \$158,556

**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: \$ 6,518

**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: \$ 9,000

**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 - \$ 438,339**





**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**

\$18,000

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**

\$13,000

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: \$ 33,000

**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, and 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 \$164,000**



**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: \$30,000

**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 construction 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: \$1,176,000

**TOTAL HABITAT ENHANCEMENTS \$1,226,000**

**TOTAL PROGRAM SUPPORT AND HIP: \$1,390,000**

**TOTAL FISHERIES DIVISION BUDGET: \$2,628,854**

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

**RECAP - TOTAL COMB BUDGET FY 2019-20**

|                                 |                           |
|---------------------------------|---------------------------|
| <b>COMB OPERATIONS DIVISION</b> | <b>\$4,138,123</b>        |
| <b>COMB FISHERIES DIVISION</b>  | <b><u>\$2,628,854</u></b> |
| <b>TOTAL COMB GROSS BUDGET</b>  | <b><u>\$6,766,977</u></b> |



*Lake Cachuma County Park*





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:         | May 20, 2019  |
| Submitted by: | Joel Degner   |
| Approved by:  | Janet Gingras |

---

**SUBJECT:** Resolution No. 686 - Sycamore Canyon Slope Stabilization Project – Construction Contract Bid Award and Engineering Services during Construction

---

**RECOMMENDATION:**

The Board of Directors adopt Resolution No. 686 approving the construction contract bid award submitted by Hanly General Engineering Corporation for the Sycamore Canyon Slope Stabilization Project and authorizing the General Manager to execute a contract with said contractor in the amount of \$557,242 with the Notice to Proceed issued after June 1, 2019.

The Board of Directors approve the proposed time and materials costs for engineering services during construction on the Sycamore Canyon Slope Stabilization Project and authorize the General Manager to execute a Professional Services Agreement with Flowers and Associates, Inc. in an amount not to exceed \$48,000.

**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 has implemented temporary protection measures including placement of sandbags to support the exposed portion of the SCC, a plastic protective cover during the winter season, and redirection of the concentrated flow away from the exposed conduit. COMB proposed the Sycamore Canyon Slope Stabilization Project in order to restore the failed slope, stabilize the slope, and improve slope drainage to protect the SCC and maintain the existing SCC right-of-way.

This project 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. In addition, project would stabilize the alignment in the area and improve overall slope stability. Flowers and Associates, Inc. was hired to complete a final design and prepare bid specifications which involve constructing a 78-ft long buried

secant wall downslope of the conduit to support the pipeline. The secant walls 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 through slope lining the existing swale along the access route and conveying flow to the creek through a concrete swale. In addition, two smaller buried secant walls (35-ft long and 30-feet long) 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.

COMB declared a disaster for the February 2017 storm event and applied for public assistance from FEMA under disaster DR-4308. COMB staff prepared a change in the project scope of work, under the FEMA Project Assistance request. FEMA approved the original change in scope which increased funding from \$50,643 to \$450,752 and extended the project implementation date to October 1, 2019.

### **Summary of Bid Submittals**

Public notification inviting sealed bids for the Sycamore Canyon Slope Stabilization Project was advertised on April 11, 2019. On May 8, 2019, COMB received bid submittals from three firms, including CalPortland, Cushman Contracting Corporation, and Hanly General Engineering Corporation. Per the bid documents, the project will be awarded to the lowest responsive, responsible proposer. According to this metric, Hanly General Engineering Corporation submitted the apparent lowest bid and is deemed responsive and responsible.

### **Summary of Engineering during Construction Proposal**

A proposal for engineering services during construction was provided by the project design engineering firm, Flowers & Associates, for \$48,000. The majority of the services provided would be through their sub-consultant, Earth Systems Southern California, for engineering, geologic and geotechnical review of soldier pile excavation and placement observation, concrete placement observation, and earthwork observation and testing. Van Sande Structural Consultants, Inc. would provide observation and reporting on the soldier pile retaining system. COMB staff would provide the construction contract administration and additional overall construction monitoring.

### **FISCAL IMPACTS:**

The Sycamore Canyon Slope Stabilization Project draft budget line item for Fiscal Year 2019-20 was presented to the Board at a Special Meeting on May 9, 2019 for \$543,000. The draft budget requires adoption by the COMB Board before budget amounts are finalized. The apparent lowest bidder included a cost estimate of \$557,242. Therefore, the budget line item for this project will be increased to \$605,242 to accommodate the bid construction costs and the engineering during construction services cost.

### **LEGAL CONCURRENCE:**

The bid documents, including the contract, have been thoroughly reviewed by COMB legal counsel.

### **ENVIRONMENTAL COMPLIANCE:**

COMB declared a disaster for the February 2017 storm event and has been approved to receive funding for public assistance from FEMA under disaster DR-4308. The Bureau of Reclamation has prepared the required environmental analysis and a categorical exclusion checklist (CEC-18-030) per NEPA. A CEQA Notice of Exemption (NOE) was filed on March 14, 2019 as part of the February 2017 storm event disaster declaration.

**COMMITTEE STATUS:**

The Operations Committee reviewed the proposed construction costs, submitted through a competitive bidding process, by Hanly General Engineering Corporation for the Sycamore Canyon Slope Stabilization Project and forwards to the Board with a recommendation to approve and authorize the General Manager to execute a contract with said contractor in the amount of \$557,242 with the Notice to Proceed issued after June 1, 2019.

The Operations Committee review the proposed time and materials costs for engineering services during construction on the Sycamore Canyon Slope Stabilization Project and forwards to the Board with a recommendation to approve and authorize the General Manager to execute a Professional Services Agreement with Flowers and Associates, Inc. in an amount not to exceed \$48,000.

**LIST OF EXHIBITS:**

1. Resolution No. 686
2. Engineer Recommendation
3. FEMA Funding Letter

**THIS PAGE INTENTIONALLY LEFT BLANK**



**RESOLUTION NO. 686**

**RESOLUTION OF THE GOVERNING BOARD OF THE  
CACHUMA OPERATION & MAINTENANCE BOARD APPROVING THE  
CONSTRUCTION BID AWARD; RELATED PROJECT EXPENDITURES AND  
AUTHORIZING CONTRACT EXECUTIONS FOR THE  
SYCAMORE CANYON SLOPE STABILIZATION PROJECT**

**WHEREAS**, the Cachuma Operation & Maintenance Board (“COMB”) is a joint powers authority and public entity, organized and existing in the County of Santa Barbara in accordance with Government Code Section 6500 *et seq.*, and operating pursuant to the 1996 Amended and Restated Agreement for the Establishment of a Board of Control to Operate and Maintain the Cachuma Project - Cachuma Operation And Maintenance Board, dated May 23, 1996 (“Amended and Restated Agreement”), as amended by an Amendment to the Amended and Restated Agreement made effective September 16, 2003; and as amended by the Second Amendment to the 1996 Amended and Restated Agreement made effective November 20, 2018 (collectively the “Joint Powers Agreement”); and

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

**WHEREAS**, COMB operates and maintains Cachuma Project facilities pursuant to a Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation, including the South Coast Conduit (“SCC”) and appurtenances. The SCC is a critical piece of infrastructure that provides for the conveyance of Cachuma Project water and State Project water to 250,000 residents on the South Coast of Santa Barbara County; and

**WHEREAS**, during severe winter storms in February 2017, a slope failure exposed a portion of the SCC (at Station 232+25), which is adjacent to a 20-foot slope that steeply descends into a tributary of Sycamore Creek. This exposed portion of the SCC is vulnerable to pipeline failure resulting from structural damage, corrosion, and or additional erosion material sliding over the SCC. The vulnerability poses a significant risk to system operation; and

**WHEREAS**, it is necessary for COMB to implement the Sycamore Canyon Slope Stabilization Project (“Project”) as outlined in the COMB Draft Infrastructure Improvement Projects matrix and Fiscal Year 2019-20 Draft Operating Budget, and further described in the related staff report, to ensure the continued reliable conveyance of Cachuma Project water through the SCC. The Project involves the permanent repair of a portion of the SCC (a 30-inch diameter concrete-lined, concrete-encased steel pipeline) located on a hillslope in the Sycamore Canyon area of Montecito, which was damaged. The Project would consist of securing the SCC at this location and restoring appropriate sediment over the pipeline on the slope in order to eliminate the risk associated with the continued hillside erosion during future storm events; and

**WHEREAS**, in November 2017 and June 2018, the COMB Governing Board approved a proposal from COMB’s consultant, Flowers and Associates, Inc., to conduct a detailed assessment of site conditions and prepare 100% engineering designs and specifications, which have been completed and will be used by the contractor to implement the Project; and

**WHEREAS**, a competitive request for proposals and bidding process was performed for the Project (the “Bid”), with sealed bids opened on May 8, 2019, and with Hanly General Engineering Corporation being found to be the lowest responsive, responsible bidder; and

**WHEREAS**, on May 13, 2019, COMB’s Operations Committee reviewed the proposed construction costs submitted by Hanly General Engineering Corporation through the competitive bid process in an amount not to exceed \$557,242; and

**WHEREAS**, on May 13, 2019, the Operations Committee also reviewed proposed costs from Flowers and Associates, Inc., which include engineering services during construction, engineering geology and geotechnical review and testing on the Sycamore Canyon Slope Stabilization Project in an amount not to exceed \$48,000; and

**WHEREAS**, the Operations Committee has forwarded the proposed construction costs from Hanly General Engineering Corporation to the Governing Board with a recommendation to approve and authorize the General Manager to execute a contract with Hanly General Engineering Corporation in an amount not to exceed \$557,242; and

**WHEREAS**, the Operations Committee has forwarded the proposed costs for engineering services during construction from Flowers and Associates, Inc. for to the Governing Board with a recommendation to approve and authorize the General Manager to execute a Professional Serviced Agreement Flowers and Associates, Inc. in an amount not to exceed \$48,000; and

**WHEREAS**, it is in the best interest of COMB to enter into both of said contracts;

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

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.
2. The Governing Board authorizes the General Manager to execute a contract with Hanly General Engineering Corporation for construction of the Sycamore Canyon Slope Stabilization Project in an amount not to exceed \$557,242.
3. The Governing Board authorizes the General Manager to execute a Professional Services Agreement with Flowers and Associates, Inc. for engineering services during construction of the Sycamore Canyon Slope Stabilization Project in an amount not to exceed \$48,000.

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

5. This Resolution shall take effect immediately.

**PASSED, APPROVED AND ADOPTED** by the Governing Board of the Cachuma Operation and Maintenance Board, this 20<sup>th</sup> day of May 2019, by the following roll call vote:

**Ayes:**

**Nays:**

**Abstain:**

**APPROVED:**

---

President of the Governing Board

**ATTEST:**

---

Secretary of the Governing Board

**THIS PAGE INTENTIONALLY LEFT BLANK**

## Janet Gingras

---

**From:** Vern Williams <vwilliams@flowersassoc.com>  
**Sent:** Thursday, May 09, 2019 4:30 PM  
**To:** Janet Gingras; Dave Stewart; Joel Degner  
**Cc:** Rick Craig  
**Subject:** 1413 SYC CYN: BID ANALYSIS  
**Attachments:** 1413SYC\_BID ANALYSIS\_20190509.pdf; Bid Opening Summary\_20190508.pdf; Written Consent of Board - Signatures.pdf

All,

Hanly General Engineering Corporation (Hanly) is the low bidder (by \$4,728 or approximately 0.8%). We therefore, focused on evaluation of their bid including the following:

1. We contacted Mr. Hanly and confirmed he is comfortable with his bid amount including the difference between the amount stated for their drilling sub-contractor in the corresponding form and the amount entered into the Bid Schedule.
2. We have checked the math in their Bid Schedule and did not find any errors.
3. We confirmed that the required completed paperwork has been furnished. We note that the Bylaws provided with the bid did not specifically state names of the individuals who are corporate officers but we have since received the attached board action that satisfies that requirement. We consider the tardiness of this information a minor infraction and recommend waiving that discrepancy.
4. In the time available, we were able to contact most of Hanley's references who provided positive performance ratings. We have worked with him on one recent project and agree with that rating.

In conclusion, based on the evaluation provided above and the attached information, we recommend award of the contract to Hanly.

Vern



Vernon E. Williams, P.E.  
*Principal Engineer*  
201 North Calle Cesar Chavez, Suite 100  
Santa Barbara, CA 93103  
[www.flowersassoc.com](http://www.flowersassoc.com)  
805.966.2224 Ext. 104

*This e-mail message and any attachments are a confidential communication between Flowers & Associates, Inc. and the intended recipient. Dissemination, distribution or copying of this message or attachments without proper authorization is strictly prohibited. If you are not the intended recipient, please notify Flowers & Associates, Inc. immediately by telephone or by e-mail, permanently delete the original, and destroy all copies of this message and all attachments.*

5.

**THIS PAGE INTENTIONALLY LEFT BLANK**



FEMA

OCT 22 2018

RECEIVED

Mr. David Gillings  
State Public Assistance Officer  
California Governor's Office of Emergency Services  
Recovery Branch, Public Assistance Section  
3650 Schriever Avenue  
Mather, CA 95655

OCT 29 2018

CACHUMA O & M BOARD

Reference: Change in Scope of Work - Project Worksheet 93  
FEMA-4308-DR-CA, P.A. ID: 083-U92VQ-00  
Subrecipient: Cachuma Operation and Maintenance Board  
Cal OES Log: 657953; FEMA Log: 390682

Dear Mr. Gillings:

This responds to your letter dated July 2, 2018, which forwarded and supported a request for a change in scope of work from the Cachuma Operation and Maintenance Board (Subrecipient) for Project Worksheet (PW) 93. On May 22, 2018, the Subrecipient requested approval from the U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) to change the approved scope of work for PW 93, resulting in an additional \$329,357.10 for a revised estimated total of \$380,000.00.

PW 93 was initially estimated to cost \$50,642.90 to restore the slope by backfilling and compacting the site back to pre-disaster condition which assumed that an access road could be created to the bottom of the slope, into the creek, and outside of the right-of-way. The Subrecipient contracted with a civil engineering firm, Flowers and Associates, and the firm provided a topographical survey, geotechnical analysis, and engineering designs for the repair.

The firm provided a solution which involves grading a bench above the pipeline by laying back the upper slope and using it to support a small drilling rig with bucket auger to reach over the pipeline. The auger will be used to install alternating reinforced caissons up to 40 feet deep and slurry caissons up to 20 feet deep for a 70-foot long buried secant wall downslope of the pipe, which will stabilize the slope and secure the pipeline.

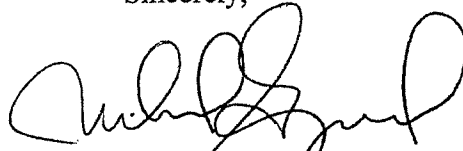
FEMA has determined the Subrecipient's request for a change in scope of work is eligible in accordance with Title 44 Code of Federal Regulations (CFR) § 206.204. The revised total estimated funding for this project is now \$450,751.90, which also provides for soft costs.

Mr. David Gillings  
Change in SOW - PW 93  
FEMA-4308-DR-CA, P.A. ID: 083-U92VQ-00  
Page 2 of 2

The Subrecipient must refrain from construction activities until FEMA has reviewed and cleared the revised scope of work for compliance with applicable federal environmental laws and regulations. This clearance will be noted in the PW along with any stipulations when you receive the notification of obligation. The Subrecipient may proceed with construction at that time. If the Subrecipient fails to obtain and comply with all appropriate federal, state, and local environmental laws, regulations, and/or permits prior to the start of construction, FEMA funding will be jeopardized.

If you have any questions regarding this matter, please contact me at (510) 627-7250.

Sincerely,



Michael Gayard  
Infrastructure Branch Chief  
Recovery Division  
FEMA Region IX

cc: Janet Gingras, General Manager  
Cachuma Operation and Maintenance Board  
3301 Laurel Canyon Road  
Santa Barbara, CA 93105



# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|               |                           |
|---------------|---------------------------|
| Date:         | May 20, 2019              |
| Submitted by: | Joel Degner, Elijah Papen |
| Approved by:  | Janet Gingras             |

---

**SUBJECT:** Resolution No. 687 – Adoption of COMB Hazard Mitigation Plan (Annex to the 2017 Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan)

---

**RECOMMENDATION:**

The Board of Directors adopt Resolution No. 687 to approve incorporation of the COMB Hazard Mitigation Plan as an Annex to the 2017 Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan (SBHMP) and authorize staff to provide Resolution No. 687 to FEMA as confirmation of formal adoption by the Board.

**SUMMARY:**

The purpose of a Hazard Mitigation Plan (HMP) is to identify policies and actions that can be implemented to reduce risk and future losses from disasters. HMPs create a framework for risk-based decision making to reduce damage to lives, property and local economies by focusing resources on the greatest risks and vulnerabilities. State, local and tribal governments benefit from HMP adoption in the following ways:



- Hazard mitigation planning creates a more disaster-resistant and resilient community.
- HMP adoption allows agencies to accrue points under the National Flood Insurance Program's Community Rating System (CRS)
- HMP adoption allows access to hazard mitigation assistance programs and funding, including Hazard Mitigation Grant Programs, Pre-Disaster Mitigation, Flood Mitigation Assistance and Severe Repetitive Loss Grant Programs.

COMB previously prepared an Annex to the 2017 Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan which covered specific hazards and potential mitigation actions within our area of responsibility. On May 8, 2019, the County of Santa Barbara Office of Emergency Management, which is the lead agency for the development and coordination of the local HMP, received a conditional approval letter from FEMA stating the 2017 SBHMP has been amended to include COMB as an official planning participant. COMB is now required to submit an adoption resolution to FEMA in order to be considered fully approved.

After approval and adoption by the Board, COMB will submit adopted Resolution No. 687 to FEMA for final approval. FEMA's approval will remain in effect for a period of five years from the original 2017 SBHMP approval date of September 26, 2017. Prior to September 26, 2022, Santa Barbara County and all participating jurisdictions will be required to review and revise the SBHMP to reflect changes.

**FISCAL IMPACTS:**

With a FEMA approved HMP in place, selected projects will be eligible for available hazard mitigation funding. COMB plans on applying for funding opportunities as they arise.

**COMMITTEE STATUS:**

The Operations Committee forward to the Board of Directors, through a resolution, the approval and adoption of the COMB Hazard Mitigation Plan Annex to the 2017 Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan (SBHMP) for final approval by FEMA.

**LIST OF EXHIBITS:**

1. Resolution No. 687
2. FEMA Conditional Approval - Notice to SB County Office of Emergency Management

**RESOLUTION NO. 687**

**RESOLUTION OF THE GOVERNING BOARD OF THE  
CACHUMA OPERATION & MAINTENANCE BOARD ADOPTING THE  
COMB HAZARD MITIGATION PLAN AS AN ANNEX TO THE  
2017 SANTA BARBARA COUNTY MULTI-JURISDICTIONAL  
HAZARD MITIGATION PLAN**

**WHEREAS**, the Cachuma Operation & Maintenance Board (“COMB”) is a joint powers authority and public entity, organized and existing in the County of Santa Barbara in accordance with Government Code Section 6500 et seq., and operating pursuant to the 1996 Amended and Restated Agreement for the Establishment of a Board of Control to Operate and Maintain the Cachuma Project - Cachuma Operation And Maintenance Board, dated May 23, 1996 (“Amended and Restated Agreement”), as amended by an Amendment to the Amended and Restated Agreement made effective September 16, 2003; and as amended by the Second Amendment to the 1996 Amended and Restated Agreement made effective November 20, 2018 (collectively the “Joint Powers Agreement”); and

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

**WHEREAS**, COMB operates and maintains Cachuma Project facilities pursuant to a Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation, including the South Coast Conduit (“SCC”) and appurtenances. The SCC is a critical piece of infrastructure that provides for the conveyance of Cachuma Project water and State Project water to 250,000 residents on the South Coast of Santa Barbara County; and

**WHEREAS**, the Federal Disaster Mitigation Act of 2000 (“Act”), as described in 44 CFR Section 201.6 mandates local governments to submit and maintain a Federal Emergency Management Agency (“FEMA”)-approved local hazard mitigation plan; and

**WHEREAS**, identifications of hazards within COMB’s operational boundaries assists with response planning, exercise development, public education and awareness, and other emergency management functions; and

**WHEREAS**, the Santa Barbara County Office of Emergency Services Multi-Jurisdictional Hazard Mitigation Plan identifies local risk assessment and mitigation strategies to reduce the impacts of natural, technological, or intentional disasters on the public and local government; and

**WHEREAS**, COMB’s Local Hazard Mitigation Plan will be adopted as an Annex to the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan; and

**WHEREAS**, FEMA has approved the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan, into which COMB’s Local Hazard Mitigation Plan will be incorporated (collectively referred to as the “Plan”); and

**WHEREAS**, the “Act” requires the Plan to be formally adopted by the governing body of the Cachuma Operation and Maintenance Board,

**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 is true and correct.
2. The Governing Board adopts by reference the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan.
3. The Governing Board approves and adopts the COMB Local Hazard Mitigation Plan as an Annex to the 2017 Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan.
4. This Resolution shall take effect immediately.

**PASSED, APPROVED AND ADOPTED** by the Governing Board of the Cachuma Operation and Maintenance Board, this 20<sup>th</sup> day of May 2019, by the following roll call vote:

**Ayes:**  
**Nayes:**  
**Abstain:**  
**Absent:**

**APPROVED:**

\_\_\_\_\_  
President of the Governing Board

**ATTEST:**

\_\_\_\_\_  
Secretary of the Governing Board



FEMA

May 8, 2019

Robert Lewin  
Director  
County of Santa Barbara Office of Emergency Management  
4410 Cathedral Oaks  
Santa Barbara, CA 93110

Dear Mr. Lewin:

The *Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan* has been amended to include the Cachuma Operations and Maintenance Board, Carpinteria Valley Water District, Montecito Fire Protection District, and Montecito Water District as official planning participants. Each special district must submit an adoption resolution to FEMA in order to be considered fully approved.

FEMA's approval of the *Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan* remains for a period of five years from the original approval date of September 26, 2017 for all approved participants. An updated list of the status of current participating jurisdictions is enclosed with this letter.

Prior to September 26, 2022, Santa Barbara County and all participating jurisdictions are required to review and revise the plan to reflect changes in development, progress in local mitigation efforts, and changes in priorities, and resubmit it for approval in order to continue to be eligible for mitigation project grant funding.

The continued approval of this plan ensures Santa Barbara County and all participating jurisdictions' continued eligibility for project grants under FEMA's Hazard Mitigation Assistance programs, including the Hazard Mitigation Grant Program, Pre-Disaster Mitigation Program, and Flood Mitigation Assistance Program. All requests for funding, however, will be evaluated individually according to the specific eligibility, and other requirements of the particular program under which applications are submitted.

If you have any questions regarding the planning or review processes, please contact the FEMA Region IX Hazard Mitigation Planning Team at [fema-r9-mitigation-planning@fema.dhs.gov](mailto:fema-r9-mitigation-planning@fema.dhs.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Juliette Hayes".

for

Juliette Hayes  
Division Director  
Mitigation Division  
FEMA Region IX

cc: Jennifer Hogan, State Hazard Mitigation Officer, California Governor's Office of Emergency Services  
Adam Sutkus, Hazard Mitigation Planning Chief, California Governor's Office of Emergency Services

Status of Participating Jurisdictions as of May 8, 2019

Jurisdictions – Adopted and Approved

| # | Jurisdiction           | Date of Adoption |
|---|------------------------|------------------|
| 1 | Santa Barbara County   | 8/22/2017        |
| 2 | Buellton, City of      | 7/27/2017        |
| 3 | Carpentaria, City of   | 9/11/2017        |
| 4 | Goleta, City of        | 9/5/2017         |
| 5 | Guadalupe, City of     | 9/8/2017         |
| 6 | Lompoc, City of        | 9/5/2017         |
| 7 | Santa Barbara, City of | 8/16/2017        |
| 8 | Santa Maria, City of   | 9/19/2017        |
| 9 | Solvang, City of       | 7/24/2017        |
|   |                        |                  |

Jurisdictions – Approvable Pending Adoption

| # | Jurisdiction                             |
|---|------------------------------------------|
| 1 | Cachuma Operations and Maintenance Board |
| 2 | Carpinteria Valley Water District        |
| 3 | Montecito Fire Protection District       |
| 4 | Montecito Water District                 |
|   |                                          |



# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|               |               |
|---------------|---------------|
| Date:         | May 20, 2019  |
| Submitted by: | Joel Degner   |
| Approved by:  | Janet Gingras |

---

**SUBJECT:**     **South Coast Conduit (SCC) San Jose Creek Crossing Protective Measures Project Engineering Design**

---

**RECOMMENDATION:**

The Board of Directors review the proposed engineering costs for design of the SCC San Jose Creek Crossing Protective Measures Project; approve and authorize the General Manager to execute a Professional Services Agreement with HDR, Inc. in an amount not to exceed \$70,437.

**SUMMARY:**

During routine maintenance in November 2016, the South Coast Conduit (SCC) was found exposed along the bank of San Jose Creek. The SCC in this area is a 48-inch diameter precast reinforced concrete cylinder pipe and is at lowest point between the Tecolote Tunnel and Lauro Reservoir. Water pressure in this section of the pipeline is over 200 pounds per square inch. In the winter of 2018-2019, high flow events resulted in additional scour of the stream at the pipe crossing exposing approximately six feet of the SCC and resulting in scouring of the outer surface of the concrete pipe, exposing the underlying aggregate. Over time, stream erosion will continue to damage the pipeline. This could result in a leak and/or failure of the pipeline, posing a significant risk to system operation and disrupting the water supply to Santa Barbara, Montecito, Summerland and Carpinteria. The SCC San Jose Creek Crossing Protective Measures Project would consist of rehabilitating the outer concrete of the SCC (if needed) and protecting the SCC in place.



Prober Land Surveying has provided Cachuma Operation and Maintenance Board (COMB) with a detailed topographic map of the San Jose Creek site in preparation of informing potential engineering firms. The survey was conducted in April 2019, 150 feet upstream and 150 feet downstream of the SCC, and includes the location of the SCC and easement.

On April 24, 2019, COMB sent a Request for Proposal (RFP) to seven qualified firms seeking engineering design services. On May 8, 2019, COMB received proposals from four firms, including AECOM (sub-consultant, Questa Engineering), Flowers & Associates (sub-consultant, Northwest Hydraulic Consultants), HDR Engineering, and Waterways Consulting (sub-consultant, Water Systems Consulting, Inc.).

The scope of contract work includes 4 tasks laid out below:

**Task 1: SCC Evaluation:** The consultant will evaluate the condition of the exposed SCC and determine the extent of damage to the SCC by stream erosion. Consultant will recommend method of rehabilitation of the outer concrete surface of conduit if required.

**Task 2: Conceptual Design (30%) Alternatives:** The consultant will provide COMB with conceptual designs (30%) for two alternatives for stream protection of the SCC. At this time it is envisioned that one of the alternatives would include concrete encasement of the SCC and the other would not. The stream protection measures will likely need to provide adequate fish passage for juvenile and adult O.mykiss. As part of this task, the consultant will determine the fish passage flow requirements and incorporate them into the design.

**Task 3: Draft Design (75%) for Consultation:** Based on the conceptual design alternatives, an alternative will be selected and draft 75% design prepared. Draft designs will include proposed access and stream diversion plans. COMB will submit draft design to applicable regulatory agencies for review. The consultant will participate in up to two conference calls with the regulatory agencies.

**Task 4: Final Design (100%) for Construction:** Based on input from the regulatory agencies, the consultant will prepare the final design (100%) for construction.

**Task 5: Bid Services:** The consultant will provide bid documents and construction administration documents.

Per the RFP, each proposal was evaluated and scored based on the following weighted categories: specialized experience and technical competence (30%), availability of key staff (20%), cost of services estimate (20%), proposed technical approach (20%), and records of performance (10%). A summary table of the scores is provided below in Table 1. Proposals were reviewed by COMB technical staff from the Operations and Fisheries Divisions. COMB staff is recommending HDR Engineering Inc. as the most qualified candidate.

**Table 1. Weighted Scores from the Evaluation Process**

| Category                                                                                                             | Weight | AECOM /<br>Questa | Flowers &<br>Associates/<br>NHC | HDR             | Waterways/WSC    |
|----------------------------------------------------------------------------------------------------------------------|--------|-------------------|---------------------------------|-----------------|------------------|
| <b>Total</b>                                                                                                         |        | 85                | 82                              | 92              | 80               |
| <b>Costs</b>                                                                                                         |        | <b>\$75,000</b>   | <b>\$85,000</b>                 | <b>\$70,437</b> | <b>\$53,497*</b> |
| <i>*Baseline scope of work and budget for aggrading channel upstream without evaluating SCC or encasement design</i> |        |                   |                                 |                 |                  |

**FISCAL IMPACTS:**

HDR Inc. will provide design services for a cost estimate of \$70,437. Engineering contract labor funds from fiscal year 2018-19 will be utilized to cover the initial tasks (Tasks 1 and 2). The remaining tasks will be covered in the SCC San Jose Creek Crossing Protective Measures Project budget line item for fiscal year 2019-20 currently set at \$150,000. The budget requires adoption by the COMB Board before budgeted amounts are finalized.

**LEGAL CONCURRENCE:**

The Professional Services Agreement will be reviewed by General Counsel.



**ENVIRONMENTAL COMPLIANCE:**

San Jose Creek is critical habitat to the endangered Southern Steelhead (*Oncorhynchus mykiss*, *O. mykiss*). Stream protection designs will likely require adequate fish passage for *O. mykiss*, and approval from regulatory agencies. At this time, COMB staff plans to apply for permits and interact with regulatory agencies. The engineer will likely need to participate in the permitting process, and will be required to update designs based on consultation with regulatory agencies. The project will likely require RWQCB-401, USACE-404, and CDFW-1600 permits before construction. The Bureau of Reclamation staff will provide the environmental review per NEPA.

**COMMITTEE STATUS:**

The Operations Committee reviewed the proposed engineering costs for design of the SCC San Jose Creek Crossing Protective Measures Project and forwards to the Board with the recommendation to approve and authorize the General Manager to execute a Professional Services Agreement with HDR, Inc. for the SCC San Jose Creek Crossing Protective Measures Project in an amount not to exceed \$70,437.

**LIST OF EXHIBITS:**

N/A

**THIS PAGE INTENTIONALLY LEFT BLANK**

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|               |               |
|---------------|---------------|
| Date:         | May 20, 2019  |
| Submitted by: | Joel Degner   |
| Approved by:  | Janet Gingras |

---

**SUBJECT:** North Portal Access Road Repair Project – Erosion Control

---

**RECOMMENDATION:**

The Board of Directors review the staff report and authorize the General Manager to execute a contract with CalPortland Construction for rock slope protection installation along the North Portal Access Road embankment in an amount not-to-exceed \$80,000.

**SUMMARY:**

The Lake Cachuma North Portal Intake Tower is accessed by a gravel/paved road situated off of State Highway 154 on land owned by Reclamation but managed by COMB. The access road is used by COMB personnel several times a month to maintain the North Portal Intake Tower site, with the periodic use of outside contractors. A right-hand bend exists near the end of the access road which skirts a steep drop off. During the past several years, weather and erosion had significantly destabilized the embankment directly adjacent to that portion of the access road.

Reclamation conducted an environmental compliance review process (NEPA - CEC) and approved the proposed action to repair the access road in May 2017. The nature of the action included realignment, paving, and installation of erosion control material to stabilize the access road at Lake Cachuma's North Portal Intake Tower. In July 2017, the Whittier Fire burned the area surrounding the access road making the road increasingly vulnerable to soil movements from rain storms following the fire. Granite construction completed the road realignment work in October 2017.

In February 2019, a large debris flow occurred in DeVaul Canyon just east of the North Portal access road which resulted in the flooding and closure of Highway 154 for several weeks. While the North Portal access road remained intact, the high flows scoured the embankment downstream of two 42-inch culverts on the access roadway. Erosion control measures are required to stabilize the bank below the culvert outlets and prevent the potential loss of the roadway next winter. The roadway in this exact area had been previously undermined in 1969 and again in 1998 during large flow events that occurred during that time. One culvert was installed in 1969 and an additional culvert was installed in 1998 in order to prevent the flows from over topping the roadway.



As part of the erosion control measures for the North Portal Access Road Repair Project, rock slope protection would be installed below the 42-inch culvert outlets to stabilize the road embankment. Rock is available from two experienced suppliers in the area. COMB has visited the site with each supplier and has solicited a proposal from each vendor. The proposals were reviewed by staff and the lowest cost proposer, CalPortland Construction, is recommended to install the rock slope protection downslope of the culvert which would prevent future erosion and potential damage to the roadway.

**FISCAL IMPACTS:**

The estimated cost of the project is \$80,000 for the transport and placement of rock to stabilize the road embankment beneath the culverts. Funds are available in Fiscal Year 2018-19 budget to complete this project.

**ENVIRONMENTAL COMPLIANCE:**

The NEPA process was performed by Reclamation and a categorical exemption (CEC-17-007) was issued on May 19, 2017 which covered the road repair, including road realignment, paving, and erosion control measures.

**COMMITTEE STATUS:**

The Operations Committee reviewed the staff report and forwards the proposed expenditure to the Board with a recommendation to approve and authorize the General Manager to execute a contract with CalPortland Construction for rock slope protection installation along the North Portal Access Road embankment in an amount not-to-exceed \$80,000.

**LIST OF EXHIBITS:**

N/A

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|               |               |
|---------------|---------------|
| Date:         | May 20, 2019  |
| Submitted by: | Tim Robinson  |
| Approved by:  | Janet Gingras |

---

**SUBJECT: Resolution No. 688 - Quiota Creek Crossing 8 Fish Passage Improvement Project**

---

**RECOMMENDATION:**

The Board of Directors review the staff report including supporting documentation and:

- 1) Authorize the General Manager to pay the Santa Barbara County Encroachment and Permit fees for the Quiota Creek Crossing 8 Project.
- 2) Adopt Resolution No. 688 conditionally approving project expenditures for the construction of the Fish Passage Improvement Project at Quiota Creek Crossing 8 contingent upon release of the temporary indemnification previously provided to Santa Barbara County.
- 3) Authorize the General Manager to execute a purchase order for the prefabricated ConTech Engineered Solutions bottomless arched culvert product for Crossing 8 at a price not to exceed \$320,000 once contingency conditions are satisfied,
- 4) Authorize the General Manager to solicit competitive bids for the construction of the Quiota Creek Crossing 8 Project in amounts not-to-exceed \$754,000 once contingency conditions are satisfied.

**SUMMARY:**

COMB was awarded a 2018 CDFW-FRGP Grant for \$1,010,700 with an obligated COMB construction match of \$50,000 to replace the current temporary bridge and damaged concrete low flow crossing at Quiota Creek Crossing 8. The replacement project consists of a 54-foot bottomless arched culvert with four wing walls and two rock weirs for grade control. The stream channel will be graded to an even slope through the project area to match upstream and downstream conditions. The COMB Board accepted the CDFW-FRGP grant through Resolution No. 682 on January 28, 2019. The total project cost is estimated to be \$1,240,700 with available funding provided by the CDFW-FRGP grant and Warren Act Trust fund. This project is scheduled to be constructed in the fall of 2019 pending Board approval, final design approval, and permit acquisition.

The following is a description of the Crossing 8 Project and the needed approvals to move forward with the project. All permits for the Crossing 8 Project will be acquired before the selected construction contractor initiates the work.

***Project description***

A 54-foot prefabricated bottomless arched culvert is planned to replace the current temporary bridge and damaged concrete low flow crossing at Quiota Creek Crossing 8. The project is being designed to the minimum design standards set by all regulatory agencies. Pending final design approval by Santa Barbara County (County) and California Department of Fish and Wildlife (CDFW in collaboration with the National Marine Fisheries Service (NMFS)), the project will begin as soon as possible in September and

be completed in December of 2019. Final drawings will be sent by the end of June to CDFW-NMFS and Santa Barbara County. All funding for this project has been secured from a CDFW-FRGP grant (\$1,010,700) and a COMB construction match (\$50,000). The funding and project were accepted through Resolution No. 682 by the COMB Board on January 28, 2019. Final design approvals and the Notice to Proceed (NTP) from CDFW-NMFS are anticipated in August. Design approval from the County is also expected by August when full payment of the County Encroachment Permit Fee will be due prior to issuance of the permit. The temporary construction Right-of-Entry Agreements from the two landowners within the project boundary will be obtained shortly.

The quote for the ConTech prefabricated bottomless arched culvert system (plus delivery fees) has not been received but is anticipated to be approximately \$320,000. Justification for sole sourcing the bottomless arched culvert system purchase with ConTech is provided (Exhibit 2). The County Encroachment Permit fee will be approximately \$30,000 and will need to be paid prior to issuance of the permit.

**FINANCIAL IMPACT:**

COMB has committed to a \$50,000 construction match, \$65,727 for staff time (COMB services) and \$121,398 for operational expenses (independent design review, all permit fees, etc.). The COMB proposed budget would provide \$1,176,000 for construction (includes purchase of the bridge) and \$30,000 for design of the project for fiscal year 2019-20. Revenues will cover the costs to purchase the ConTech arch system, construct the project, and provide for general operating expenses. Warren Act Trust Fund revenues are approximately \$230,000. A summary of the project costs are outlined below:

|                                                |                   | <b>FY 2018-20</b>   |
|------------------------------------------------|-------------------|---------------------|
| Estimated Construction Cost                    |                   |                     |
| Construction Estimate (*)                      |                   | \$ 1,073,575        |
| Project Management and Oversight               |                   | 65,727              |
| Operating Expenses                             |                   | 121,398             |
|                                                | <b>Sub Total:</b> | <b>\$ 1,260,700</b> |
| Available Funding                              |                   |                     |
| CDFW Grant (Operating and Construction)        |                   | \$ 1,010,700        |
| Warren Act Trust Fund FY 2019-20               |                   | 250,000             |
|                                                | <b>Sub Total:</b> | <b>\$ 1,260,700</b> |
| Balance to be Funded by Member Agencies        |                   | \$ -                |
| (*) Includes ConTech Invoice for Bridge System |                   |                     |

A summary of ongoing Quiota Creek Crossing 8 Project financials will be presented in monthly memos in the COMB Board packet once the project starts construction.

***Construction Contractor***

Project bid proposals will be solicited in June with anticipation of receiving all bids by the end of June.

**LEGAL CONCURRENCE:**

Prepared documents, including the resolution, have been or will be reviewed by COMB legal counsel.

**ENVIRONMENTAL COMPLIANCE:**

All conditions outlined in the permits for the project will be followed.

**COMMITTEE STATUS:**

The Fisheries Committee reviewed the staff report and supporting materials and forwards the following items to the Board of Directors:

- 1) Authorize the General Manager to pay the Santa Barbara County Encroachment Permit fee for the Quiota Creek Crossing 8 Project.
- 2) Adopt Resolution No. 688 conditionally approving project expenditures for the construction of the Fish Passage Improvement Project at Quiota Creek Crossing 8 contingent upon release of the temporary indemnification previously provided to Santa Barbara County.
- 3) Once contingency conditions are satisfied, authorize the General Manager to execute a purchase order for the prefabricated ConTech Engineered Solutions bottomless arched culvert product for Crossing 8 at a price not to exceed \$320,000.
- 4) Once contingency conditions are satisfied, authorize the General Manager to solicit competitive bids for the construction of the Quiota Creek Crossing 8 Project in amounts not-to-exceed \$754,000.

**LIST OF EXHIBITS:**

- 1) Resolution No. 688
- 2) Non-Competitive Bid (NCB) justification for the purchase of the ConTech product for the Quiota Creek Crossing 8 Fish Passage Improvement Project

**THIS PAGE INTENTIONALLY LEFT BLANK**



**RESOLUTION NO. 688**

**RESOLUTION OF THE GOVERNING BOARD OF THE  
CACHUMA OPERATION & MAINTENANCE BOARD  
CONDITIONALLY APPROVING EXPENDITURES FOR THE  
CONSTRUCTION OF THE FISH PASSAGE IMPROVEMENT AT  
QUIOTA CREEK CROSSING NUMBER 8**

**WHEREAS**, the Cachuma Operation & Maintenance Board (“COMB”) is a joint powers authority and public entity, organized and existing in the County of Santa Barbara in accordance with Government Code Section 6500 et seq., and operating pursuant to the 1996 Amended and Restated Agreement for the Establishment of a Board of Control to Operate and Maintain the Cachuma Project - Cachuma Operation And Maintenance Board, dated May 23, 1996 (“Amended and Restated Agreement”), as amended by an Amendment to the Amended and Restated Agreement made effective September 16, 2003; and as amended by the Second Amendment to the 1996 Amended and Restated Agreement made effective November 20, 2018 (collectively the “Joint Powers Agreement”); and

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

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

**WHEREAS**, in August, 1997, the National Marine Fisheries Service (“NMFS”) listed anadromous steelhead in the Southern California Evolutionarily Significant Unit, including the Santa Ynez River downstream of Bradbury Dam, as an endangered species under the federal Endangered Species Act, and completed and issued on September 11, 2000, a Biological Opinion relative to Cachuma Project operations as they relate to steelhead; and

**WHEREAS**, COMB is committed to implement and cooperate in operations and other management actions designed to protect and enhance habitat conditions for steelhead in the Santa Ynez River and its tributaries downstream of Bradbury Dam; and

**WHEREAS**, the fish passage improvements at Crossing Number 8 on Quiota Creek, a tributary to the Lower Santa Ynez River, will provide improved access to the perennial reaches of Quiota Creek and restore habitat to enhance conditions for steelhead (the “Project”). The Project will replace an existing temporary bridge that was constructed on the remnants of an “at-grade” Arizona-type concrete crossing with a 54-foot prefabricated concrete bottom-less arched culvert (or bridge), which will remain owned, operated and maintained by the County of Santa Barbara. The new bridge system will consist of an internal span of 54 feet and rise approximately 14 feet. A single 18-foot wide lane road surface will be constructed over the top of the arch of the bridge connecting to the existing County road surface; and

**WHEREAS**, COMB has prepared a detailed Scope of Work with specific tasks to be performed, a schedule of completion and a detailed budget that will be used for selection of a construction contractor and construction management of the Project; and

**WHEREAS**, final approval of the Project's 100% design drawings (produced by HDR Fisheries Design Center) by the California Department of Fish and Wildlife ("CDFW"), NMFS fish passage engineers, and Santa Barbara County is expected in the Summer of 2019. The bulk of the on-the-ground construction activities for the Project will be accomplished by a hired contractor who will be determined through a competitive bidding process using a pre-approved CDFW-qualified contractor list. Pending procurement of all necessary permits, the Project will be constructed in the Fall (September – December) 2019, and is expected to take approximately 75 days to complete; and

**WHEREAS**, in 2019, COMB was awarded One Million Ten Thousand Seven Hundred Dollars (\$1,010,700) in CDFW-Fisheries Restoration Grant Program ("FRGP") funding (the "Grant"); and

**WHEREAS**, on January 28, 2019, the COMB Governing Board approved Resolution No. 682 accepting the Grant to fund a significant portion of the total expenditures necessary for the Project; and

**WHEREAS**, COMB estimates that the total expenditures for the Project would be approximately One Million Two Hundred Sixty Thousand Seven Hundred Dollars (\$1,260,700), which would include state grant funding in the amount of \$1,010,700, along with Warren Act funding and assessments from the Member Agencies including a construction match of \$50,000; and

**WHEREAS**, on May 10, 2019, the Project was reviewed and considered by COMB's Fisheries Committee and forwarded to the Governing Board with a recommendation to approve; and

**WHEREAS**, given that the County of Santa Barbara ("County") must issue a variance in approving the Encroachment Permit for the Project, the County now requires that each landowner immediately upstream and downstream of the Project must sign a flood area certificate ("Certificate") that acknowledges a possible change in flood elevations at the highest of design flows (100-year event) due to the installation of the bridge proposed in the Project. The landowners immediately upstream and downstream of the Project have signed their respective Certificate; and

**WHEREAS**, on other, now-completed, projects located at various crossings on Quiota Creek, during the interim period during which COMB sought to secure the signatures of all of the pertinent landowners, consistent with the terms and conditions of the encroachment permit for those other projects, COMB agreed to indemnify and hold harmless the County, its officers, employees and agents for any claims, expense or costs, damages or liability arising out of the Encroachment Permit or occasioned by the performance or attempted performance of this Permit, including those relating to the immediate upstream and downstream landowners (referred to as "Temporary Indemnifications"). The Temporary Indemnifications are for a limited period time, namely, until such time all of the immediate upstream and downstream landowners located near those other projects signed the Certificate and submitted them to the County; and

**WHEREAS**, the COMB Governing Board is being requested to approve and authorize COMB's General Manager to pay the County for the requisite Encroachment and related permit fees for the Project; and

**WHEREAS**, the COMB Governing Board is also being requested to conditionally approve and authorize the expenditure of funds for the construction of the Project, including the purchase and order of a prefabricated arched culvert product and competitive solicitation of a construction contract for the Project, contingent upon the satisfaction of the following two conditions: 1) all of the pertinent landowners at the other projects located on Quiota Creek, where there currently exists a Temporary Indemnification, shall sign any unsigned Certificate; and 2) the County shall release COMB from any existing Temporary Indemnification for other projects located on Quiota Creek (collectively the "Contingency Conditions"); and

**WHEREAS**, the COMB Governing Board is requested to conditionally approve and authorize, upon the satisfaction of the Contingency Conditions, the COMB General Manager to execute a purchase order with ConTech Engineered Solutions for a prefabricated, bottomless arched culvert product to be used in the Project and not-to-exceed \$320,000; and

**WHEREAS**, the COMB Governing Board is requested to conditionally approve and authorize, upon the satisfaction of the Contingency Conditions, the COMB General Manager to solicit competitive bids for the construction of the Project in the amounts not-to-exceed \$754,000.

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

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.
2. The Governing Board authorizes the General Manager to pay the County for the requisite Encroachment and related permit fees for the Project.
3. The Governing Board conditionally authorizes the General Manager to execute a purchase order with ConTech Engineered Solutions for a prefabricated, bottomless arched culvert product to be used in the Project and not-to-exceed \$320,000, contingent upon the satisfaction of the Contingency Conditions.
4. The Governing Board conditionally authorizes the COMB General Manager to solicit competitive bids for the construction of the Project in the amounts not-to-exceed \$754,000, contingent upon the satisfaction of the Contingency Conditions.
5. The Governing Board further authorizes COMB's officers and staff, including the General Manager, to continue to do all things necessary and appropriate, including, but not limited to, execution and delivery of necessary documents, the obtaining of applicable permits, and any other actions to construct and implement the Project using the conditionally approved expenditures.

6. This Resolution shall take effect immediately.

**PASSED, APPROVED AND ADOPTED** by the Governing Board of the Cachuma Operation and Maintenance Board, this 20th day of May 2019, by the following roll call vote:

**Ayes:**

**Nayes:**

**Absent/Abstain:**

**APPROVED:**

---

President of the Governing Board

**ATTEST:**

---

Secretary of the Governing Board

## Quiota Creek Crossing 8 Project

### Non-Competitively Bid (NCB) Contract Justification Corrective Action Plan

**To:** Cachuma Operation and Maintenance Board

**From:** Timothy H. Robinson (Project Manager, COMB) and Michael C. Garello (Design Engineer, HDR)

**Contract:** Procurement of a prefabricated ConTech bottomless arch culvert bridge system for the Quiota Creek Crossing 8 Project as required by the project design.

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

#### A. Factors of Consideration

**1. *Why is the submission of a NCB necessary and what are the determining factors that caused the problem?***

ConTech is the sole vendor for the required 54 foot bottomless arched culvert (arch) system (O-Series) that meets the design criteria for the Quiota Creek Crossing 8 project. In short, there are no other suppliers/vendors that provide the same product, design specifications, and price that are required for the project.

Factors determining that conclusion are as follows:

- California Department of Fish and Wildlife (CDFW), as the grantor, requires the use of qualified and experienced contractors and vendors to perform work and supply materials. The basis for that requirement is to ensure project design specifications and construction meets the obligation to prevent environmental degradation and enhance the steelhead fishery.
- Santa Barbara County (County) requires that the proposed bridge system meet and/or exceed Caltrans design standards for a public road. The specific ConTech arch system proposed for the project satisfies those requirements and was the only vendor that provided the necessary span length and load capacity. Caltrans and other national state Department of Transportations (DOT) recognize that ConTech arch systems are standardized to meet state DOT loading requirements.
- In 2010, COMB's design engineer at HDR with staff conducted a search for the most cost effective bridge or bottomless arched culvert system suitable for replacing low flow concrete stream crossings on Refugio Road where it crosses Quiota Creek. ConTech arch systems were the only product that met that engineering design criteria and esthetics requested by the landowners. The specific ConTech arch system selected was compared to other vendors of bridge or arch system specifically for span length, load capacity, flow conveyance, off-site fabrication, installation ease, cost, esthetics, and service provided by the vendor. The results of the study were presented to COMB Member Unit managers on 3/3/09, the COMB Board on 11/22/10, and

summarized in a design memo (4/22/10). ConTech was the sole vendor to meet the design criteria and requests of the landowners.

- Fabrication of the ConTech product in the Los Angeles or Bakersfield areas reduces shipping costs and oversight expenses incurred by the County and COMB engineers for fabrication oversight required by the County.
- The selected arch system is the initial and central component of the design process. The O-Series provides greater flow conveyance at a lower cost than the B-Series that was used in several previous projects. Once the arch system is determined, the entire project is then designed around that structure. Five similar projects on Quiota Creek (48-foot arch for Quiota Creek Crossing 6 in 2008, a 60-foot arch for Quiota Creek Crossing 2 in 2010, a 60-foot arch for Quiota Creek Crossing 7 in 2012, a 60-foot arch for Quiota Creek Crossing 1 in 2013, a 53-foot arch for Quiota Creek Crossing 3 in 2015, a 55-foot arch for Quiota Creek Crossing 0A in 2016, a 54-foot arch for Quiota Creek Crossing 4 in 2016, a 59-foot arch for Quiota Creek Crossing 5 in 2018, and a 60-foot arch for Quiota Creek Crossing 9 in 2018) have successfully followed this design process, each with substantially reduced design and permit costs due to using the same vendor (ConTech) and arch system.
- The vendor is required to supply shop drawings and calculations to COMB and Santa Barbara County (County) that are provided to a third party for independent review. Therefore, the bridge structure has to be selected, reviewed by the County and an independent engineer, and approved by COMB's design engineer and the County prior to the issuance of the project County Encroachment Permit. ConTech has met this obligation in a timely manner at no cost to COMB.
- ConTech is the only vendor that offers the O-Series product which does carry a patent. Other vendors supply fabricated bridge or arch systems but do not meet the design requirements listed above. Vendors considered and the reasons their product does not meet the obligation and unique design criteria for the current project as provided by HDR are as follows:
  - TechSpan – Height to span ratios are not favorable for Refugio Road applications. This system has a rounded arch that is too tall for the required span and flow conveyance of Quiota Creek along Refugio Road. In addition, foundations are larger and as a result more costly than the ConTech arch system.
  - SFC Bridge Systems – Their maximum span is 48 feet. The design for the Quiota Creek Crossing 8 project requires a 60 foot span.
  - TriCon Precast Limited – Has similar arch systems but their Redi-Arch product comes in spans of 12-42 feet which does not meet the span length requirement for this project. Also they are based and only fabricate in Texas, making for high shipping costs.
  - Oldcastle Precast – Has box and arch style bridge systems with spans 30 feet or less. Their arches are ConTech designed and this fabricator serves as middle man for ConTech.
  - Big-R – Sells steel parallel chord truss bridges. Although they are popular, footing and abutment design and construction costs for this

style of bridge would exceed those of the ConTech arch system. Use of this system would require substantial redesign for a product that costs more than the selected and superior Contech arch system. Also this system is not as esthetic in the eyes of the landowners.

Hence, the required flow conveyance, design, height, span length, minimum load capacity, cost, proximity of the fabricator, and esthetics make the ConTech product unique for the required arch system on Quiota Creek, specifically at Crossing 8.

- The ConTech arch systems provide design flexibility with regard to meeting the combination of height, span, and flow conveyance requirements. The height and span are governed by the conveyance requirement which is 1 foot of freeboard under the bottom chord of the bridge at the 50-year flood event. Other road design and safety factors which govern the vertical curve of the road also support the use of the ConTech arch system. No other vendor is capable of providing this construction flexibility.

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

- The project would not meet the requirements of the County set forth to ensure span length and load capacity.
- The project would have to be completely redesigned for an alternative bridge / arch system. This would require reconfiguring the foundations, re-analyzing the hydraulic design for flow conveyance under the structure, and determining the required scour protection for the foundations, rock slope protection, and associated embankment fill and revegetation.
- A redesign would result in further engineering costs both in design and review for the bridge/arch system, road, embankments, in-stream structures, and revegetation.
- The County Encroachment Permit fee would increase due to lack of familiarity with a different structure.
- Other bridge/arch system may increase the size of the project specifically if the County does not grant variances. Currently COMB has received five design variances for each of the Quiota Creek projects that cumulatively reduce the size and subsequently the cost of the project while maintaining road safety standards, fish passage, the rural esthetics of the area, and landowner cooperation. Without those variances, the project would cost significantly more and would not be of the same rural character or be acceptable to the landowners.

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

- COMB's staff and design engineer at HDR continue to study the market, technologies, and availability of bridge/arch systems. If a better system comes onto the market at less cost, it will be evaluated in comparison with the current ConTech arch system.
- To date, alternative bridge/arch systems have failed to meet County design standards specifically for minimum load bearing and flood conveyance; for example a multiple recessed box culvert that was proposed for one of the

Quiota Creek crossings. Staff will continue to work closely with the County on our designs so that we propose projects with products that are acceptable to the County standards and design criteria.

- The vendor product selection is determined by the unique setting of each project regarding geologic, hydrologic, and fluvial geomorphic characteristics. Quiota Creek Crossings 0 through 9 have very similar characteristics and the ConTech arch system is particularly well suited for those conditions. Where other bridge options are appropriate in design and economically viable, and appropriate, they are being evaluated.

## **B. Price Analysis**

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

- COMB's project engineering team evaluated and conducted a design and price comparison and found the ConTech arch system to meet design and price obligations.
- The required product is just not available from other vendors or prefabricators.

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

- Due to the sign of the vendor and their volume of sales, the supplier is able to provide to COMB at no cost signed and sealed Shop Drawing and calculations required for project design evaluation; a benefit that other vendors cannot provide.
- COMB and HDR review costs are expedited by using nearly identical products for each of the Quiota Creek projects to date.
- Spread footings are much easier to design and construct than are typical footings and abutments required by other bridge/arch systems.





### 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."*

May 20, 2019

## **General Manager Report**

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

### Administration

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

The Department of Water Resources (DWR) released the Final Integrated Regional Water Management (IRWM) Grant Program documents on April 22<sup>nd</sup>. The documents included the 2019 IRWM Grant Program Guidelines and Round 1 Implementation Grant Proposal Solicitation Package (PSP). Upon review of the documents, COMB staff determined that the Water Quality and Sediment Management Study (Project) may be eligible for funding. Prior to the release of the final documents, the Project was considered to be ineligible because the draft Proposal Solicitation Package (PSP) indicated that all projects were required to have a construction/implementation component.

During the first half of May, DWR has hosted two applicant assistance webinars in which staff participated. The focus of the webinars was to highlight changes between the draft and final versions of the 2019 Guidelines and Implementation PSP. In addition, DWR staff presented an overview of the application process and left ample time for Q&A. During the Q&A portion of the webinar, the DWR IRWM Implementation Program Manager indicated that projects not including a construction/implementation element could be eligible for funding if they meet the criteria of a Decision Support Tool.

The Water Quality and Management Study Project sufficiently meets the criteria for a Decision Support Tool by helping support near-term operational and long-term infrastructure improvement project decisions. In the near-term, water quality and sediment data collected will provide information for operations of the intake gates, water column location to potentially construct emergency pumping facility intakes, and operational changes which could improve water quality deliveries and limit sedimentation. In the long-term, data collected will educate decision-makers as to whether in-lake treatment options (aeration, biological controls, etc.), watershed projects (controlled burns, sediment management, etc.), or treatment plant operations will produce the greatest regional water quality benefit at the lowest cost.

Although the project appeared to be eligible based on the definition of a Decision Support Tool provided in final documents, on projects where there has been a question of eligibility, the Santa Barbara County IRWMP subcommittee requested a written confirmation of project eligibility from DWR. COMB staff sent an updated project description and draft Project Information Form (PIF) to DWR, requesting written confirmation regarding eligibility of the project. DWR responded, stating that based on the provided information, it *appeared* that the Project is an eligible project type for the IRWM Implementation Grant Program under the definition of a Decision Support Tool. It should be noted that this confirmation constitutes informal feedback, and a final determination would be executed during the official Completeness and Eligibility Review by DWR.

COMB staff forwarded the written response from DWR to the Santa Barbara County IRWM consultant who manages the local grant program. COMB requested that the subcommittee reconsider the Project. The IRWMP sub-committee is meeting next week to update the rubric and refine the project scoring to more closely align with the region's most critical water needs, response to climate change, and regional water self-reliance.

- **Mobile Office Building Purchase**

Staff has obtained proposals from two manufactures for the purchase and installation of a new mobile office building as previously outlined in the current fiscal year budget. The design specifications of the project are under internal review and the proposal will be presented to the Administrative Committee prior to the Board upon completion of review and refined information on related construction component costs.

Engineering / Operations Division

- **Work Plan Projects**

Staff has been in the process of completing COMB identified work plan projects in addition to routine maintenance of the Cachuma Project conveyance system. These projects include replacement of a top section (4 feet) on an open air vent in the upper reach, additional Lake Cachuma water quality samples to support the on-going water quality and sediment management program, fallen/dead tree removal from Lauro Reservoir and the Sheffield West Portal areas, a culvert repair in the lower reach right-of-way, electrical repair of the intake tower transformer, and SCADA evaluation and condition assessment for upgrade preparation.

Respectfully Submitted,

*Janet Gingras*  
General Manager

# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** May 20, 2019

**TO:** Janet Gingras, General Manager

**FROM:** Joel Degner, Water Resources Engineer  
Dave Stewart, Operations Division Manager

**RE: WATER RESOURCES ENGINEER/OPERATIONS REPORT**

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

### **CLIMATE CONDITIONS**

The Santa Barbara County year to date rainfall is 119 percent of normal (as of May 14, 2019). The inflow into Lake Cachuma has exceeded 100,000 AF in Water Year 2018-2019. El Niño is likely to continue through the Northern Hemisphere during summer 2019 (70% chance) and fall (55-60% chance) according to the National Weather Service Climate Prediction Center. The antecedent moisture index at Gibraltar Dam is 7.7 indicating moderate soil wetness conditions. Gibraltar Reservoir is at 100% capacity and continues to spill contributing inflow into Lake Cachuma.

### **LAKE CACHUMA CONVEYANCE FEASIBILITY STUDY**

Makai Ocean Engineering incorporated comments from COMB regarding the draft technical memorandums for the Lake Cachuma Conveyance Feasibility Study and has completed the final report. The overall rough-order of magnitude cost for the installation of the bottom-mounted pipeline component to Site 1 is estimated to be \$1,950,000 million of which \$1,103,000 or 56 percent of the cost is attributed to pipeline purchase and assembly. The remaining costs are associated with excavation, pressure test, and deployment (\$266,000), barge modifications, (\$73,000), pipeline anchoring (\$355,000), and engineering design costs (\$150,000).

### **LAKE WATER QUALITY AND SEDIMENT MANAGEMENT STUDY**

Woodard and Curran completed an initial data gap analysis on current monthly water quality sampling efforts. Additional water quality samples were taken in Lake Cachuma and from its tributaries on April 23rd and April 29th by COMB staff based on the data gap analysis. The sampling focused on nutrients (phosphorous, nitrogen, and carbon) in different portions of the lake and nutrient concentrations from the tributaries (Santa Cruz Creek, Tequipis Creek, and Santa Ynez River). Lake profiles were also taken at the Hilton Creek Watering System Intake and Intake Tower (see Figure 1 and 2). The technical review team will meet for a second time in early June to discuss the results of the issue characterization and trends assessment. This will complete Phase 1 of the study. These analyses will be utilized to develop the potential solutions, decision support tools, and best management practices in Phase 2 which is planned for Fiscal Year 2019-2020. Staff has re-submitted the project for consideration for IRWMP Proposition 1 Grant Funding, as a project to develop decision support tools is potentially eligible for grant funding.



Santa Cruz Creek looking upstream from sampling location (just upstream from Lake Cachuma) – April 23, 2019.



Tequipis Creek looking upstream from sampling location (near bridge by Mohawk Campground) – April 23, 2019.

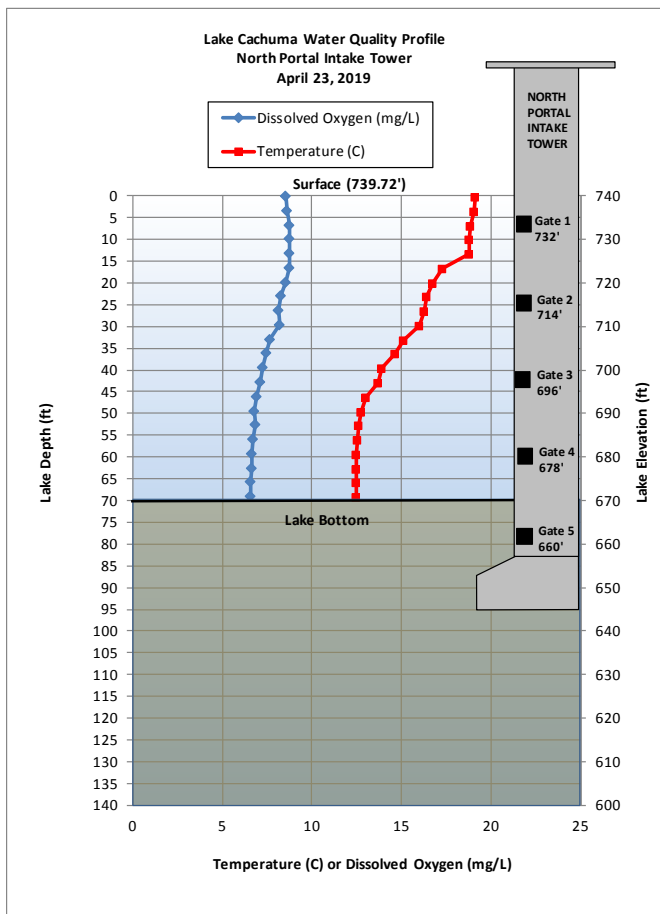


Figure 1. Lake Profile at the North Portal Intake Tower

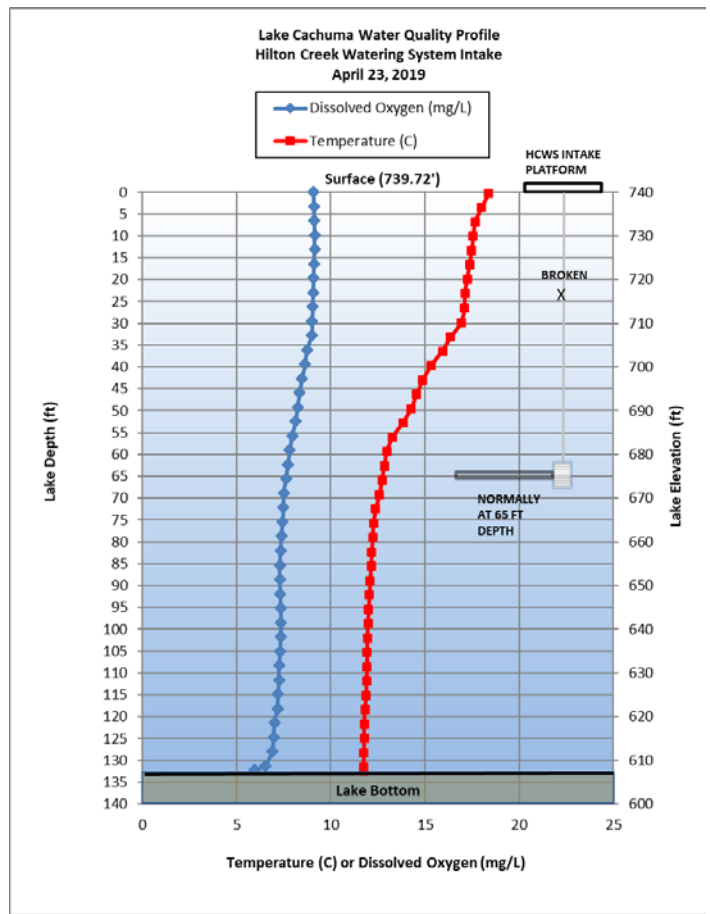


Figure 2. Lake Profile at the Hilton Creek Watering System

## INFRASTRUCTURE IMPROVEMENT PLAN PROJECT STATUS

Table 1 provides a summary of the FY 2018-2019 Infrastructure Improvement Projects. COMB staff continued to work on the infrastructure improvement plan update developing project descriptions and ranking criteria.

**Table 1. Infrastructure Improvement Projects Status**

| Infrastructure Improvement Projects                      | Status / Phase                                                                                                                                                                                                                                                                                                          | Complexity / Challenges                                                                                                                                                                                   | Estimated Completion Date                                                             |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Infrastructure Improvement Projects</b>               |                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                           |                                                                                       |
| Sycamore Canyon Slope Stabilization                      | Three bids were received May 8th. With Board approval construction will likely start in July.                                                                                                                                                                                                                           | Several components (permitting, potential for winter rains, and grant funding) resulted in a delay of the project to 2019.                                                                                | End of September 2019                                                                 |
| SCC Structure Rehabilitation (AVAR/BO)                   | Schedule D and E air vent and blowoff structures were reviewed by COMB staff.                                                                                                                                                                                                                                           | Work in Montecito may require a line valve to facilitate shutdowns.                                                                                                                                       | Schedule A, B, C completed. Schedule D and E planned for winter 2019-2020.            |
| Lateral 3 Repair                                         | Construction was completed in early December.                                                                                                                                                                                                                                                                           | This project required a 7-day shutdown and welders to enter the SCC and travel ~1000 feet.                                                                                                                | Completed in December 2018.                                                           |
| Rehabilitate San Antonio Creek Blow-off                  | Valves and piping were replaced in early December 2018. A minor amount of additional work is needed to install the floorstands and stem extensions.                                                                                                                                                                     | The valves were replaced in 2018. Floorstands were not installed due to a delay in shipment in the stem extensions. Floorstands and stem extensions will be installed once conditions dry out for access. | Valves replaced in December 2018, with minor finish work to be completed in June 2019 |
| SCC Line Valves for Shutdown                             | The isolation valve would be installed as part of the planned AVAR/BO work in the Montecito Area next winter. Engineering plans will be developed in spring based on previously installed in-live valves. However, the in-line valve installation will likely not require a bypass.                                     | Additional line valves in the SCC could better facilitate planned maintenance activities.                                                                                                                 | Design by June 2019                                                                   |
| SCC Structure Rehabilitation : Lower Reach Laterals      | The engineering work assessing the condition and existing design of each lateral turnout has been initiated. COMB and CVWD staff and consultant met April 29th to discuss the preliminary designs and project details.                                                                                                  | In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves may need replacement.                                                                                                      | Plan/Design by June 2019                                                              |
| <b>Special Projects</b>                                  |                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                           |                                                                                       |
| Emergency Pumping Facility Project                       | Key components barge are currently being stored under contract. Change Order 18 was completed to continue to store these components as part of the EPFP contract at one half the previous storage costs. The pipeline to reach Site 1 was floating in the lake and relocated to the high-level lake shoreline in April. | With the increase in lake levels, the lake elevation is projected to remain above 685 until the Summer/Fall 2021.                                                                                         | TBD                                                                                   |
| Lake Cachuma Water Quality and Sediment Management Study | The 1st Technical Review meeting was conducted on March 29th to determine issue prioritization and discuss data gaps. The 2nd Technical Review meeting is scheduled to occur in early June to review issues characterization and trend assessment.                                                                      | Recent wildfires and subsequent storm events have resulted in decreased water quality and increased sedimentation into Lake Cachuma.                                                                      | June 2020                                                                             |

**MONTHLY OPERATIONS**

The Operations Division of the Cachuma Operation and Maintenance Board has the responsibility to operate, repair and maintain all Cachuma Project facilities from the Intake Tower at Lake Cachuma to the Carpinteria Reservoir. The Annual Work Plan sets forth all activities necessary to ensure system reliability. Consistent with the Plan, Operation and Maintenance staff performs routine maintenance on the distribution and storage system. Staff continues to improve the system, address deficiencies and identify items to be included in the Infrastructure Improvement Program of work. Operations Division is responsible for:

- Adequately regulating and maintaining the diversion of water from Lake Cachuma to the South Coast via the Tecolote Tunnel as the primary water source for 5 communities.
- Operation and maintenance of the South Coast Conduit pipeline, which consist of 26.5 miles of pipeline with a combined 124 blow off and air vent structures, 43 turnout structures and 20 meters.
- Operation and maintenance of four regulating reservoirs.

| South Coast Conduit - Structure Inventory |                                                              |                    |               |                               |        |           |           |          |                |        |            |             |                         |
|-------------------------------------------|--------------------------------------------------------------|--------------------|---------------|-------------------------------|--------|-----------|-----------|----------|----------------|--------|------------|-------------|-------------------------|
| Reach                                     | Endpoints                                                    | Linear Length (ft) | Pipe Diameter | Regulating Storage Reservoirs | Meters | Air Vents | Blow-Offs | Turnouts | Open Air Vents | Valves | Valve Size | Slide Gates | Capacity / Volume (gal) |
| Upper                                     | Glen Annie Turnout (S. Portal) - Cater Water Treatment Plant | 64,050             | 48"           | 2                             | 5      | 32        | 35        | 18       | 2              | 115    | 4" - 48"   | 7           | 6,017,421               |
| Lower                                     | Cater Water Treatment Plant - Carpinteria Reservoir          | 90,910             | 27" - 36"     | 2                             | 15     | 26        | 31        | 42       | 4              | 144    | 4" - 36"   | -           | 3,190,171               |

Operations staff regularly performs the following duties:

- Weekly off site inspections of major facilities
- Structure maintenance on all air vent, blow off and turnouts
- Dam inspection and instrumentation reports (all reservoirs)
- Annual exercising of control valves
- Quarterly meter calibrations
- Weekly safety meetings
- Weekly rodent bait (all reservoirs)
- Weekly toe drain and piezometer reads at Ortega (L23)
- USA Dig Alerts – Respond 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 building

**LAKE CACHUMA OPERATIONS**

The total flow from Lake Cachuma into the Tecolote Tunnel for April was 1,128 acre-feet, for an average daily flow of 37.6 acre-feet. Lake elevation was 738.61 feet at the beginning of April and 739.47 feet at the end of April. Storage change increased 31,201 acre-feet. CCWA wheeled 0.0 acre-feet of water to Cachuma Project facilities. The Hilton Creek Watering System was not operational in the month of April, due to issues with electrical system on the pumping barge and intake system. Water was delivered to Hilton Creek via dam outlet works through the emergency backup system, which prevents the delivery of CCWA water into the lake.

## **SOUTH COAST CONDUIT OPERATIONS**

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

- Staff assisted with the replacement of the electrical transformer on the North Portal Intake Tower hoist.
- Staff repaired sections of the log boom surrounding the North Portal intake tower installed new shackles between boom sections.
- Staff observed Kenney Construction Inc. in the repair a culvert outlet in the lower reach. The conduit was exposed at the bottom of the culvert. A reinforced concrete cap was installed over the conduit and a grouted rock channel above the conduit was repaired.
- Staff observed Cushman Contracting Corporation in the removal of a 4 ft-tall corroded vault section and lid on the 78+00 open air vent in the upper reach of the system. The concrete inside of the vent structure below the top vault section was in good condition. The vault section and lid were replaced with an existing structure with epoxy coated vent screens and lid. This work completed Bureau Recommendation 2010-2-E. An access ladder inside the vent structure is corroded and no longer functional and will be removed during a shutdown and with the use of special equipment.
- Staff completed weed abatement at the North Portal, Ortega, and Carpinteria Reservoirs and is currently working on Glen Anne Reservoir and South Portal Road.
- Staff observed Mark Crane Tree services removing a large fallen oak tree at Lauro Reservoir and two dead trees at the West Portal to the Sheffield Tunnel. Staff assisted with the transport of wood and mulch.
- Staff assisted in supplemental in-lake and tributary water quality samples.
- Staff inspected and researched lateral structures for Lower Reach Lateral Rehabilitation project.
- Staff inspected and reviewed air vents and blowoff scheduled for rehabilitation next winter in the Montecito area (Schedule D and E).



## North Portal Intake Tower Maintenance



*North Portal Intake Tower hoist electrical transformer replacement*



*North Portal Intake Tower log boom shackle replacement*



## Lower Reach 304+40 Culvert Outlet Repair



*Exposed section of South Coast Conduit downstream of culvert outlet*



*Conduit excavated by hand and reinforcement added prior to pouring concrete cap*



*Rock and concrete channel placed over 6" reinforced concrete cap on SCC*



## Open Air Vent – Station 78+00 Rehabilitation



*Open air vent on upper reach (raw water) with corroded vents/lid*



*Top vault section and lid removed*



*Top vault section replaced with vents and lid epoxy coated.*



## Ortega Reservoir Weed Abatement



*Ortega Dam face before weed abatement*



*Ortega Dam face after weed abatement*

**THIS PAGE INTENTIONALLY LEFT BLANK**

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

**DATE:** May 20, 2019  
**TO:** Janet Gingras, General Manager  
**FROM:** Tim Robinson, Fisheries Division Manager  
**RE: FISHERIES DIVISION REPORT**

**HIGHLIGHTS:**

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

In compliance with the 2000 Cachuma Project Biological Opinion (BiOp) (NMFS, 2000) and as described in the 2004 Lower Santa Ynez River Fish Management Plan (SYRTAC, 2000) and the Monitoring Program in the 2000 Revised Biological Assessment (BA), the COMB Fisheries Division (FD) staff conducts routine monitoring of steelhead/rainbow trout and their habitat on the Lower Santa Ynez River (LSYR) below Bradbury Dam. The following is a list of activities carried out by COMB-FD staff since the last COMB Board Fisheries Division Report and has been broken out by categories.

**LSYR Steelhead Monitoring Elements:**

**Lake Profiles:** Lake Cachuma water quality measurements (temperature, dissolved oxygen concentration solids and turbidity) at one meter intervals from the surface to the bottom of the lake (Lake Profile) are taken once a month at the Hilton Creek Watering System (HCWS) intake barge. This is considered to be near the deepest point in the lake and allows for monitoring of lake stratification, water quality conditions at the intake level for the HCWS and lake-turnover. Due to the drought and the need to carefully monitor Lake Cachuma, lake profiles are being taken monthly throughout the year and are reported in the Annual Monitoring Summary.

**Migrant Trapping:** The 2019 Trapping Plan was provided to Reclamation in January who then submitted it to NMFS. This monitoring effort normally begins in January and continues through May depending on streamflow rates. This year the Hilton Creek and Salsipuedes Creek traps were installed on 1/23/19. The LSYR Mainstem Trap was installed in association with the Passage Supplementation Program on 2/7/19 and removed on 3/27/19 due to low flow. Traps are removed during high flow events for safety of the staff, fishery and equipment, or if flows are too low to enable migration. The Santa Ynez River Lagoon opened on 1/18/19 and continues to be open for river-ocean connectivity. Results of the trapping program are presented in the Annual Monitoring Report.

**Redd Surveys:** Redd surveys are conducted every two weeks from mid-January through May. Surveys are conducted within the LSYR mainstem in the Highway 154, Refugio, and Alisal reaches where access is permitted, and certain sections of Hilton, Quiota, and



Salsipuedes/El Jaro creeks. Spawning activity has only been observed so far in Hilton Creek in multiple locations and in Quiota Creek. Many young of the year *O. mykiss* have been observed throughout the wetted section of Hilton Creek. The number of redds is reported in the Annual Monitoring Plan.

**Passage Supplementation:** USBR initiated the Passage Supplementation Program in February once the watershed met all established criteria. The implementation guidelines are presented in the 2000 BiOp and the 2004 AMC memo. Supplemented stormflow events were conducted on 2/6/19 (9 days), 2/15/19 (16 days), and 3/4/19 (18 days). Each supplementation event used approximately 705 af, 1,104 af, and 1,497 af, respectively, for a total of 3,307 af leaving a 107 af over allocation of the FPSA. USBR has determined that Hilton Creek releases during Passage Supplementation events are debited to the FPSA. So far, no migrating *O. mykiss* have been observed at the LSYR Mainstem Trap during all events. No further passage supplementation will be conducted this water year.

**Hilton Creek Stormflow Condition:** Winter storms continue to provide upper basin flow that has flushed down sediment from the Whitter Fire burn scar. Sediment load has been reducing with time although the majority of pool habitats continue to be partially or completely filled with sediment.

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

#### **Tributary Project Updates:**

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

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

**HCWS and HCEBS:** The HCWS and HCEBS are owned, operated, and maintained by USBR. The HCEBS was completed at the end of January 2016. USBR technical staff has visited the HCWS several times in April and May to further assess the situation with their inoperable system and made a list of equipment needed for the determined repairs. The timeframe on those identified repairs has yet to be determined but it will not be available for use anytime soon. Currently USBR is delivering water to the Hilton Creek through the HCEBS by gravity flow to the Upper Release Point.

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

The following table summarizes the amount of surcharge water used to date from each of the three accounts plus project yield at the end of last month (Table 1). All numbers are from USBR's Daily Operations Report. The start time for the use of the Surcharge Water Accounts and Project Yield was 5/27/11, or the day following the last day of full surcharge and end of the last spill event. As of May 2012, all of the fish rearing accounts have been used and USBR is now using Project Yield to meet BiOp target flows. Water Right (WR 89-18) release durations since 2013 are noted as

follows: 7/15/13 - 12/2/13, 8/18/14 -11/11/14, 8/3/15 - 9/26/15, 7/12/16 - 8/29/16, 8/21/17 - 11/8/17, and 8/6/18 – 9/12/18. During these releases, no fish rearing releases are debited as WR 89-18 releases are used conjunctively with fish flows under the Cachuma Project Settlement Agreement. The Adaptive Management Committee (AMC) called for two releases from the Adaptive Management Account (AMA), 35 acre-feet in October 2012 and 114 acre-feet in June 2013. The remaining amount in the AMA is 351 acre-feet. All of the Fish Passage Supplementation Account (FPSA) has been used as explained above. Passage Supplementation was initiated in February and ended in March hence debited waters are reflected in the table.

**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              | 3,307                | -107                    |
| <b>Adaptive Management</b>                                                                                                                         | 500                | 149                  | 351                     |
| <b>Fish Rearing***</b>                                                                                                                             | 5,484              | 5,484                | 0                       |
| <b>Project Yield</b>                                                                                                                               |                    | 16,000               |                         |
| <b>Total:</b>                                                                                                                                      | <b>9,184</b>       | <b>24,939</b>        | <b>244</b>              |
| * Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.                                                                                  |                    |                      |                         |
| ** Values as of 4/30/19.                                                                                                                           |                    |                      |                         |
| *** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts. |                    |                      |                         |

**Reporting / Outreach / Training:**

**Reporting:** Staff continues to work on the Annual Monitoring Reports (the USBR report) and the Annual Monitoring Summaries (the COMB report) as well as any other BiOp compliance measure as requested by USBR.

**Outreach and Training:** 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. The COMB Fisheries Division manager attended the annual SRF Conference in Santa Rosa at the end of April. Staff in collaboration with USBR participated in a field tour for a college group from Cal State Northridge that was interested in water supply, the Santa Ynez River watershed, and steelhead.

**Consultant Activity Summary:**

**HDR Fisheries Design Center** (Mike Garelo) – Design and reporting work for the Quiota Creek Crossings 5, 8 and 9 projects.

**THIS PAGE INTENTIONALLY LEFT BLANK**



# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

|               |                              |
|---------------|------------------------------|
| Date:         | May 20, 2019                 |
| Submitted by: | Tim Robinson and Scott Volan |
| Approved by:  | Janet Gingras                |

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

**SUMMARY:**

***Maintenance***

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since July, 2018 to the present (7/1/18 – 5/20/19, Table 1). Labor and expenses for the entire fiscal year (July 2018 - June 2019) as well as water usage will be tracked separately and reported as necessary as recommended by the Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division seasonal employees to conduct the majority of oak tree work in the field. The 2015 Lakeshore Inventory was completed and reviewed by the Lake Cachuma Oak Tree Committee on 2/25/16, which set the mitigation number for the program. The 2017 Annual Inventory and Fiscal Year 2017-2018 Financial Report has been reviewed and approved by the Lake Cachuma Oak Tree Committee on 8/1/18 with suggested recommendations for the upcoming fiscal year.

**Table 1:** Cachuma Oak Tree Program completed tasks since July, 2018.

|                                     | July 2018              | Aug 2018                          | Sept 2018           | Oct 2018            | Nov 2018            | Dec 2018 <sup>2</sup> | Jan 2019 <sup>2</sup> | Feb 2019 <sup>2</sup> | Mar 2019 <sup>3</sup> | April 2019           | May 2019            |
|-------------------------------------|------------------------|-----------------------------------|---------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|---------------------|
| <b>Year 10 Oaks<br/>(2018-2019)</b> |                        |                                   |                     |                     |                     | Planted               | Planted               |                       |                       | Irrigated<br>Weeded  |                     |
| <b>Year 9 Oaks<br/>(2016-2017)</b>  | Irrigated<br>Weeded    |                                   | Irrigated<br>Weeded | Irrigated<br>Weeded |                     |                       |                       |                       |                       | Weeded<br>Deer Cages | Irrigated<br>Weeded |
| <b>Year 8 Oaks<br/>(2015-2016)</b>  | Irrigated<br>Weeded    | Irrigated<br>Weeded               | Irrigated<br>Weeded | Irrigated<br>Weeded | Irrigated<br>Weeded |                       |                       |                       |                       | Weeded<br>Deer Cages | Irrigated<br>Weeded |
| <b>Year 7 Oaks<br/>(2014-2015)</b>  | Irrigated<br>Weeded    | Irrigated<br>Weeded<br>Deer Cages | Irrigated<br>Weeded | Irrigated<br>Weeded | Irrigated<br>Weeded |                       |                       |                       |                       |                      | Irrigated<br>Weeded |
| <b>Year 6 Oaks<br/>(2010-2011)</b>  | Irrigated <sup>1</sup> |                                   |                     |                     |                     |                       |                       |                       |                       |                      |                     |
| <b>Year 5 Oaks<br/>(2009-2010)</b>  | Irrigated <sup>1</sup> |                                   |                     |                     |                     |                       |                       |                       |                       |                      |                     |
| <b>Year 4 Oaks<br/>(2008-2009)</b>  | Irrigated <sup>1</sup> |                                   |                     | Deer Cages          | Deer Cages          |                       |                       |                       |                       |                      | Deer Cages          |
| <b>Year 3 Oaks<br/>(2007-2008)</b>  | Irrigated <sup>1</sup> |                                   |                     | Deer Cages          | Deer Cages          |                       |                       |                       |                       |                      | Deer Cages          |
| <b>Year 2 Oaks<br/>(2006-2007)</b>  | Irrigated <sup>1</sup> |                                   |                     |                     |                     |                       |                       |                       |                       |                      |                     |
| <b>Year 1 Oaks<br/>(2005-2006)</b>  | Irrigated <sup>1</sup> |                                   |                     |                     |                     |                       |                       |                       |                       |                      |                     |

<sup>1</sup> Stressed trees irrigated.

<sup>2</sup> Oak tree inventory (Year 1-9).

<sup>3</sup> Oak tree inventory (Year 10).

The irrigation season is now in full swing with little rainfall being realized in April and the first two weeks in May. By the first week in May, the Year 9 and Year 10 trees had already been watered. Fisheries Division personnel are now watering the Year 7 and Year 8 trees at Bradbury Dam, the Santa Barbara County Park and Storke Flat. Crews are hand weeding inside of the cages during irrigation. With the trapping season winding down, two irrigation teams will be utilized on a more regular basis during the dry season.

The COMB Operations crew will assist the Fisheries Division in mowing and grading the oak tree access roads at Bradbury Dam and Storke Flat in the coming weeks. This is done on an annual basis as a fire safety precaution to prevent weeds from coming into contact with the undercarriage of vehicles while servicing the oak trees.

**RECOMMENDATION:**

For Board information only.

**LIST OF EXHIBITS:**

**CACHUMA OPERATION AND MAINTENANCE BOARD**

**METERED USE REPORT FOR APRIL 2019**

| 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                                           |      | 306.77               | 18+62                                                     | G. WEST                                  | 77.12                |
| Boundary Meter - West                                           |      | (0.02)               | 78+00                                                     | Corona Del Mar FILTER Plant              | 430.01               |
|                                                                 |      |                      | 122+20                                                    | STOW RANCH                               | 0.00                 |
|                                                                 |      |                      |                                                           | Raytheon (SWP) (Warren Act Contract)     | 0.00                 |
|                                                                 |      |                      |                                                           | Morehart (SWP) (Warren Act Contract)     | 0.00                 |
|                                                                 |      |                      |                                                           | SWP CREDIT (Warren Act Contract)         | (70.90)              |
|                                                                 |      |                      | <b>TOTAL</b>                                              |                                          | <b>436.24</b>        |
|                                                                 |      |                      | <b>MONTECITO WATER DISTRICT</b>                           |                                          |                      |
|                                                                 |      |                      | 260+79                                                    | BARKER PASS                              | 58.13                |
|                                                                 |      |                      | 386+65                                                    | MWD YARD                                 | 48.48                |
|                                                                 |      |                      | 487+07                                                    | VALLEY CLUB                              | 0.00                 |
|                                                                 |      |                      | 499+65                                                    | E. VALLEY-ROMERO PUMP                    | 48.84                |
|                                                                 |      |                      | 510+95                                                    | MWD PUMP (SWD)                           | 12.14                |
|                                                                 |      |                      | 510+95                                                    | ORTEGA CONTROL                           | 2.01                 |
|                                                                 |      |                      | 526+43                                                    | ASEGRA RD                                | 5.03                 |
|                                                                 |      |                      | 555+80                                                    | CO. YARD                                 | 0.00                 |
|                                                                 |      |                      | 583+00                                                    | LAMBERT RD                               | 0.00                 |
|                                                                 |      |                      | 599+27                                                    | TORO CANYON                              | 0.10                 |
|                                                                 |      |                      |                                                           | SWP CREDIT (Warren Act Contract)         | (174.73)             |
|                                                                 |      |                      | <b>TOTAL</b>                                              |                                          | <b>0.00</b>          |
|                                                                 |      |                      | <b>CITY OF SANTA BARBARA</b>                              |                                          |                      |
|                                                                 |      |                      | CATER                                                     | INFLOW                                   | 1077.35              |
|                                                                 |      |                      | Gibraltar                                                 | PENSTOCK                                 | (491.20)             |
|                                                                 |      |                      | CATER                                                     | SO. FLOW                                 | (621.86)             |
|                                                                 |      |                      | Sheffield                                                 | SHEF.LIFT                                | 121.56               |
|                                                                 |      |                      |                                                           | SWP (Warren Act)                         | (15.40)              |
|                                                                 |      |                      |                                                           | La Cumbre Mutual SWP (Internal Transfer) | (39.00)              |
|                                                                 |      |                      |                                                           | La Cumbre Mutual SWP (Warren Act)        | (4.61)               |
|                                                                 |      |                      | <b>TOTAL</b>                                              |                                          | <b>26.85</b>         |
|                                                                 |      |                      | <b>SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1</b> |                                          |                      |
|                                                                 |      |                      | COUNTY PARK, ETC                                          |                                          | 1.85                 |
|                                                                 |      |                      | <b>TOTAL</b>                                              |                                          | <b>1.85</b>          |
|                                                                 |      |                      | <b>BREAKDOWN OF DELIVERIES BY TYPE:</b>                   |                                          |                      |
|                                                                 |      |                      | STATE WATER DELIVERED TO LAKE                             |                                          | 0.00                 |
|                                                                 |      |                      | STATE WATER TO SOUTH COAST (including from storage)       |                                          | (383.54)             |
|                                                                 |      |                      | <b>METERED DIVERSION</b>                                  |                                          | <b>692.78</b>        |
| SWP CREDIT (Warren Act Contract) (78.90)<br><b>TOTAL 227.84</b> |      |                      |                                                           |                                          |                      |
| Note:<br>Meter reads were taken on: 4/30/2019                   |      |                      |                                                           |                                          |                      |

**WATER YEAR 18-19 CACHUMA PROJECT ALLOCATION**

**CACHUMA OPERATION AND MAINTENANCE BOARD  
WATER PRODUCTION AND WATER USE REPORT  
FOR THE MONTH OF APRIL 2019 AND THE WATER YEAR TO DATE (WYTD) <sup>(1)</sup>**

(All in rounded Acre Feet)

| <b>CACHUMA PROJECT</b>                  |                |                |
|-----------------------------------------|----------------|----------------|
| <b>WATER PRODUCTION:</b>                | <b>MONTH</b>   | <b>WYTD</b>    |
| Cachuma Lake (Tec. Diversion)           | 1,116.7        | 6,022.9        |
| Tecolote Tunnel Infiltration            | 94.7           | 579.5          |
| Cachuma Lake (County Park)              | 1.9            | 10.8           |
| <b>Subtotal - Water Production</b>      | <b>1,213.3</b> | <b>6,613.2</b> |
| <b>WATER DELIVERIES:</b>                |                |                |
| State Water Diversion                   | 383.5          | 4,729.5        |
| Cachuma Diversion                       | 692.8          | 1,800.7        |
| Storage gain/(loss)                     | 94.3           | 56.7           |
| <b>Subtotal - Water Deliveries</b>      | <b>1,170.6</b> | <b>6,586.9</b> |
| <b>Total Water Production</b>           | <b>1,213.3</b> | <b>6,613.2</b> |
| <b>Total Water Deliveries</b>           | <b>1,170.6</b> | <b>6,586.9</b> |
| <b>Difference = Apparent Water Loss</b> | <b>42.7</b>    | <b>26.2</b>    |
| <b>% Apparent Water Loss</b>            | <b>3.52%</b>   | <b>0.40%</b>   |

**SCC APPARENT WATER LOSS ALLOCATION (AWL) <sup>(4)</sup>**

|                                                           | <b>GWD</b>   | <b>SB CITY</b> | <b>MWD</b> | <b>CVWD</b>  | <b>TOTAL</b> |
|-----------------------------------------------------------|--------------|----------------|------------|--------------|--------------|
| <b>CURRENT MONTH CHARGE / (ADJUSTMENT) <sup>(3)</sup></b> |              |                |            |              |              |
| M&I                                                       | 0.0          | 0.0            | 0.0        | 0.0          | 0.0          |
| Agriculture                                               | 0.0          | 0.0            | 0.0        | 0.0          | 0.0          |
| Subtotal Cachuma Project                                  | <b>0.0</b>   | <b>0.0</b>     | <b>0.0</b> | <b>0.0</b>   | <b>0.0</b>   |
| (+) State Water Project                                   | 0.0          | 0.0            | 0.0        | 0.0          | 0.0          |
| <b>Total Current Month</b>                                | <b>0.0</b>   | <b>0.0</b>     | <b>0.0</b> | <b>0.0</b>   | <b>0.0</b>   |
| <b>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</b>           |              |                |            |              |              |
| M&I                                                       | (0.2)        | (2.1)          | 0.0        | 0.0          | (2.3)        |
| Agriculture                                               | (0.0)        | 0.0            | 0.0        | 0.0          | (0.0)        |
| Subtotal Cachuma Project                                  | <b>(0.3)</b> | <b>(2.1)</b>   | <b>0.0</b> | <b>0.0</b>   | <b>(2.3)</b> |
| (+) State Water Project                                   | 0.7          | 3.3            | 1.3        | (0.8)        | 4.5          |
| <b>Total AWL Charged (WYTD) <sup>(3)</sup></b>            | <b>0.4</b>   | <b>1.2</b>     | <b>1.3</b> | <b>(0.8)</b> | <b>2.1</b>   |
| <b>Total AWL Not Charged (WYTD) <sup>(3)</sup></b>        |              |                |            |              | <b>24.0</b>  |
| <b>Total AWL Incurred (WYTD)</b>                          |              |                |            |              | <b>26.2</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                                   | 379.5          | 26.5           | 0.0         | 107.6        | 1.9             | 515.5          |
| Agricultural                          | 56.7           | 0.0            | 0.0         | 120.2        | N/A             | 176.9          |
| <b>Subtotal Project Water Use</b>     | <b>436.2</b>   | <b>26.5</b>    | <b>0.0</b>  | <b>227.8</b> | <b>1.9</b>      | <b>692.4</b>   |
| (+) Apparent Water Loss               | 0.0            | 0.0            | 0.0         | 0.0          | N/A             | 0.0            |
| (+) Evaporative Loss <sup>(4)</sup>   | 20.0           | 50.1           | 13.5        | 8.6          | 0.2             | 92.5           |
| <b>Total Project Water Charge</b>     | <b>456.3</b>   | <b>76.6</b>    | <b>13.5</b> | <b>236.5</b> | <b>2.1</b>      | <b>784.9</b>   |
| <b>WATER YEAR-TO-DATE</b>             |                |                |             |              |                 |                |
| Water Usage                           |                |                |             |              |                 |                |
| M&I                                   | 949.9          | 357.1          | 0.0         | 107.6        | 10.8            | 1,425.4        |
| Agricultural                          | 254.7          | 0.0            | 0.0         | 120.2        | N/A             | 374.9          |
| <b>Subtotal Project Water Use</b>     | <b>1,204.7</b> | <b>357.1</b>   | <b>0.0</b>  | <b>227.8</b> | <b>10.8</b>     | <b>1,800.4</b> |
| (+) Apparent Water Loss               | (0.3)          | (2.1)          | 0.0         | 0.0          | N/A             | (2.3)          |
| (+) Evaporative Loss <sup>(4)</sup>   | 142.8          | 316.4          | 83.9        | 53.9         | 1.6             | 598.6          |
| <b>Total Project Water Charge (*)</b> | <b>1,347.2</b> | <b>671.5</b>   | <b>83.9</b> | <b>281.7</b> | <b>12.3</b>     | <b>2,396.7</b> |

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

**WATER YEAR 18-19 CACHUMA PROJECT ALLOCATION**  
**CACHUMA OPERATION AND MAINTENANCE BOARD**  
**WATER PRODUCTION AND WATER USE REPORT**  
**FOR THE MONTH OF APRIL 2019 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 - 10/1/2018</b>         | 3,771.3         | 7,264.2         | 1,864.1        | 1,305.2        | 40.4            | 14,245.2        |
| Transfers/Adjustment                               | 0.0             | 0.0             | 0.0            | 0.0            | 0.0             | 0.0             |
| <b>(-) Project Water Charge (WYTD)</b>             | <b>1,347.2</b>  | <b>671.5</b>    | <b>83.9</b>    | <b>281.7</b>   | <b>12.3</b>     | <b>2,396.7</b>  |
| <b>Balance Carryover Water</b>                     | <b>2,424.1</b>  | <b>6,592.7</b>  | <b>1,780.2</b> | <b>1,023.5</b> | <b>28.1</b>     | <b>11,848.5</b> |
| <b>Current Year Allocation <sup>(5)</sup></b>      | 9,322.0         | 8,277.0         | 2,651.0        | 2,813.0        | 2,651.0         | 25,714.0        |
| <b>(-) Balance of Project Water Charge (WYTD)</b>  | <b>0.0</b>      | <b>0.0</b>      | <b>0.0</b>     | <b>0.0</b>     | <b>0.0</b>      | <b>0.0</b>      |
| <b>Net Allocation Available Before Adjustments</b> | <b>9,322.0</b>  | <b>8,277.0</b>  | <b>2,651.0</b> | <b>2,813.0</b> | <b>2,651.0</b>  | <b>25,714.0</b> |
| <b><u>Adjustments to Net Allocation (WYTD)</u></b> |                 |                 |                |                |                 |                 |
| Carryover Balances Spilled                         | 0.0             | 0.0             | 0.0            | 0.0            | 0.0             | 0.0             |
| Surplus                                            | 0.0             | 0.0             | 0.0            | 0.0            | 0.0             | 0.0             |
| State Water Exchange <sup>(6)</sup>                | 59.0            | 39.0            | 39.0           | 26.0           | (163.0)         | 0.0             |
| Transfers/Adjustment <sup>(7),(8)</sup>            | 100.0           | (39.0)          | 0.0            | 0.0            | 0.0             | 61.0            |
| <b>Balance Current Year Allocation</b>             | <b>9,481.0</b>  | <b>8,277.0</b>  | <b>2,690.0</b> | <b>2,839.0</b> | <b>2,488.0</b>  | <b>25,775.0</b> |
| <b>Total Cachuma Project Water Available</b>       | <b>11,905.1</b> | <b>14,869.7</b> | <b>4,470.2</b> | <b>3,862.5</b> | <b>2,516.1</b>  | <b>37,623.5</b> |

**Footnotes**

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only.
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted-for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017.
- (5) Per USBR, 20% initial allocation to Member Agencies, effective 10/1/18. In March 2019, USBR increased the allocation to 100% (25,714 acre feet) available water supply for the remaining contract year which ends on September 30, 2019.
- (6) Per SWP Exchange Agrmt GWD received 59 AF; City of SB received 39 AF; MWD received 39 AF and CVWD received 26 AF from ID#1 in April 2019.
- (7) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF)
- (8) Transfer per Santa Ynez Exchange Agreement with City of SB and La Cumbre Mutual Water Agency (39 AF)
- (9) Memo only - State Water Deliveries to Lake Cachuma for April 2019 was zero.

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

MONTH: **APRIL 2019**

**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>546.90</b> | Feet |
| Water in Storage                                  | 462.17        | AF   |

**ORTEGA RESERVOIR**

|                                       |               |      |
|---------------------------------------|---------------|------|
| Capacity at 460' elevation:           | 65            | AF   |
| Capacity at outlet at elevation 440': | 0             | AF   |
| Stage of Reservoir Elevation          | <b>447.90</b> | Feet |
| Water in Storage                      | 22.39         | AF   |

**CARPINTERIA RESERVOIR**

|                                    |               |      |
|------------------------------------|---------------|------|
| Capacity at 384' elevation:        | 45            | AF   |
| Capacity at outlet elevation 362': | 0             | AF   |
| Stage of Reservoir Elevation       | <b>377.00</b> | Feet |
| Water in Storage                   | 27.95         | AF   |

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

|                   |        |    |
|-------------------|--------|----|
| Change in Storage | 512.51 | AF |
|                   | 96.59  | 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>739.87</b>  | Feet |
| Water in Storage             | <b>155,414</b> | AF   |
| Surface Area                 | <b>2,655</b>   |      |
| Evaporation                  | <b>978.5</b>   | AF   |
| Inflow                       | <b>5,764.1</b> | AF   |
| Downstream Release WR8918    | <b>0.0</b>     | AF   |
| Fish Release (Hilton Creek)  | <b>171.4</b>   | AF   |
| Outlet                       | <b>222.9</b>   | AF   |
| <b>Spill/Seismic Release</b> | <b>0</b>       | AF   |
| State Water Project Water    | <b>0</b>       | AF   |
| Change in Storage            | <b>3,323</b>   | AF   |
| Tecolote Diversion           | <b>1,116.7</b> | AF   |

|                  |               |      |                |       |                           |      |
|------------------|---------------|------|----------------|-------|---------------------------|------|
| <b>Rainfall:</b> | <b>Month:</b> | 0.11 | <b>Season:</b> | 24.20 | <b>Percent of Normal:</b> | 114% |
|------------------|---------------|------|----------------|-------|---------------------------|------|

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



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

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

Contract Entity: **Goleta Water District**  
 Last updated by C.O.M.B. 04/30/19

| Month        | CARRYOVER WATER            |                             | CURRENT YEAR ALLOCATION |              |                |                   |                |                |                   |              |            |            |            |
|--------------|----------------------------|-----------------------------|-------------------------|--------------|----------------|-------------------|----------------|----------------|-------------------|--------------|------------|------------|------------|
|              | Carryover Balance Prior Yr | Approved Allocation Curr Yr | TOTAL WATER USED        |              |                | WATER USE CHARGED |                |                | WATER USE CHARGED |              |            |            |            |
|              |                            |                             | Acre-feet               |              |                | Allocation        |                |                | Allocation        |              |            |            |            |
|              |                            |                             | M & I                   | Agr          | Total          | Evap              | Used           | Total          | M & I             | Agr          | M & I      | Agr        | Total      |
| Oct          | 3,771.3                    | 1,864.0                     | 276.5                   | 78.0         | 354.5          | 44.7              | 354.5          | 399.2          | 311.4             | 87.8         | 0.0        | 0.0        | 0.0        |
| Nov          |                            |                             | 293.6                   | 87.7         | 381.4          | 29.7              | 381.4          | 411.1          | 316.5             | 94.5         | 0.0        | 0.0        | 0.0        |
| Dec          |                            |                             | 0.0                     | 12.4         | 12.4           | 13.6              | 12.4           | 26.0           | 0.0               | 26.0         | 0.0        | 0.0        | 0.0        |
| Jan          |                            |                             | 0.0                     | 9.8          | 9.8            | 11.7              | 9.8            | 21.5           | 0.0               | 21.5         | 0.0        | 0.0        | 0.0        |
| Feb          |                            |                             | 0.0                     | 3.8          | 3.8            | 8.2               | 3.8            | 12.1           | 0.0               | 12.1         | 0.0        | 0.0        | 0.0        |
| Mar          |                            | 7,458.0                     | 0.0                     | 6.2          | 6.2            | 14.8              | 6.2            | 21.0           | 0.0               | 21.0         | 0.0        | 0.0        | 0.0        |
| Apr          |                            |                             | 379.5                   | 56.7         | 436.2          | 20.0              | 436.2          | 456.3          | 397.0             | 59.3         | 0.0        | 0.0        | 0.0        |
| May          |                            |                             | -                       | -            | -              | -                 | -              | -              | -                 | -            | -          | -          | -          |
| Jun          |                            |                             | -                       | -            | -              | -                 | -              | -              | -                 | -            | -          | -          | -          |
| Jul          |                            |                             | -                       | -            | -              | -                 | -              | -              | -                 | -            | -          | -          | -          |
| Aug          |                            |                             | -                       | -            | -              | -                 | -              | -              | -                 | -            | -          | -          | -          |
| Sep          |                            |                             | -                       | -            | -              | -                 | -              | -              | -                 | -            | -          | -          | -          |
| <b>Total</b> | <b>3,771.3</b>             | <b>9,322.0</b>              | <b>949.7</b>            | <b>254.7</b> | <b>1,204.4</b> | <b>142.8</b>      | <b>1,204.4</b> | <b>1,347.2</b> | <b>1,024.9</b>    | <b>322.3</b> | <b>0.0</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     |         |
| Oct   | 3,771.3                                         | 2,518.4    | 1,252.9 | 1,254.0                | 610.0   | 1,864.0 |
| Nov   | -                                               | -          | -       | -                      | -       | -       |
| Dec   | -                                               | -          | -       | -                      | -       | -       |
| Jan   | -                                               | -          | -       | -                      | -       | -       |
| Feb   | -                                               | -          | -       | -                      | -       | -       |
| Mar   | Mid-Year Allocation                             | -          | -       | 5,017.3                | 2,440.7 | 7,458.0 |
| Apr   | Bishop Ranch Exch (+100AF) + ID# 1 Exch (+59AF) | -          | -       | 135.5                  | 23.5    | 159.0   |
| May   | -                                               | -          | -       | -                      | -       | -       |
| Jun   | -                                               | -          | -       | -                      | -       | -       |
| Jul   | -                                               | -          | -       | -                      | -       | -       |
| Aug   | -                                               | -          | -       | -                      | -       | -       |
| Sep   | -                                               | -          | -       | -                      | -       | -       |

| Month | BALANCE - CARRYOVER WATER |            |         | BALANCE - CURR YR ALLOC |         |         |
|-------|---------------------------|------------|---------|-------------------------|---------|---------|
|       | Total                     | Allocation |         | Allocation              |         | Total   |
|       |                           | M & I      | Agr     | M & I                   | Agr     |         |
| Oct   | 3,372.1                   | 2,207.0    | 1,165.1 | 1,254.0                 | 610.0   | 1,864.0 |
| Nov   | 2,961.0                   | 1,890.5    | 1,070.5 | 1,254.0                 | 610.0   | 1,864.0 |
| Dec   | 2,935.0                   | 1,890.5    | 1,044.5 | 1,254.0                 | 610.0   | 1,864.0 |
| Jan   | 2,913.4                   | 1,890.5    | 1,023.0 | 1,254.0                 | 610.0   | 1,864.0 |
| Feb   | 2,901.3                   | 1,890.5    | 1,010.9 | 1,254.0                 | 610.0   | 1,864.0 |
| Mar   | 2,880.4                   | 1,890.5    | 989.9   | 6,271.3                 | 3,050.7 | 9,322.0 |
| Apr   | 2,424.1                   | 1,493.5    | 930.6   | 6,406.8                 | 3,074.2 | 9,481.0 |
| May   | -                         | -          | -       | -                       | -       | -       |
| Jun   | -                         | -          | -       | -                       | -       | -       |
| Jul   | -                         | -          | -       | -                       | -       | -       |
| Aug   | -                         | -          | -       | -                       | -       | -       |
| Sep   | -                         | -          | -       | -                       | -       | -       |

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 11,905.1**



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

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

Contract Entity: **City of Santa Barbara**  
 Last updated by C.O.M.B. 04/30/19

| 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        | ----                    | M & I    | ----     | Total    |          |
| Oct          | 7,264.2           | 1,655.5        | 93.3                | 0.0      | 93.3              | 89.8         | 93.3         | 183.1                   | 0.0      | 0.0      | 0.0      | 0.0      |
| Nov          |                   |                | 235.3               | 0.0      | 235.3             | 65.1         | 235.3        | 300.4                   | 0.0      | 0.0      | 0.0      | 0.0      |
| Dec          |                   |                | 0.0                 | 0.0      | 0.0               | 31.2         | 0.0          | 31.2                    | 0.0      | 0.0      | 0.0      | 0.0      |
| Jan          |                   |                | 0.0                 | 0.0      | 0.0               | 27.0         | 0.0          | 27.0                    | 0.0      | 0.0      | 0.0      | 0.0      |
| Feb          |                   |                | 0.0                 | 0.0      | 0.0               | 19.0         | 0.0          | 19.0                    | 0.0      | 0.0      | 0.0      | 0.0      |
| Mar          |                   | 6,621.5        | 0.0                 | 0.0      | 0.0               | 34.1         | 0.0          | 34.1                    | 0.0      | 0.0      | 0.0      | 0.0      |
| Apr          |                   |                | 26.5                | 0.0      | 26.5              | 50.1         | 26.5         | 76.6                    | 0.0      | 0.0      | 0.0      | 0.0      |
| May          |                   |                | -                   | -        | -                 | -            | -            | -                       | -        | -        | -        | -        |
| Jun          |                   |                | -                   | -        | -                 | -            | -            | -                       | -        | -        | -        | -        |
| Jul          |                   |                | -                   | -        | -                 | -            | -            | -                       | -        | -        | -        | -        |
| Aug          |                   |                | -                   | -        | -                 | -            | -            | -                       | -        | -        | -        | -        |
| Sep          |                   |                | -                   | -        | -                 | -            | -            | -                       | -        | -        | -        | -        |
| <b>Total</b> | <b>7,264.2</b>    | <b>8,277.0</b> | <b>355.1</b>        | <b>-</b> | <b>355.1</b>      | <b>316.4</b> | <b>355.1</b> | <b>671.5</b>            | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</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      | ---- | M & I                  | ---- |         |
| Begin Bal                                                       | 7,264.2                | 7,264.2    | -    | 1,655.5                | -    | 1,655.5 |
| Mid-Year Allocation<br>LCMWD Trsfr (-39AF) + ID# 1 Exch (+39AF) |                        |            |      | 6,621.5                | -    | 6,621.5 |
| Oct                                                             |                        |            |      |                        |      | -       |
| Nov                                                             |                        |            |      |                        |      | -       |
| Dec                                                             |                        |            |      |                        |      | -       |
| Jan                                                             |                        |            |      |                        |      | -       |
| Feb                                                             |                        |            |      |                        |      | -       |
| Mar                                                             |                        |            |      |                        |      | -       |
| Apr                                                             |                        |            |      |                        |      | -       |
| May                                                             |                        |            |      |                        |      | -       |
| Jun                                                             |                        |            |      |                        |      | -       |
| Jul                                                             |                        |            |      |                        |      | -       |
| Aug                                                             |                        |            |      |                        |      | -       |
| Sep                                                             |                        |            |      |                        |      | -       |

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

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 14,869.7**







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

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

Contract Entity: **Santa Barbara Co. Water Agency**  
 Last updated by C.O.M.B. 04/30/19

| Month        | CARRYOVER WATER            |                             | CURRENT YEAR ALLOCATION |                |              |                |              |                   |                |                |              |            |            |            |
|--------------|----------------------------|-----------------------------|-------------------------|----------------|--------------|----------------|--------------|-------------------|----------------|----------------|--------------|------------|------------|------------|
|              | TOTAL WATER USED           |                             | WATER USE CHARGED       |                |              |                |              | WATER USE CHARGED |                |                |              |            |            |            |
|              | Carryover Balance Prior Yr | Approved Allocation Curr Yr | Acre-feet               |                |              | Allocation     |              |                   | Allocation     |                |              | Total      |            |            |
|              |                            | Use %                       | M & I                   | Agr            | Total        | Evap           | Div          | Total             | M & I          | Agr            | M & I        | Agr        | Total      |            |
| Oct          | 14,245.2                   | 5,142.5                     | 0.0                     | 372.1          | 78.0         | 450.1          | 174.5        | 450.1             | 624.5          | 523.0          | 101.5        | 0.0        | 0.0        | 0.0        |
| Nov          |                            |                             | 0.0                     | 530.9          | 87.7         | 618.7          | 124.4        | 618.7             | 743.0          | 638.3          | 104.7        | 0.0        | 0.0        | 0.0        |
| Dec          |                            |                             | 0.0                     | 1.3            | 12.4         | 13.7           | 59.3         | 13.7              | 73.0           | 42.0           | 31.0         | 0.0        | 0.0        | 0.0        |
| Jan          |                            |                             | 0.0                     | 0.9            | 9.8          | 10.6           | 51.3         | 10.6              | 61.9           | 36.1           | 25.8         | 0.0        | 0.0        | 0.0        |
| Feb          |                            |                             | 0.0                     | 1.5            | 3.8          | 5.4            | 36.1         | 5.4               | 41.4           | 26.3           | 15.1         | 0.0        | 0.0        | 0.0        |
| Mar          |                            | 20,571.5                    | 0.0                     | 0.9            | 6.2          | 7.2            | 60.6         | 7.2               | 67.8           | 43.6           | 24.2         | 0.0        | 0.0        | 0.0        |
| Apr          |                            |                             | 0.0                     | 515.5          | 176.9        | 692.4          | 92.5         | 692.4             | 784.9          | 598.0          | 186.9        | -          | -          | -          |
| May          |                            |                             | -                       | -              | -            | -              | -            | -                 | -              | -              | -            | -          | -          | -          |
| Jun          |                            |                             | -                       | -              | -            | -              | -            | -                 | -              | -              | -            | -          | -          | -          |
| Jul          |                            |                             | -                       | -              | -            | -              | -            | -                 | -              | -              | -            | -          | -          | -          |
| Aug          |                            |                             | -                       | -              | -            | -              | -            | -                 | -              | -              | -            | -          | -          | -          |
| Sep          |                            |                             | -                       | -              | -            | -              | -            | -                 | -              | -              | -            | -          | -          | -          |
| <b>Total</b> | <b>14,245.2</b>            | <b>25,714.0</b>             | <b>0.1</b>              | <b>1,423.1</b> | <b>374.9</b> | <b>1,798.0</b> | <b>598.6</b> | <b>1,798.0</b>    | <b>2,396.7</b> | <b>1,907.4</b> | <b>489.2</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   | -                        | -   | -                  | -   |
| Nov   | -                        | -   | -                  | -   |
| Dec   | -                        | -   | -                  | -   |
| Jan   | -                        | -   | -                  | -   |
| Feb   | -                        | -   | -                  | -   |
| Mar   | -                        | -   | -                  | -   |
| Apr   | -                        | -   | -                  | -   |
| May   | -                        | -   | -                  | -   |
| Jun   | -                        | -   | -                  | -   |
| Jul   | -                        | -   | -                  | -   |
| Aug   | -                        | -   | -                  | -   |
| Sep   | -                        | -   | -                  | -   |

| Month | SCHEDULE AND REVISIONS |            |         | SCHEDULE AND REVISIONS |         |          |
|-------|------------------------|------------|---------|------------------------|---------|----------|
|       | Total                  | Allocation |         | Allocation             |         | Total    |
|       |                        | M & I      | Agr     | M & I                  | Agr     |          |
| Oct   | 14,245.2               | 11,893.3   | 2,351.9 | 3,836.0                | 1,306.5 | 5,142.5  |
| Nov   | -                      | -          | -       | -                      | -       | -        |
| Dec   | -                      | -          | -       | -                      | -       | -        |
| Jan   | -                      | -          | -       | -                      | -       | -        |
| Feb   | -                      | -          | -       | -                      | -       | -        |
| Mar   | -                      | -          | -       | 15,345.1               | 5,226.4 | 20,571.5 |
| Apr   | -                      | -          | -       | 76.6                   | (15.6)  | 61.0     |
| May   | -                      | -          | -       | -                      | -       | -        |
| Jun   | -                      | -          | -       | -                      | -       | -        |
| Jul   | -                      | -          | -       | -                      | -       | -        |
| Aug   | -                      | -          | -       | -                      | -       | -        |
| Sep   | -                      | -          | -       | -                      | -       | -        |

| Month | BALANCE - CARRYOVER WATER |            |          | BALANCE - CURR YR ALLOC |          |         |          |
|-------|---------------------------|------------|----------|-------------------------|----------|---------|----------|
|       | County Parks Usage (AF)   | Allocation |          | Allocation              |          | Total   |          |
|       |                           | M & I      | Agr      | M & I                   | Agr      |         |          |
| Oct   | 2.3                       | 13,620.7   | 11,370.3 | 2,250.4                 | 3,836.0  | 1,306.5 | 5,142.5  |
| Nov   | 2.0                       | 12,877.6   | 10,731.9 | 2,145.7                 | 3,836.0  | 1,306.5 | 5,142.5  |
| Dec   | 1.3                       | 12,804.6   | 10,689.9 | 2,114.7                 | 3,836.0  | 1,306.5 | 5,142.5  |
| Jan   | 0.9                       | 12,742.7   | 10,653.8 | 2,088.9                 | 3,836.0  | 1,306.5 | 5,142.5  |
| Feb   | 1.5                       | 12,701.3   | 10,627.4 | 2,073.8                 | 3,836.0  | 1,306.5 | 5,142.5  |
| Mar   | 0.9                       | 12,633.5   | 10,583.9 | 2,049.6                 | 19,181.1 | 6,532.9 | 25,714.0 |
| Apr   | 1.9                       | 11,848.5   | 9,985.9  | 1,862.7                 | 19,257.7 | 6,517.3 | 25,775.0 |
| May   | -                         | -          | -        | -                       | -        | -       | -        |
| Jun   | -                         | -          | -        | -                       | -        | -       | -        |
| Jul   | -                         | -          | -        | -                       | -        | -       | -        |
| Aug   | -                         | -          | -        | -                       | -        | -       | -        |
| Sep   | -                         | -          | -        | -                       | -        | -       | -        |

**TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 37,623.5**

**THIS PAGE INTENTIONALLY LEFT BLANK**

# CACHUMA DAILY OPERATIONS

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

| Day | Beginning Storage: 155,414 |           |           | Surface Area | Rainfall |           | Evaporation |           | CCWA Inflow | Releases       |             |              |           |           | Computed Inflow |           |
|-----|----------------------------|-----------|-----------|--------------|----------|-----------|-------------|-----------|-------------|----------------|-------------|--------------|-----------|-----------|-----------------|-----------|
|     | Elevation                  | Storage   | Change    |              | inches   | acre-feet | inches      | acre-feet |             | Park Diversion | South Coast | Hilton Creek | WR 89-18  | Outlet    |                 | Spillway  |
|     | ft                         | acre-feet | acre-feet | acres        | inches   | acre-feet | inches      | acre-feet | acre-feet   | acre-feet      | acre-feet   | acre-feet    | acre-feet | acre-feet | acre-feet       | acre-feet |
| 1   | 739.89                     | 155,468   | 54        | 2,656        | -        |           | 0.170       | 30.5      | -           |                | 23.1        | 5.9          |           | 7.6       |                 | 121.1     |
| 2   | 739.91                     | 155,521   | 53        | 2,656        | -        |           | 0.180       | 32.3      | -           |                | 24.4        | 5.9          |           | 7.6       |                 | 123.2     |
| 3   | 739.93                     | 155,574   | 53        | 2,657        | -        |           | 0.240       | 43.0      | -           |                | 21.9        | 5.9          |           | 8.7       |                 | 132.5     |
| 4   | 739.94                     | 155,601   | 27        | 2,657        | -        |           | 0.200       | 35.9      | -           |                | 23.4        | 5.9          |           | 7.6       |                 | 99.8      |
| 5   | 739.94                     | 155,601   | -         | 2,657        | -        |           | 0.200       | 35.9      | -           |                | 23.6        | 5.9          |           | 7.7       |                 | 73.1      |
| 6   | 739.96                     | 155,654   | 53        | 2,658        | -        |           | 0.110       | 19.7      | -           |                | 23.6        | 5.9          |           | 7.7       |                 | 109.9     |
| 7   | 739.97                     | 155,681   | 27        | 2,658        | 0.02     | 4.4       | 0.140       | 25.1      | -           |                | 23.9        | 5.9          |           | 7.6       |                 | 85.1      |
| 8   | 739.98                     | 155,707   | 26        | 2,659        | -        |           | 0.210       | 37.7      | -           |                | 23.5        | 5.9          |           | 7.7       |                 | 100.8     |
| 9   | 739.98                     | 155,707   | -         | 2,659        | -        |           | 0.190       | 34.1      | -           |                | 24.3        | 5.9          |           | 7.6       |                 | 71.9      |
| 10  | 739.99                     | 155,734   | 27        | 2,659        | -        |           | 0.100       | 17.9      | -           |                | 22.6        | 5.9          |           | 7.7       |                 | 81.1      |
| 11  | 740.02                     | 155,814   | 80        | 2,660        | 0.21     | 46.6      | 0.170       | 30.5      | -           |                | 24.2        | 5.9          |           | 7.7       |                 | 101.8     |
| 12  | 740.04                     | 155,867   | 53        | 2,661        | -        |           | 0.210       | 37.7      | -           |                | 23.0        | 5.9          |           | 7.7       |                 | 127.3     |
| 13  | 740.04                     | 155,867   | -         | 2,661        | -        |           | 0.250       | 44.9      | -           |                | 23.9        | 5.9          |           | 7.6       |                 | 82.3      |
| 14  | 740.04                     | 155,867   | -         | 2,661        | -        |           | 0.230       | 41.3      | -           |                | 23.7        | 5.9          |           | 7.7       |                 | 78.6      |
| 15  | 740.04                     | 155,867   | -         | 2,661        | -        |           | 0.200       | 35.9      | -           |                | 23.6        | 5.9          |           | 7.6       |                 | 73.0      |
| 16  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 17  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 18  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 19  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 20  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 21  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 22  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 23  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 24  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 25  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 26  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 27  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 28  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 29  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 30  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |
| 31  |                            |           |           |              |          |           |             |           |             |                |             |              |           |           |                 |           |

|               |     |  |      |      |       |       |   |   |   |       |      |   |       |   |         |
|---------------|-----|--|------|------|-------|-------|---|---|---|-------|------|---|-------|---|---------|
| <b>TOTALS</b> | 453 |  | 0.23 | 51.0 | 2.800 | 502.5 | - | - | - | 352.7 | 88.6 | - | 115.8 | - | 1,461.5 |
|---------------|-----|--|------|------|-------|-------|---|---|---|-------|------|---|-------|---|---------|

Park Usage  Rain % Yr. Total

**THIS PAGE INTENTIONALLY LEFT BLANK**





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



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

| <b>Cachuma Lake Recreation Area<br/>Launch Data -- April 2019</b> |     |     |
|-------------------------------------------------------------------|-----|-----|
| <b>Inspection Data</b>                                            |     |     |
| Total Vessels entering Park                                       | 754 |     |
| Total Vessels launched                                            | 731 |     |
| Total Vessels Quarantined                                         | 23  |     |
| Returning with Boat Launch Tag                                    | 558 | 76% |
| New: Removed from Quarantine                                      |     |     |
| Kayak/Canoe: Inspected, launched                                  | 173 | 24% |
| 4-stroke Engines                                                  |     |     |
| 2-strokes, w/CARB star ratings                                    |     |     |
| 2-strokes, NO emissions ratings                                   |     |     |
| <b>Quarantine Data</b>                                            |     |     |
| Total Vessels Quarantined                                         | 23  |     |
| Quarantined 7 days                                                | *   |     |
| Quarantined 14 days                                               | *   |     |
| Quarantined 30 days                                               | 23  |     |
| <b>Quarantine Cause</b>                                           |     |     |
| Water on vessel*                                                  | *   |     |
| Debris on hull*                                                   | *   |     |
| Plug installed*                                                   | *   |     |
| From infected county                                              | 3   |     |
| Ballast tanks*                                                    | *   |     |
| Boat longer than 24 feet*                                         | *   |     |
| Out-of-state                                                      | 0   |     |
| Unspecified*                                                      | *   |     |
| Mandatory Quarantine All Untagged Boats                           | 23  |     |
| <b>Demographic Data</b>                                           |     |     |
| Quarantined from infected county                                  | 3   |     |
| Quarantined from SB County                                        | 17  |     |
| Quarantined from uninfected co                                    | 3   |     |

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

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

\* These conditions are no longer being tracked.

**EARLY DETECTION MONITORING PROGRAM SUMMARY**

**Summary:** No Dreissenid mussels were detected  
 Inspection Site: Cachuma Lake, Santa Barbara County, California  
 Inspection Date and Time: 2019.05.1; 10:00 a.m. to 12:00 p.m. PDT  
 Method: 4 PVC/Cement Sampling Stations; 56 linear feet of line  
 Surveyors: SBCO Parks Employees  
 Lake elevation: Max feet: 753.00, current 739.86; Max acre-feet: 193,305, current: 155,338;  
 Current capacity: 80.4%