

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

by Teleconference Call ONLY

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

Monday, October 26, 2020

1:00 PM

AGENDA

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

- 1. CALL TO ORDER, ROLL CALL**
- 2. 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.*)
- 3. CONSENT AGENDA** (*All items on the Consent Agenda are considered routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.*)
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board:
 - a. Minutes of September 28, 2020 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
- 4. VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Operations Committee Meeting – October 21, 2020
- 5. PRESENTATION ON CACHUMA PROJECT WATER RATES**
Receive a presentation from staff on the Cachuma Project Water Rates
- 6. FINANCIAL REVIEW – 1ST QUARTER FISCAL YEAR 2020-21**
Receive financial information on Fiscal Year 2020-21 1st Quarter Income and Expenditures
- 7. CACHUMA PROJECT WARREN ACT TRUST FUND / RENEWAL FUND 2020-21 ANNUAL AND LONG TERM PLAN; SANTA BARBARA COUNTY BETTERMENT FUND USE OF FUNDS**
Action: Recommend approval by motion and roll call vote of the Board
 - a. Receive and file the Cachuma Project Annual and Long Term Plan
 - b. Approve Program Expenditures – Warren Act Trust Fund / Renewal Fund for FY 2020-21
 - c. Approve Program Expenditures – Santa Barbara County Water Agency's Betterment Fund for FY 2020-21

8. **RESOLUTION NO. 719 – PROPOSED REVISED STRATEGY FOR LOWER REACH LATERAL REHABILITATION PROJECT**
Action: Recommend approval by motion and roll call vote of the Board
9. **RESOLUTION NO. 720 – SOUTH COAST CONDUIT REHABILITATION PROJECTS – CONSTRUCTION CONTRACT**
Action: Recommend approval by motion and roll call vote of the Board
10. **GENERAL MANAGER REPORT**
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
 - Administration
 - U.S. Bureau of Reclamation
 - Engineering / Operations
11. **ENGINEER’S REPORT**
Receive information from the COMB Engineer, including but not limited to the following:
 - Climate Conditions
 - Lake Elevation / Downstream Release Update
 - Infrastructure Improvement Projects / Work Plan
12. **OPERATIONS DIVISION REPORT**
Received information regarding the Operations Division, including but not limited to the following:
 - Lake Cachuma Operations
 - Operation and Maintenance Activities
13. **FISHERIES DIVISION REPORT**
Receive information regarding Fisheries Division, including but not limited to the following:
 - LSYR Steelhead Monitoring Elements
 - Tributary Project Updates
 - Surcharge Water Accounting
 - Reporting/Outreach/Training
14. **PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**
Receive information regarding the Lake Cachuma Oak Tree Program including but not limited to the following:
 - Maintenance and Monitoring
15. **MONTHLY CACHUMA PROJECT REPORTS**
Receive information regarding the Cachuma Project, including but not limited to the following:
 - a. Cachuma Water Reports
 - b. Cachuma Reservoir Current Conditions
 - c. Lake Cachuma Quagga Survey
16. **BOARD DISCUSSION ON PROCESS TO RETURN TO IN-PERSON MEETINGS**
Receive current information regarding Santa Barbara County Health Orders pertaining to COVID 19
17. **DIRECTORS’ REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**

18. MEETING SCHEDULE

- **November 16, 2020 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

19. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

Public Comment: Any member of the public may address the Board on any subject within the jurisdiction of the Board that is not scheduled for as an agenda item before the Board. The total time for this item will be limited by the President of the Board. The Board is not responsible for the content or accuracy of statements made by members of the public. No action will be taken by the Board on any Public Comment item.

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

Note: If you challenge in court any of the Board's decisions related to the listed agenda items you may be limited to raising only those issues you or someone else raised at any public hearing described in this notice or in written correspondence to the Governing Board prior to the public hearing.

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

by Teleconference Call ONLY

**Monday, September 28, 2020
1:00 PM**

1. CALL TO ORDER, ROLL CALL

The meeting was called to order by Ms. Gingras at 1:01 PM.

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

Directors Present:

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

General Counsel Present:

William Carter, Musick, Peeler, Garrett, LLP

Staff Present:

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

Others Present:

| | |
|-------------------------------------|------------------------------------|
| Cathy Taylor, City of Santa Barbara | Matt Young, SB County Water Agency |
|-------------------------------------|------------------------------------|

2. PUBLIC COMMENT

Director Holcombe congratulated and expressed gratitude to Ms. Gingras and Mr. Robinson on their fifteen years of service to Cachuma Operation and Maintenance Board.

3. CONSENT AGENDA

- a. Minutes of July 27, 2020 Regular Board Meeting
- b. Minutes of August 24, 2020 Regular Board Meeting
- c. Investment of Funds
 - Financial Reports
 - Investment Reports
- d. Review of Paid Claims

Ms. Gingras presented the Consent Agenda, advising that it would be divided into three sections for voting purposes. She presented item 3.a. of the Consent Agenda for consideration and approval by the Board. Director Sneddon motioned to approve the item, followed by a second from Director Hayman. The motion carried with a vote of four ayes and 2 abstentions.

Ayes: Sneddon, Hayman, Holcombe
Nays:
Absent:
Abstain: Hanson

Ms. Gingras presented item 3.b. of the Consent Agenda for consideration and approval by the Board. Director Sneddon motioned to approve the item. Director Holcombe seconded the motion which carried with a vote of five ayes and one abstention.

Ayes: Sneddon, Hanson, Holcombe
Nays:
Absent:
Abstain: Hayman

Finally, Ms. Gingras presented items 3.c. and 3.d. of the Consent Agenda for consideration and approval and asked Mr. Lyons to provide comments on the financial statements. Mr. Lyons highlighted revenues and expenditures of note and fielded questions. Director Hanson put forth a motion to approve items 3.c. and 3.d. of the Consent Agenda. Director Sneddon seconded the motion which carried with a unanimous vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe
Nays:
Absent:
Abstain:

4. VERBAL REPORTS FROM BOARD COMMITTEES

- ***Oak Tree Committee Meeting – September 3, 2020*** – Director Hayman provided a summary of the Oak Tree Committee meeting noting that the agenda includes further discussion of the Oak Tree program. She advised the Board that the committee was briefed by staff with respect to the Lake Cachuma Oak Tree Restoration program for FY 2020-21 and provided recommendations to the report summary and program improvements concerning new plantings and mitigation plantings for the next two fiscal years in order to complete the program's requirements early.
- ***Operations Committee Meeting – September 17, 2020*** – Director Sneddon reported out on the Operations Committee, noting that the committee supported the additional expense with respect to the Secured Pipeline project and anticipated a project update in October.

5. LAKE CACHUMA SECURED PIPELINE ENGINEERING DESIGNS - MAKAI OCEAN ENGINEERING CONTRACT ADJUSTMENT

Mr. Degner provided justification for the additional work needed for this project, outlining the tasks that comprise the work and their total cost. He noted his plan to provide the Board with final designs at the October meeting.

6. INFRASTRUCTURE IMPROVEMENT PROJECT - SCADA SYSTEM PROGRAMMABLE LOGIC CONTROLLERS (PLC) UPGRADE PROJECT

Mr. Degner presented this project, recapping the history of the current SCADA system and the critical need for upgrade. He advised that the proposed consultant had performed well and had come in under budget,

for the Lauro and Cater upgrades already completed. He asked the Board to approve execution of a Professional Service Agreement between COMB and Aspect Engineering Group to upgrade the remaining six Programmable Logic Controllers. Mr. Degner advised that work to be performed in this fiscal year would remain within budget. The final proposed SCADA system upgrade at Ortega will be deferred into the next fiscal year. Director Sneddon motioned for approval, followed by a second from Director Hayman. The motion carried with a unanimous vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain

7. LAKE CACHUMA OAK TREE RESTORATION PROGRAM – FISCAL YEAR 2020-21

Mr. Robinson provided a historical overview of the Oak Tree Restoration project and summarized the annual plan. He reported the numbers of surviving trees and the number of trees still to be planted in order to meet the target. Mr. Robinson advised he will plant three hundred new trees this year and one hundred trees to replace non-surviving trees. He fielded questions from the Board. Director Hayman motioned to approve the plan and was seconded by Director Sneddon. The motion carried with a unanimous vote of six in favor.

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nays:

Absent:

Abstain

8. GENERAL MANAGER REPORT

- Administration
- Virtual Meetings
- Engineering / Operations

Ms. Gingras presented the General Manager report, highlighting the 2020-21 water rates which elicited questions and a lengthy discussion. She reported that the CAFR audit was on schedule for a December Board presentation. Additionally Ms. Gingras noted that staff attended a virtual meeting held by the County Office of Emergency Management to discuss the review process of the County's Hazard Mitigation Plan (HMP) and annexes. A brief review followed of Reclamation's recent safety and security inspections. Finally, Mr. Carter was invited to update the Board regarding the status of the Amendment to Contract for the Transfer of the Operation and Maintenance of the Cachuma Transferred Project Works Contract. He advised that Reclamation would sign the contract by September 30th.

9. ENGINEER'S REPORT

- Climate Conditions
- Lake Elevation / Downstream Release Update
- AWIA Emergency Response Plan
- Infrastructure Improvement Projects / Work Plan

Mr. Degner presented the Engineer's Report, reviewing climate conditions and noting record temperatures on September 6th. As temperatures cool, he expects the reservoir to turn over, a factor which would affect water quality. Mr. Degner reported that the downstream water rights release currently underway has released approximately five thousand acre feet. If the flow stabilizes and continues at the current rate

through November, a total release of approximately twelve thousand acre feet would be anticipated. Mr. Degner advised that the Emergency Response Plan (ERP) has been certified as required by the America's Water Infrastructure Act of 2018. Finally, he reviewed the infrastructure improvement projects and fielded questions from the Board.

10. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. King presented the Operations Division report, which included updates of routine operations such as Right-of-Way monitoring, flow changes, inspections and Dig Alerts. He reviewed additional activities, highlighting construction of an enclosure surrounding shelving units to protect valves and pipe fittings from exposure, monitoring of a Tidwell electrical conduit installation and a power supply replacement for a Venturi meter at Ortega reservoir.

11. FISHERIES DIVISION REPORT

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

Mr. Robinson presented the Fisheries Division report, focusing on the RPM 6 tasks necessitated by the water rights release. He noted that the NMFS request to ramp up to 150 cfs, rather than initially releasing at that rate seems to have worked well. He added that routine Biological Opinion monitoring was ongoing. Mr. Robinson noted that Reclamation is considering a reinstall of the Hilton Creek Backup Watering System and performing the needed repairs. Finally, Mr. Robinson reported that trees were being planted for reforestation, the final step to complete the South Side Erosion Control and Reforestation project at Quiota Creek Crossing No. 8. Mr. Robinson will begin to work on NFWF grant reimbursement for the project.

12. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson reported that normal maintenance of the oak trees was underway, including irrigation, weeding and cage and tag maintenance.

13. MONTHLY CACHUMA PROJECT REPORTS

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

Ms. Gingras presented the Cachuma Project Reports and noted that they represent the penultimate month of the water year. She asked Mr. Degner if he wished to add any observations. Mr. Degner commented that the unaccounted for water loss amount warranted monitoring.

14. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

Director Hayman advised that she would like to reconvene in-person meetings with safety precautions.

Director Holcombe reiterated that she would like a water rates update at the next meeting.

15. MEETING SCHEDULE

- **October 26, 2020 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

16. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 2:17 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

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|---|-------------------|
| | <i>Approved</i> |
| √ | <i>Unapproved</i> |

APPROVED:

Polly Holcombe, President of the Board

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Cachuma Operation & Maintenance Board
Statement of Net Position
As of September 30, 2020
UNAUDITED FINANCIALS

| | Sep 30, 20 |
|---|------------------------|
| ASSETS | |
| Current Assets | |
| Checking/Savings | |
| Trust Funds | |
| 1210 · Warren Act Trust Fund | \$ 134,545.72 |
| 1220 · Renewal Fund | 10,215.61 |
| Total Trust Funds | \$ 144,761.33 |
| 1050 · General Fund | 432,055.18 |
| 1100 · Revolving Fund | 204,741.16 |
| Total Checking/Savings | 781,557.67 |
| Accounts Receivable | |
| 1301 · Accounts Receivable | 1,570.00 |
| 1325 · Bank Loan Receivable - EPPF | 115,862.55 |
| Total Accounts Receivable | 117,432.55 |
| Other Current Assets | |
| 1010 · Petty Cash | 500.00 |
| 1200 · LAIF | 1,390,654.59 |
| 1303 · Bradbury SOD Act Assessment Receivable | 207,474.00 |
| 1304 · Lauro Dam SOD Assessment Receivable | 31,939.08 |
| 1400 · Prepaid Insurance | 10,178.72 |
| Total Other Current Assets | 1,640,746.39 |
| Total Current Assets | 2,539,736.61 |
| Fixed Assets | |
| 1500 · Vehicles | 468,728.36 |
| 1505 · Office Furniture & Equipment | 306,053.41 |
| 1510 · Mobile Offices | 97,803.34 |
| 1515 · Field Equipment | 550,152.72 |
| 1525 · Paving | 38,351.00 |
| 1550 · Accumulated Depreciation | (1,276,895.81) |
| Total Fixed Assets | 184,193.02 |
| Other Assets | |
| 1923 · Deferred Outflow (GASB 75) | 214,063.00 |
| 1910 · Long Term Bradbury SOD Act Assessment Receivable | 4,271,329.07 |
| 1920 · Long Term Lauro SOD Act Assessment Receivable | 772,150.06 |
| 1922 · Deferred Outflow of Resources (GASB 68) | 497,820.00 |
| Total Other Assets | 5,755,362.13 |
| TOTAL ASSETS | \$ 8,479,291.76 |

Cachuma Operation & Maintenance Board
Statement of Net Position
As of September 30, 2020
UNAUDITED FINANCIALS

| | Sep 30, 20 |
|---|------------------------|
| LIABILITIES & NET POSITION | |
| Liabilities | |
| Current Liabilities | |
| Accounts Payable | |
| 2200 · Accounts Payable | \$ 103,618.76 |
| Total Accounts Payable | 103,618.76 |
| Other Current Liabilities | |
| 2505 · Accrued Wages | 11,794.50 |
| 2550 · Vacation/Sick | 183,338.51 |
| 2561 · Bradbury Dam SOD Act | 207,473.99 |
| 2563 · Lauro Dam SOD Act | 31,939.08 |
| 2565 · Accrued Interest SOD Act | 52,227.00 |
| 2567 · Loan Payable Current EPFP | 376,472.15 |
| 2590 · Deferred Revenue | 144,761.33 |
| Total Other Current Liabilities | 1,008,006.56 |
| Total Current Liabilities | 1,111,625.32 |
| Long Term Liabilities | |
| 2602 · Long Term SOD Act Liability-Bradbury | 4,271,319.07 |
| 2603 · Long Term SOD Act Liability - Lauro | 772,150.06 |
| 2604 · OPEB Long Term Liability | 5,384,212.00 |
| 2610 · Net Pension Liability (GASB 68) | 1,732,868.00 |
| 2611 · Deferred Inflow of Resources (GASB 68) | 141,294.00 |
| Total Long Term Liabilities | 12,301,843.13 |
| Total Liabilities | 13,413,468.45 |
| Net Position | |
| 3000 · Opening Bal Net Position | (5,296,580.05) |
| 3901 · Retained Net Assets | 84,716.77 |
| Net Income | 277,686.59 |
| Total Net Position | (4,934,176.69) |
| TOTAL LIABILITIES & NET POSITION | \$ 8,479,291.76 |

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

| | Fisheries | | | | Operations | | | | TOTAL | | | |
|--|----------------------|------------------------|--------------------------|---------------|----------------------|------------------------|--------------------------|---------------|------------------------|------------------------|--------------------------|---------------|
| | Jul - Sep 20 | Budget | \$ Over / (Under) Budget | % of Budget | Jul - Sep 20 | Budget | \$ Over / (Under) Budget | % of Budget | Jul - Sep 20 | Budget | \$ Over / (Under) Budget | % of Budget |
| Revenue | | | | | | | | | | | | |
| 3000 REVENUE | | | | | | | | | | | | |
| 3001 · O&M Budget (Qtrly Assessments) | \$ 281,742.00 | \$ 1,001,522.00 | \$ (719,780.00) | 28.13% | \$ 781,911.00 | \$ 3,806,921.00 | \$ (3,025,010.00) | 20.54% | \$ 1,063,653.00 | \$ 4,808,443.00 | \$ (3,744,790.00) | 22.12% |
| 3006 · Warren Act | 0.00 | 62,780.00 | -62,780.00 | 0.0% | 0.00 | | | | 0.00 | 62,780.00 | -62,780.00 | 0.0% |
| 3007 · Renewal Fund | 0.00 | 203,298.00 | -203,298.00 | 0.0% | 0.00 | | | | 0.00 | 203,298.00 | -203,298.00 | 0.0% |
| 3009 · EPPF Loan (Qtrly Assessments) | 0.00 | | | | 115,862.55 | 0.00 | 115,862.55 | 100.0% | 115,862.55 | 0.00 | 115,862.55 | 100.0% |
| 3014 · Non-Member Agency Revenue | 15,000.00 | 0.00 | 15,000.00 | 100.0% | 0.00 | | | | 15,000.00 | 0.00 | 15,000.00 | 100.0% |
| 3035 · Cachuma Project Betterment Fund | 0.00 | 90,000.00 | -90,000.00 | 0.0% | 0.00 | | | | 0.00 | 90,000.00 | -90,000.00 | 0.0% |
| Total 3000 REVENUE | \$ 296,742.00 | \$ 1,357,600.00 | \$ (1,060,858.00) | 21.86% | \$ 897,773.55 | \$ 3,806,921.00 | \$ (2,909,147.45) | 23.58% | \$ 1,194,515.55 | \$ 5,164,521.00 | \$ (3,970,005.45) | 23.13% |
| Expense | | | | | | | | | | | | |
| 3100 · LABOR - OPERATIONS | \$ - | | | | \$ 191,708.11 | \$ 1,010,140.00 | \$ (818,431.89) | 18.98% | \$ 191,708.11 | \$ 1,010,140.00 | \$ (818,431.89) | 18.98% |
| 3200 VEH & EQUIPMENT | | | | | | | | | | | | |
| 3201 · Vehicle/Equip Mtce | 0.00 | | | | 6,554.26 | 35,000.00 | -28,445.74 | 18.73% | 6,554.26 | 35,000.00 | -28,445.74 | 18.73% |
| 3202 · Fixed Capital | 0.00 | | | | 0.00 | 25,000.00 | -25,000.00 | 0.0% | 0.00 | 25,000.00 | -25,000.00 | 0.0% |
| 3203 · Equipment Rental | 0.00 | | | | 0.00 | 5,000.00 | -5,000.00 | 0.0% | 0.00 | 5,000.00 | -5,000.00 | 0.0% |
| 3204 · Miscellaneous | 0.00 | | | | 9.77 | 10,000.00 | -9,990.23 | 0.1% | 9.77 | 10,000.00 | -9,990.23 | 0.1% |
| Total 3200 VEH & EQUIPMENT | 0.00 | | | | 6,564.03 | 75,000.00 | -68,435.97 | 8.75% | 6,564.03 | 75,000.00 | -68,435.97 | 8.75% |
| 3300 · CONTRACT LABOR | | | | | | | | | | | | |
| 3301 · Conduit, Meter, Valve & Misc | 0.00 | | | | 4,903.36 | 20,000.00 | -15,096.64 | 24.52% | 4,903.36 | 20,000.00 | -15,096.64 | 24.52% |
| 3302 · Buildings & Roads | 0.00 | | | | 3,447.34 | 20,000.00 | -16,552.66 | 17.24% | 3,447.34 | 20,000.00 | -16,552.66 | 17.24% |
| 3303 · Reservoirs | 0.00 | | | | 7,167.63 | 60,000.00 | -52,832.37 | 11.95% | 7,167.63 | 60,000.00 | -52,832.37 | 11.95% |
| 3304 · Engineering, Misc Services | 0.00 | | | | 0.00 | 30,000.00 | -30,000.00 | 0.0% | 0.00 | 30,000.00 | -30,000.00 | 0.0% |
| Total 3300 · CONTRACT LABOR | 0.00 | | | | 15,518.33 | 130,000.00 | -114,481.67 | 11.94% | 15,518.33 | 130,000.00 | -114,481.67 | 11.94% |
| 3400 · MATERIALS & SUPPLIES | | | | | | | | | | | | |
| 3401 · Conduit, Meter, Valve & Misc | 0.00 | | | | 6,737.75 | 65,000.00 | -58,262.25 | 10.37% | 6,737.75 | 65,000.00 | -58,262.25 | 10.37% |
| 3402 · Buildings & Roads | 0.00 | | | | 88.34 | 8,000.00 | -7,911.66 | 1.1% | 88.34 | 8,000.00 | -7,911.66 | 1.1% |
| 3403 · Reservoirs | 0.00 | | | | 0.00 | 5,000.00 | -5,000.00 | 0.0% | 0.00 | 5,000.00 | -5,000.00 | 0.0% |
| Total 3400 · MATERIALS & SUPPLIES | 0.00 | | | | 6,826.09 | 78,000.00 | -71,173.91 | 8.75% | 6,826.09 | 78,000.00 | -71,173.91 | 8.75% |
| 3500 · OTHER EXPENSES | | | | | | | | | | | | |
| 3501 · Utilities | 0.00 | | | | 1,351.16 | 7,000.00 | -5,648.84 | 19.3% | 1,351.16 | 7,000.00 | -5,648.84 | 19.3% |
| 3502 · Uniforms | 0.00 | | | | 460.17 | 5,000.00 | -4,539.83 | 9.2% | 460.17 | 5,000.00 | -4,539.83 | 9.2% |
| 3503 · Communications | 0.00 | | | | 2,464.36 | 15,800.00 | -13,335.64 | 15.6% | 2,464.36 | 15,800.00 | -13,335.64 | 15.6% |
| 3504 · USA & Other Services | 0.00 | | | | 399.50 | 4,000.00 | -3,600.50 | 9.99% | 399.50 | 4,000.00 | -3,600.50 | 9.99% |
| 3505 · Miscellaneous | 0.00 | | | | 2,741.18 | 11,200.00 | -8,458.82 | 24.48% | 2,741.18 | 11,200.00 | -8,458.82 | 24.48% |
| 3506 · Training | 0.00 | | | | 589.98 | 3,000.00 | -2,410.02 | 19.67% | 589.98 | 3,000.00 | -2,410.02 | 19.67% |
| Total 3500 · OTHER EXPENSES | 0.00 | | | | 8,006.35 | 46,000.00 | -37,993.65 | 17.41% | 8,006.35 | 46,000.00 | -37,993.65 | 17.41% |
| 4100 · LABOR - FISHERIES | 164,796.01 | 729,413.00 | -564,616.99 | 22.59% | 0.00 | | | | 164,796.01 | 729,413.00 | -564,616.99 | 22.59% |
| 4200 · VEHICLES & EQUIP - FISHERIES | | | | | | | | | | | | |
| 4270 · Vehicle/Equip Mtce | 4,673.12 | 30,000.00 | -25,326.88 | 15.58% | 0.00 | | | | 4,673.12 | 30,000.00 | -25,326.88 | 15.58% |
| 4280 · Fixed Capital | 2,221.03 | 15,000.00 | -12,778.97 | 14.81% | 0.00 | | | | 2,221.03 | 15,000.00 | -12,778.97 | 14.81% |
| 4290 · Miscellaneous | 0.00 | 2,500.00 | -2,500.00 | 0.0% | 0.00 | | | | 0.00 | 2,500.00 | -2,500.00 | 0.0% |
| Total 4200 · VEHICLES & EQUIP - FISHERIES | 6,894.15 | 47,500.00 | -40,605.85 | 14.51% | 0.00 | | | | 6,894.15 | 47,500.00 | -40,605.85 | 14.51% |
| 4220 · CONTRACT LABOR - FISHERIES | | | | | | | | | | | | |
| 4221 · Meters & Valves | 1,247.45 | 3,000.00 | -1,752.55 | 41.58% | 0.00 | | | | 1,247.45 | 3,000.00 | -1,752.55 | 41.58% |
| 4222 · Fish Projects Maintenance | 0.00 | 20,000.00 | -20,000.00 | 0.0% | 0.00 | | | | 0.00 | 20,000.00 | -20,000.00 | 0.0% |
| Total 4220 · CONTRACT LABOR - FISHERIES | 1,247.45 | 23,000.00 | -21,752.55 | 5.42% | 0.00 | | | | 1,247.45 | 23,000.00 | -21,752.55 | 5.42% |
| 4300 · MATERIALS/SUPPLIES - FISHERIES | | | | | | | | | | | | |
| 4390 · Miscellaneous | 239.35 | 7,000.00 | -6,760.65 | 3.42% | 0.00 | | | | 239.35 | 7,000.00 | -6,760.65 | 3.42% |
| Total 4300 · MATERIALS/SUPPLIES - FISHERIES | 239.35 | 7,000.00 | -6,760.65 | 3.42% | 0.00 | | | | 239.35 | 7,000.00 | -6,760.65 | 3.42% |

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

| | Fisheries | | | | Operations | | | | TOTAL | | | |
|---|------------------|-------------------|--------------------------|---------------|------------------|-------------------|--------------------------|---------------|------------------|-------------------|--------------------------|---------------|
| | Jul - Sep 20 | Budget | \$ Over / (Under) Budget | % of Budget | Jul - Sep 20 | Budget | \$ Over / (Under) Budget | % of Budget | Jul - Sep 20 | Budget | \$ Over / (Under) Budget | % of Budget |
| 4500 · OTHER EXPENSES - FISHERIES | | | | | | | | | | | | |
| 4502 · Uniforms | 310.27 | 3,500.00 | -3,189.73 | 8.87% | 0.00 | | | | 310.27 | 3,500.00 | -3,189.73 | 8.87% |
| Total 4500 · OTHER EXPENSES - FISHERIES | 310.27 | 3,500.00 | -3,189.73 | 8.87% | 0.00 | | | | 310.27 | 3,500.00 | -3,189.73 | 8.87% |
| 4999 · GENERAL & ADMINISTRATIVE | | | | | | | | | | | | |
| 5000 · Director Fees | 0.00 | | | | 1,210.30 | 12,400.00 | -11,189.70 | 9.76% | 1,210.30 | 12,400.00 | -11,189.70 | 9.76% |
| 5001 · Director Mileage | 0.00 | | | | 16.37 | 600.00 | -583.63 | 2.73% | 16.37 | 600.00 | -583.63 | 2.73% |
| 5100 · Legal | 0.00 | | | | 8,378.90 | 75,000.00 | -66,621.10 | 11.17% | 8,378.90 | 75,000.00 | -66,621.10 | 11.17% |
| 5101 · Audit | 0.00 | | | | 1,644.50 | 22,750.00 | -21,105.50 | 7.23% | 1,644.50 | 22,750.00 | -21,105.50 | 7.23% |
| 5150 · Unemployment Tax | 0.00 | | | | 0.00 | 5,000.00 | -5,000.00 | 0.0% | 0.00 | 5,000.00 | -5,000.00 | 0.0% |
| 5200 · Liability Insurance | 0.00 | | | | 31,188.59 | 33,326.00 | -2,137.41 | 93.59% | 31,188.59 | 33,326.00 | -2,137.41 | 93.59% |
| 5310 · Postage/Office Exp | 0.00 | | | | 2,026.28 | 5,000.00 | -2,973.72 | 40.53% | 2,026.28 | 5,000.00 | -2,973.72 | 40.53% |
| 5311 · Office Equip/Leases | 0.00 | | | | 1,098.06 | 9,700.00 | -8,601.94 | 11.32% | 1,098.06 | 9,700.00 | -8,601.94 | 11.32% |
| 5312 · Misc Admin Expenses | 0.00 | | | | 2,333.00 | 14,000.00 | -11,667.00 | 16.66% | 2,333.00 | 14,000.00 | -11,667.00 | 16.66% |
| 5313 · Communications | 0.00 | | | | 1,537.36 | 6,500.00 | -4,962.64 | 23.65% | 1,537.36 | 6,500.00 | -4,962.64 | 23.65% |
| 5314 · Utilities | 0.00 | | | | 2,726.73 | 9,737.00 | -7,010.27 | 28.0% | 2,726.73 | 9,737.00 | -7,010.27 | 28.0% |
| 5315 · Membership Dues | 0.00 | | | | 142.35 | 9,700.00 | -9,557.65 | 1.47% | 142.35 | 9,700.00 | -9,557.65 | 1.47% |
| 5316 · Admin Fixed Assets | 0.00 | | | | 1,455.70 | 3,000.00 | -1,544.30 | 48.52% | 1,455.70 | 3,000.00 | -1,544.30 | 48.52% |
| 5318 · Computer Consultant | 0.00 | | | | 3,846.60 | 16,500.00 | -12,653.40 | 23.31% | 3,846.60 | 16,500.00 | -12,653.40 | 23.31% |
| 5325 · Emp Training/Subscriptions | 0.00 | | | | 0.00 | 2,000.00 | -2,000.00 | 0.0% | 0.00 | 2,000.00 | -2,000.00 | 0.0% |
| 5330 · Admin Travel/Conferences | 0.00 | | | | 0.00 | 2,000.00 | -2,000.00 | 0.0% | 0.00 | 2,000.00 | -2,000.00 | 0.0% |
| 5331 · Public Information | 0.00 | | | | 0.00 | 3,500.00 | -3,500.00 | 0.0% | 0.00 | 3,500.00 | -3,500.00 | 0.0% |
| Total 4999 · GENERAL & ADMINISTRATIVE | 0.00 | | | | 57,604.74 | 230,713.00 | -173,108.26 | 24.97% | 57,604.74 | 230,713.00 | -173,108.26 | 24.97% |
| 5299 · ADMIN LABOR | 0.00 | | | | 143,522.19 | 602,068.00 | -458,545.81 | 23.84% | 143,522.19 | 602,068.00 | -458,545.81 | 23.84% |
| 5400 · GENERAL & ADMIN - FISHERIES | | | | | | | | | | | | |
| 5407 · Legal - FD | 2,789.90 | 25,000.00 | -22,210.10 | 11.16% | 0.00 | | | | 2,789.90 | 25,000.00 | -22,210.10 | 11.16% |
| 5410 · Postage / Office Supplies | 1,039.50 | 4,000.00 | -2,960.50 | 25.99% | 0.00 | | | | 1,039.50 | 4,000.00 | -2,960.50 | 25.99% |
| 5411 · Office Equipment / Leases | 591.30 | 6,518.00 | -5,926.70 | 9.07% | 0.00 | | | | 591.30 | 6,518.00 | -5,926.70 | 9.07% |
| 5412 · Misc. Admin Expense | 1,124.31 | 7,500.00 | -6,375.69 | 14.99% | 0.00 | | | | 1,124.31 | 7,500.00 | -6,375.69 | 14.99% |
| 5413 · Communications | 827.82 | 4,455.00 | -3,627.18 | 18.58% | 0.00 | | | | 827.82 | 4,455.00 | -3,627.18 | 18.58% |
| 5414 · Utilities | 1,468.23 | 5,243.00 | -3,774.77 | 28.0% | 0.00 | | | | 1,468.23 | 5,243.00 | -3,774.77 | 28.0% |
| 5415 · Membership Dues | 181.65 | 6,200.00 | -6,018.35 | 2.93% | 0.00 | | | | 181.65 | 6,200.00 | -6,018.35 | 2.93% |
| 5416 · Admin Fixed Assets | 782.83 | 3,000.00 | -2,217.17 | 26.09% | 0.00 | | | | 782.83 | 3,000.00 | -2,217.17 | 26.09% |
| 5418 · Computer Consultant | 2,072.25 | 9,000.00 | -6,927.75 | 23.03% | 0.00 | | | | 2,072.25 | 9,000.00 | -6,927.75 | 23.03% |
| 5425 · Employee Education/Subsription | 0.00 | 2,500.00 | -2,500.00 | 0.0% | 0.00 | | | | 0.00 | 2,500.00 | -2,500.00 | 0.0% |
| 5426 · Director Fees | 599.20 | 6,700.00 | -6,100.80 | 8.94% | 0.00 | | | | 599.20 | 6,700.00 | -6,100.80 | 8.94% |
| 5427 · Director Mileage | 61.32 | 300.00 | -238.68 | 20.44% | 0.00 | | | | 61.32 | 300.00 | -238.68 | 20.44% |
| 5430 · Travel | 0.00 | 2,500.00 | -2,500.00 | 0.0% | 0.00 | | | | 0.00 | 2,500.00 | -2,500.00 | 0.0% |
| 5431 · Public Information | 0.00 | 1,500.00 | -1,500.00 | 0.0% | 0.00 | | | | 0.00 | 1,500.00 | -1,500.00 | 0.0% |
| 5441 · Audit | 885.50 | 12,250.00 | -11,364.50 | 7.23% | 0.00 | | | | 885.50 | 12,250.00 | -11,364.50 | 7.23% |
| 5443 · Liab & Property Ins | 16,793.86 | 17,745.00 | -951.14 | 94.64% | 0.00 | | | | 16,793.86 | 17,745.00 | -951.14 | 94.64% |
| Total 5400 · GENERAL & ADMIN - FISHERIES | 29,217.67 | 114,411.00 | -85,193.33 | 25.54% | 0.00 | | | | 29,217.67 | 114,411.00 | -85,193.33 | 25.54% |
| 5499 · ADMIN LABOR-FISHERIES | 51,923.25 | 247,776.00 | -195,852.75 | 20.96% | 0.00 | | | | 51,923.25 | 247,776.00 | -195,852.75 | 20.96% |
| 5510 · Integrated Reg. Water Mgt Plan | 0.00 | | | | 0.00 | 5,000.00 | -5,000.00 | 0.0% | 0.00 | 5,000.00 | -5,000.00 | 0.0% |
| 6000 · SPECIAL PROJECTS | | | | | | | | | | | | |
| 6062 · SCADA | 0.00 | | | | 4,196.27 | 150,000.00 | -145,803.73 | 2.8% | 4,196.27 | 150,000.00 | -145,803.73 | 2.8% |
| 6090 · COMB Office Building | 0.00 | | | | 16,440.00 | 300,000.00 | -283,560.00 | 5.48% | 16,440.00 | 300,000.00 | -283,560.00 | 5.48% |
| 6096 · SCC Structure Rehabilitation | 0.00 | | | | 82,720.99 | 440,000.00 | -357,279.01 | 18.8% | 82,720.99 | 440,000.00 | -357,279.01 | 18.8% |
| 6097 · GIS and Mapping | 0.00 | | | | 925.00 | 10,000.00 | -9,075.00 | 9.25% | 925.00 | 10,000.00 | -9,075.00 | 9.25% |
| 6100 · Watershed Sanitary Survey | 0.00 | | | | 0.00 | 70,000.00 | -70,000.00 | 0.0% | 0.00 | 70,000.00 | -70,000.00 | 0.0% |
| 6105 · ROW Management Program | 0.00 | | | | 355.66 | 20,000.00 | -19,644.34 | 1.78% | 355.66 | 20,000.00 | -19,644.34 | 1.78% |

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

| | Fisheries | | | | Operations | | | | TOTAL | | | |
|--|-----------------------|------------------------|--------------------------|----------------|----------------------|------------------------|--------------------------|---------------|----------------------|------------------------|--------------------------|----------------|
| | Jul - Sep 20 | Budget | \$ Over / (Under) Budget | % of Budget | Jul - Sep 20 | Budget | \$ Over / (Under) Budget | % of Budget | Jul - Sep 20 | Budget | \$ Over / (Under) Budget | % of Budget |
| 6120 · Lake Cachuma Secured Pipeline Project | 0.00 | | | | 66,085.99 | 300,000.00 | -233,914.01 | 22.03% | 66,085.99 | 300,000.00 | -233,914.01 | 22.03% |
| 6136 · SCC Isolation Valve Evaluation | 0.00 | | | | 0.00 | 190,000.00 | -190,000.00 | 0.0% | 0.00 | 190,000.00 | -190,000.00 | 0.0% |
| 6137 · SCC Lower Reach Lateral Structures | 0.00 | | | | 3,826.75 | 150,000.00 | -146,173.25 | 2.55% | 3,826.75 | 150,000.00 | -146,173.25 | 2.55% |
| Total 6000 · SPECIAL PROJECTS | 0.00 | | | | 174,550.66 | 1,630,000.00 | -1,455,449.34 | 10.71% | 174,550.66 | 1,630,000.00 | -1,455,449.34 | 10.71% |
| 6200 · FISHERIES ACTIVITIES | | | | | | | | | | | | |
| 6201 · FMP Implementation | 13,731.28 | 35,000.00 | -21,268.72 | 39.23% | 0.00 | | | | 13,731.28 | 35,000.00 | -21,268.72 | 39.23% |
| 6202 · GIS and Mapping | 0.00 | 10,000.00 | -10,000.00 | 0.0% | 0.00 | | | | 0.00 | 10,000.00 | -10,000.00 | 0.0% |
| 6205 · USGS Stream Gauge Program | 7,891.12 | 105,000.00 | -97,108.88 | 7.52% | 0.00 | | | | 7,891.12 | 105,000.00 | -97,108.88 | 7.52% |
| 6207 · Oak Tree Restoration Program | 186.36 | 25,000.00 | -24,813.64 | 0.75% | 0.00 | | | | 186.36 | 25,000.00 | -24,813.64 | 0.75% |
| Total 6200 · FISHERIES ACTIVITIES | 21,808.76 | 175,000.00 | -153,191.24 | 12.46% | 0.00 | | | | 21,808.76 | 175,000.00 | -153,191.24 | 12.46% |
| 6300 · HABITAT ENHANCEMENT | | | | | | | | | | | | |
| 6303 · Tributary Projects Support | 0.00 | 10,000.00 | -10,000.00 | 0.0% | 0.00 | | | | 0.00 | 10,000.00 | -10,000.00 | 0.0% |
| 6315 · Quiota Creek Crossing 8 | 31,769.37 | 0.00 | 31,769.37 | 100.0% | 0.00 | | | | 31,769.37 | 0.00 | 31,769.37 | 100.0% |
| Total 6300 · HABITAT ENHANCEMENT | 31,769.37 | 10,000.00 | 21,769.37 | 317.69% | 0.00 | | | | 31,769.37 | 10,000.00 | 21,769.37 | 317.69% |
| 7007 · INTEREST EXPENSE-EPPF | 0.00 | | | | 4,322.18 | 0.00 | 4,322.18 | 100.0% | 4,322.18 | 0.00 | 4,322.18 | 100.0% |
| Total Expense | \$ 308,206.28 | \$ 1,357,600.00 | \$ (1,049,393.72) | 22.7% | \$ 608,622.68 | \$ 3,806,921.00 | \$ (3,198,298.32) | 15.99% | \$ 916,828.96 | \$ 5,164,521.00 | \$ (4,247,692.04) | 17.75% |
| Net Surplus / Deficit | \$ (11,464.28) | \$ - | \$ (11,464.28) | 100.0% | \$ 289,150.87 | \$ - | \$ 289,150.87 | 100.0% | \$ 277,686.59 | \$ - | \$ 277,686.59 | 100.0% |

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|------------------|
| Date: | October 26, 2020 |
| Submitted by: | Janet Gingras |

SUBJECT: Investment Report – September 30, 2020

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation and Maintenance Board Investment Report as of September 30, 2020.

DISCUSSION

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

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

Unrestricted Cash

Unrestricted cash exceeding current operating needs is invested in LAIF to generate interest income. The average monthly effective yield rate, as of September 2020, is reported at 0.685%.

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 | 08/31/2020 | \$ 1,390,654.59 |
| | (+) Deposits/Credits | | - |
| | (-) Checks/Withdrawals | | - |
| | Statement Balance | 09/30/2020 | \$ 1,390,654.59 |

Restricted Cash

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

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

| TABLE 2 | | | |
|--|------------------------|------------|---------------|
| Restricted Reserve Funds | | Date | Principal |
| American Riviera Bank Renewal Account | | | |
| | Previous Balance | 08/31/2020 | \$ 10,215.61 |
| | (+) Deposits/Credits | | - |
| | (-) Checks/Withdrawals | | - |
| | Statement Balance | 09/30/2020 | \$ 10,215.61 |
| American Riviera Bank Warren Act Trust Fund | | | |
| | Previous Balance | 08/31/2020 | \$ 134,545.72 |
| | (+) Deposits/Credits | | - |
| | (-) Checks/Withdrawals | | - |
| | Statement Balance | 09/30/2020 | \$ 134,545.72 |

STATEMENT

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



 Secretary

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Cachuma Operation & Maintenance Board

Paid Claims

As of September 30, 2020

| Date | Num | Name | Memo | Split | Amount |
|----------------------------|-------------|---|--|-------------------------|-----------------------------|
| 1050 - General Fund | | | | | |
| 09/03/2020 | 27926-27952 | VOID | Void | 2200 · Accounts Payable | 0.00 |
| 09/03/2020 | 27953 | Aspect Engineering Group | SCADA Upgrade - PLC 8 Upgrade | 2200 · Accounts Payable | -4,120.25 |
| 09/03/2020 | 27954 | Channel City Lumber | Lauro Yard Project | 2200 · Accounts Payable | -320.01 |
| 09/03/2020 | 27955 | Charles T. Plough, III | Director Fees August 2020 | 2200 · Accounts Payable | -150.00 |
| 09/03/2020 | 27956 | City of Santa-Barbara | Trash / Recycling August 2020 | 2200 · Accounts Payable | -304.75 |
| 09/03/2020 | 27957 | Core and Main, LP | SCC Lower Reach Laterals Materials | 2200 · Accounts Payable | -28,599.20 |
| 09/03/2020 | 27958 | Culligan of Sylmar | RO Rental September 2020 | 2200 · Accounts Payable | -29.95 |
| 09/03/2020 | 27959 | Farwest Corrosion Control Co. | South Coast Conduit Maintenance - Freight Costs | 2200 · Accounts Payable | -69.50 |
| 09/03/2020 | 27960 | Frontier Communications | Phone Service - North Portal, Fax, Alarm | 2200 · Accounts Payable | -255.69 |
| 09/03/2020 | 27961 | Harrison Hardware | Supplies - Fisheries | 2200 · Accounts Payable | -23.25 |
| 09/03/2020 | 27962 | J&C Services | Office Cleaning Service - Weekly 7/13/20-8/03/20 | 2200 · Accounts Payable | -600.00 |
| 09/03/2020 | 27963 | Kristen Sneddon | Director Meeting Fees August 2020 | 2200 · Accounts Payable | -150.00 |
| 09/03/2020 | 27964 | Lauren W. Hanson | Director Meeting Fees August 2020 | 2200 · Accounts Payable | -150.00 |
| 09/03/2020 | 27965 | Makai Ocean Engineering, Inc. | Lake Cachuma Secured Pipeline Project - Professional Services | 2200 · Accounts Payable | -56,775.99 |
| 09/03/2020 | 27966 | Musick, Peeler & Garrett LLP | General Counsel May 2020 | 2200 · Accounts Payable | -5,566.00 |
| 09/03/2020 | 27967 | O'Reilly Automotive, Inc. | Automotive Supplies (Ops) | 2200 · Accounts Payable | -9.77 |
| 09/03/2020 | 27968 | Paychex, Inc. (Payroll) | Payroll & Payroll Tax Services 8/05/20 & 8/19/20 | 2200 · Accounts Payable | -190.75 |
| 09/03/2020 | 27969 | VOID | Void | 2200 · Accounts Payable | 0.00 |
| 09/03/2020 | 27970 | Polly Holcombe | Director Meeting Fees August 2020 | 2200 · Accounts Payable | -128.00 |
| 09/03/2020 | 27971 | Powell Garage | Vehicle Maintenance - Oil Change & Brakes (Ops & Fisheries) | 2200 · Accounts Payable | -386.91 |
| 09/03/2020 | 27972 | SB Home Improvement Center | Miscellaneous Supplies & Tools (Ops & Fisheries) | 2200 · Accounts Payable | -83.18 |
| 09/03/2020 | 27973 | Southern California Edison | Electricity - Main & Outlying Stations | 2200 · Accounts Payable | -1,663.29 |
| 09/03/2020 | 27974 | Spatial Wave | GIS & Mapping - Field Mapplet Software Maintenance October - December 2020 (Ops) | 2200 · Accounts Payable | -925.00 |
| 09/03/2020 | 27975 | Staples Business Credit | Office Supplies (Ops & Fisheries) | 2200 · Accounts Payable | -1,659.84 |
| 09/03/2020 | 27976 | Turenchalk Network Services, Inc. | Network Support | 2200 · Accounts Payable | -1,878.00 |
| 09/03/2020 | 27977 | Underground Service Alert of So. Calif. | Ticket Charges & Database Fee | 2200 · Accounts Payable | -170.05 |
| 09/03/2020 | 27978 | Wright Express Fleet Services | Fleet Fuel August 2020 (Ops & Fisheries) | 2200 · Accounts Payable | -2,488.25 |
| 09/03/2020 | 27979 | Phoenix Civil Engineering | Goleta West Conduit Encasement & Coating Evaluation | 2200 · Accounts Payable | -1,495.00 |
| 09/14/2020 | 27980 | AT&T | Long Distance 5/28/20-8/27/20 | 2200 · Accounts Payable | -147.39 |
| 09/14/2020 | 27981 | Bend Genetics, LLC | Cachuma Watershed Mgmt Study - Sampling | 2200 · Accounts Payable | -305.00 |
| 09/14/2020 | 27982 | Coastal Copy, LP | Copier Maintenance - Kyocera Taskalfa 3051ci, 3253ci & 6052ci | 2200 · Accounts Payable | -264.53 |
| 09/14/2020 | 27983 | County of Santa-Barbara | Waste Disposal Fees (Ops & Fisheries) | 2200 · Accounts Payable | -463.75 |
| 09/14/2020 | 27984 | Cox Communications Santa Barbara | Business Internet September 2020 | 2200 · Accounts Payable | -140.00 |
| 09/14/2020 | 27985 | Eurofins Eaton Analytical, LLC | Lake Cachuma Water Quality - Sampling | 2200 · Accounts Payable | -1,040.00 |
| 09/14/2020 | 27986 | Federal Express | Shipping - Miscellaneous & Water Samples (Ops) | 2200 · Accounts Payable | -600.01 |
| 09/14/2020 | 27987 | Impulse Advanced Communications | Phone Service - Main Office | 2200 · Accounts Payable | -451.68 |
| 09/14/2020 | 27988 | Lash Construction, Inc. | Lauro Yard - Road Base | 2200 · Accounts Payable | -75.41 |
| 09/14/2020 | 27989 | Musick, Peeler & Garrett LLP | General Counsel July 2020 | 2200 · Accounts Payable | -9,349.75 |
| 09/14/2020 | 27990 | O'Connor Pest Control | Exterminator Services | 2200 · Accounts Payable | -385.00 |
| 09/14/2020 | 27991 | Phoenix Civil Engineering | Goleta West Conduit Encasement & Coating Evaluation | 2200 · Accounts Payable | -7,025.00 |
| 09/14/2020 | 27992 | Premiere Global Services | Conference Calls August 2020 | 2200 · Accounts Payable | -26.62 |
| 09/14/2020 | 27993 | Southern California Edison | Electricity - Outlying Stations | 2200 · Accounts Payable | -33.77 |
| 09/14/2020 | 27994 | Sparkletts | Operations Safety | 2200 · Accounts Payable | -55.83 |
| 09/14/2020 | 27995 | Verizon Wireless | Cellular Services - Phones, Modems, iPads (Ops) | 2200 · Accounts Payable | -655.65 |
| 09/14/2020 | 27996 | Zac Gonzalez Landscaping & Tree Care | Landscape Maintenance August 2020 | 2200 · Accounts Payable | -480.00 |
| 09/14/2020 | 27997 | VOID | Void | 2200 · Accounts Payable | 0.00 |
| 09/23/2020 | 27998 | American Riviera Bank - Card Service | Website, Training, Uniforms, Torque Limiter & Drill, Job Postings, Vehicle Maintenance | 2200 · Accounts Payable | -5,026.49 |
| 09/23/2020 | 27999 | Association of Ca Water Agencies/JPIA | October Health Benefits Premium | 2200 · Accounts Payable | -34,391.50 |
| 09/23/2020 | 28000 | Boone Graphics | Letterheads and Graphic Design | 2200 · Accounts Payable | -333.49 |
| 09/23/2020 | 28001 | Bureau of Reclamation | Safety of Dam Payment - Lauro | 2200 · Accounts Payable | -47,404.66 |
| 09/23/2020 | 28002 | Bureau of Reclamation | Safety of Dam Payment - Bradbury | 2200 · Accounts Payable | -261,647.70 |
| 09/23/2020 | 28003 | Cushman Contracting Corp. | EPFP Pumping System - Pay Req #77 | 2200 · Accounts Payable | -3,500.00 |
| 09/23/2020 | 28004 | Eurofins Eaton Analytical, LLC | Lake Cachuma Water Quality - Sampling | 2200 · Accounts Payable | -1,000.00 |
| 09/23/2020 | 28005 | Federal Express | Shipping - Miscellaneous & Water Samples (Ops) | 2200 · Accounts Payable | -268.11 |
| 09/23/2020 | 28006 | Home Depot Credit Services | Supplies and Vehicle Tool Inventory (Ops) | 2200 · Accounts Payable | -1,135.88 |
| 09/23/2020 | 28007 | J&C Services | Office Cleaning Service - Weekly 8/14/20-9/04/20 | 2200 · Accounts Payable | -600.00 |
| 09/23/2020 | 28008 | MarBorg Industries | Portable Facilities - Outlying Stations | 2200 · Accounts Payable | -387.92 |
| 09/23/2020 | 28009 | PG&E | Electricity - North Portal & Tecolote Tunnel (Ops) | 2200 · Accounts Payable | -371.79 |
| 09/23/2020 | 28010 | Wells Fargo Vendor Fin Serv | Copier Lease - Kyocera Taskalfa 3253ci (Ops) | 2200 · Accounts Payable | -198.98 |
| 09/28/2020 | 092820A | American Riviera Bank (ARB) | EPFP Loan Payment 1 of 2 | 2200 · Accounts Payable | -28,123.75 |
| 09/28/2020 | 092820B | American Riviera Bank (ARB) | EPFP Loan Payment 2 of 2 | 2200 · Accounts Payable | -10,354.21 |
| 09/28/2020 | 28011 | VOID | Void | 2200 · Accounts Payable | 0.00 |
| 09/28/2020 | 28012 | Bureau of Reclamation | USBR 2021 Water Rates 1st Period Obligation 10/1/20-4/1/21 | 2200 · Accounts Payable | -645,418.25 |
| Total 1050 · General Fund | | | | | <u>-1,169,854.75</u> |
| TOTAL | | | | | <u>-1,169,854.75</u> |

APPROVALS

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CACHUMA OPERATION & MAINTENANCE BOARD

Operations Committee Meeting

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

Wednesday, October 21, 2020
8:30 am

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. Infrastructure Improvement Projects Implementation (*for information and possible recommendation*)
 - a. Lateral Rehabilitation Project – Proposed Revised Strategy
 - Isolation Valve Engineering Designs
 - b. South Coast Conduit Structure Rehabilitation – Construction Contract
4. Engineering / Operations Projects Update (*for information and possible recommendation*)
 - Water Quality and Sediment Management Study – Phase II Internal Activities
 - Cachuma Project - Draft Domestic Water Supply Permit Process
 - Lake Cachuma Watershed Sanitary Survey
 - Lake Cachuma Bathymetric Survey
5. Adjournment

NOTICE TO THE PUBLIC

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

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

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

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|------------------|
| Date: | October 26, 2020 |
| Submitted by: | Edward Lyons |
| Approved by: | Janet Gingras |

SUBJECT: U.S. Bureau of Reclamation Cachuma Project Water Rates

RECOMMENDATION:

The Board of Directors receive information regarding U.S. Bureau of Reclamation Cachuma Project Water Rates and provide direction to staff, as appropriate.

BACKGROUND:

Water Rate Calculation

Through COMB Resolution No. 224 and the Water Rates Agreement, COMB is responsible for administration of the semi-annual Cachuma Project Water Rates on behalf of the Member Agencies. The water rates are developed annually by the rate-setting branch of Reclamation in Sacramento and are dependent on certain components to calculate the rate.

The first component in calculating the water rates is based on projected Cachuma Project operation and maintenance (O&M) costs and approved deliveries to the Member Agencies for the upcoming water year. The Fresno Area Office is responsible for providing the Regional Office estimated operating budgets and projected costs pertaining to the Cachuma Project.

The second component consists the recovery of actual Cachuma Project O & M expenditures related to Reclamations full prior fiscal year. For example, the 2021 water rates are based on revenues paid and expenses incurred during fiscal year ending September 2019. If a deficit exists, water rates are formulated to collect that deficit. If a surplus exists, the surplus is applied toward the formulation of water rates.

These two components make up the total water rates for the period.

Application of Revenues Collected

Under Article 6 of the Renewal Master Contract, revenues collected by the United States shall be credited in order as follows: (1) to annual O & M costs for water deliveries, (2) to annual Water Marketing costs for water deliveries, (3) to any O & M costs deficit or Water Marketing Costs deficit from preceding Water Years, and (4) to Capital Costs.

Water Rates Deficits (2015-2017)

Reclamation reported a deficit total of \$426,864 for WY 2015, a deficit total of \$1,003,523 for WY 2016, and a deficit total of \$302,053 for WY 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.

Extraordinary Operation and Maintenance (XO & M) Expenses

Starting with Water Year 2018, the Cachuma Project water rates included extraordinary operation and maintenance (O & M) expenses for the replacement and installation of two 30" cone valves for Bradbury Dam. An extended repayment term was included in the calculation with a repayment amount amortized over a three-year period including interest.

Reclamation solicited bids for the replacement and installation of the two valves in 2018. A contractor was engaged and was requested to provide value engineering on the project. Subsequently, after Reclamation expended approximately \$360,000 on contract management, specification development, designs and settlement with the contractor, the contract was terminated. Any additional costs for design and contract management will be reflected in the financial statements for fiscal year 2020.

DISCUSSION:

Water Year 2018

As shown in Table 1, the water rates reflect a net surplus of \$13,513 recognized during 2018. This net surplus is comprised of deficit in regular O & M costs of \$227,879 and is offset by a surplus in extraordinary O & M expenses of \$241,392.

Reclamation applied this net surplus first against any outstanding WY 2015 – 2017 deficit balances from prior years per Reclamation policy. For those Cachuma Project Member Units that paid their prior year deficit balances in full, their respective pro-rata adjustment of \$7,221.93 was applied towards their Water Year 2020 water rates.

Water Year 2019

As shown in Table 1, the water rates reflect net deficit of \$55,589 recognized during 2019. The net deficit is comprised of a deficit in regular O & M expenses of \$300,107 and is offset by a surplus in extraordinary O&M expenses of \$244,517.

Reclamation recouped this net deficit first against any WY 2015 – 2017 deficit repayments that were made during Water Year 2020 per Reclamation policy. For those Cachuma Project Member Units who paid their prior year deficit balances in full, their respective pro-rata adjustment of \$29,711.78 was added to their Water Year 2021 water rates.

Water Year 2020

The water rates for Water Year 2020 included projected O & M costs of \$1,700,000 and the third installment of Extraordinary O & M Expenses of \$422,641.55. The water rates reflect a Water Year 2018 surplus refund of \$7,221.93 as described in Table 1, Footnote 1.

The audited financials for Water Year 2020 will not be available until May of 2021.

Water Year 2021

The water rates for Water Year 2021 includes projected O & M costs of \$1,551,000. The water rates reflect a Water Year 2018 deficit recovery adjustment of \$29,711.78 as described in Table 1, Footnote 2.

The audited financials for Water Year 2021 will not be available until May of 2022.

Table 1

| Cachuma Project USBR Water Rates & Deficits WY 2018-2021 | | | | Prior Year Surplus / (Deficit) | Sub Total Water Rates | 2015-2017 Deficit Repayment |
|--|-----------------|---------------|------------------------|--------------------------------------|--------------------------|-----------------------------------|
| | O&M | XO&M | Surplus / (Deficit) | | | |
| <u>WY 2018</u> | | | | | | |
| Water Rates Collected | \$ 1,305,996.00 | \$ 422,642.00 | \$ 1,728,638.00 | \$ - | \$ - | \$ - |
| Actual Expenditures | 1,533,875.00 | 181,250.00 | 1,715,125.00 | - | - | - |
| Surplus / (Deficit) ⁽¹⁾ | \$ (227,879.00) | \$ 241,392.00 | \$ 13,513.00 | \$ - | \$ - | \$ - |
| <u>WY 2019</u> | | | | | | |
| Water Rates Collected | \$ 1,607,000.00 | \$ 422,641.55 | \$ 2,029,641.55 | \$ - | \$ - | \$ 298,520.80 |
| Actual Expenditures | 1,907,107.00 | 178,124.00 | 2,085,231.00 | - | - | - |
| Surplus / (Deficit) ⁽²⁾ | \$ (300,107.00) | \$ 244,517.55 | \$ (55,589.45) | \$ - | \$ - | \$ 298,520.80 |
| <u>WY 2020</u> | | | | | | |
| Water Rates Collected | \$ 1,700,000.00 | \$ 422,641.55 | \$ 2,122,641.55 | \$ 7,221.93 | \$ 2,115,419.62 | \$ 197,109.48 |
| Actual Expenditures ⁽³⁾ | TBD | TBD | TBD | - | - | - |
| Surplus / (Deficit) | TBD | TBD | TBD | - | - | - |
| <u>WY 2021</u> | | | | | | |
| Water Rates Collected | \$ 1,551,000.00 | \$ - | \$ 1,551,000.00 | \$ (29,711.78) | \$ 1,580,711.78 | \$ 207,534.23 |
| Actual Expenditures ⁽⁴⁾ | TBD | - | TBD | - | - | - |
| Surplus / (Deficit) | TBD | - | TBD | - | - | - |

Deficit Situation

Footnote:

(1) WY 2018 reflects a net surplus of \$13,513. Of this amount, \$6,291.07 was applied against the WY 2015 - 2017 Deficit Repayment for those Cachuma Project Members that had an outstanding balance obligation. For those members that paid their WY 2015 - 2017 deficit in full, their pro-rata surplus adjustment of \$7,221.93 was applied to the Water Year 2020 water rates.

(2) WY 2019 reflects a net deficit of \$55,589.45. Of this amount, \$25,877.67 was recovered (deducted) from the WY 2015 - 2017 Deficit Repayment collected during that year. For those members that paid their WY 2015 - 2017 deficit in full, their pro-rata deficit of \$29,711.78 added to the Water Year 2021 water rates.

(3) The audited financials for WY 2020 will not be available until May of 2021.

(4) The audited financials for WY 2021 will not be available until May of 2022.

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|------------------|
| Date: | October 26, 2020 |
| Submitted by: | Edward Lyons |
| Approved by: | Janet Gingras |

SUBJECT: Financial Review – 1st Quarter Fiscal Year 2020-21

RECOMMENDATION:

The Board of Directors receive and file the 1st Quarter Fiscal Year 2020-21 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.

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

Table 1
COMB Quarterly Budget Assessments FY 2020 - 21

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

FISCAL ANALYSIS:

Revenues Assessed and Collected

- COMB assessed and collected \$1.06M in quarterly O&M Budget Assessments for the period July – September 2020.
- COMB assessed and collected \$645.4K in pass-through charges on behalf of the US Bureau of Reclamation for the 1st payment period entitlement obligation covering October 1, 2020 to April 1, 2021.
- COMB assessed and collected \$309.1K in pass-through charges on behalf of the US Bureau of Reclamation for the annual Bradbury and Lauro Safety of Dams (SOD) repayment obligation for the water year 2020-21.
- COMB collected \$195.2k from a non-member agency as reimbursement for 2000 BiOp and Oak Tree Mitigation activities performed during FY 2018 through FY 2020 and 1st Quarter FY 2020-21.

- COMB collected \$115.8K in quarterly EPFP Loan Assessments related to loan repayments made on behalf of Goleta Water District and Montecito Water District pertaining to the Emergency Pumping Facility for the period April – June 2020.
- COMB collected \$15k from a non-member agency as reimbursement for 2000 BiOp and Oak Tree Mitigation activities performed during July – September 2020.
- COMB received a refund of \$10.4k from the County of Santa Barbara for unused permit fees related to Quiota Creek Crossing No. 8.
- COMB collected \$5.1K in interest income for funds held with LAIF.

Expenditures To Date (% of Budget Apportioned thru September – 22%)

General and Administrative (Combined)

- General and Administrative Expenses include costs for support of all administrative functions of COMB such as: Director fees, legal expenditures, general liability and property insurance, audit fees, temporary/contract labor, utilities, IT and communications, postage and office supplies, training, education and subscriptions and miscellaneous expenses. Costs are generally allocated between Operations and Maintenance (65%) and Fisheries Division (35%). General and Administrative expenses thru September total \$86.8K (25.2%). Costs in this category are on trend and generally occur evenly throughout the year. Notable expenses include the payment of the annual ACWA-JPIA Auto and General Liability premium (\$42.6K) during the first quarter.
- General and Administrative Labor includes salaries, employer taxes, health insurance and retirement benefit costs for the COMB General Manager and Administrative staff. General and Administrative Labor expense total \$195.4K (23%). Costs in this category are on trend and generally occur evenly throughout the year.

Operations Division

- Operation and Maintenance Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs. Personnel costs of \$191.7K (19.0%) are lower than budget due to staff vacancies. Notable expenses include the one-time payout of accrued vacation and sick benefits to a terminated employee (\$8K).
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$6.7K (8.8%) are within budget.
- Contract Labor contains funds for outside services and labor that cannot be supported by COMB staff such as water quality sampling, elevator maintenance or repair, tree trimming and removal services, heavy equipment and operators' labor costs for various small projects including meter calibration and meter repair. Projects and staff assignments are reviewed by the General Manager and Operations Division Manager to control costs in this category. Actual costs of \$15.5K (11.9%) are within budget.
- Materials and Supplies covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. Actual costs of \$6.8K (8.8%) 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 \$8K (17.4%) are within budget.
- Special Projects - Board policy requires that all infrastructure improvement projects be approved through Committee and by the Board prior to commencement. Actual costs through September were \$174.6K. This amount is attributed to the following projects: South Coast Conduit (SCC)

Rehabilitation Project (\$82.7K), Lake Cachuma Secured Pipeline (\$66.1K), the COMB Office Building (\$6k), SCADA (\$4.2K) and SCC Lower Reach Lateral Structure Repair (\$3.8K). The timing and ranking of projects are dependent on factors such as: (1) water supply reliability, (2) risk, (3) critical need/life cycle of asset, (4) safety, and (5) service disruption necessary to accomplish project.

- **The total Operations Division expenses of \$604.3M (15.9%) through September are within budget.**
- **The projected annualized Operations Division expenses of \$3.6M (95.3%) for FY 2020-21 are within budget as reflected in Table 2 below:**

Table 2

| Operations Division | | | | | | | | |
|----------------------------|---------------|------------|--------------|------------|--------------|--------------|----------------|--------|
| | Actual | Budget | Budget | Budget | Annual | Annual | Over / (Under) | % of |
| | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Projected | Budget | Budget (\$) | Budget |
| Revenue | | | | | | | | |
| Revenue | \$ 781,911 | \$ 879,086 | \$ 1,347,086 | \$ 798,836 | \$ 3,806,920 | \$ 3,806,921 | \$ (1) | 100.0% |
| Expense | | | | | | | | |
| General and Admin Expenses | 57,605 | 53,409 | 46,909 | 43,659 | 201,582 | 230,713 | (29,131) | 87.4% |
| General and Admin Labor | 143,522 | 150,517 | 150,517 | 150,517 | 595,073 | 602,068 | (6,995) | 98.8% |
| O&M Labor | 191,708 | 252,535 | 252,535 | 252,535 | 949,314 | 1,010,140 | (60,826) | 94.0% |
| O&M Vehicle & Equip | 6,564 | 18,750 | 18,750 | 18,750 | 62,814 | 75,000 | (12,186) | 83.8% |
| O&M Contract Labor | 15,518 | 32,500 | 32,500 | 32,500 | 113,018 | 130,000 | (16,982) | 86.9% |
| O&M Material and Supplies | 6,826 | 13,000 | - | - | 19,826 | 78,000 | (58,174) | 25.4% |
| O&M Other Expenses | 8,006 | 10,875 | 10,875 | 13,375 | 43,131 | 46,000 | (2,869) | 93.8% |
| O&M Special Projects | 174,551 | 347,500 | 835,000 | 287,500 | 1,644,551 | 1,635,000 | 9,551 | 100.6% |
| Total Expense | \$ 604,301 | \$ 879,086 | \$ 1,347,086 | \$ 798,836 | \$ 3,629,309 | \$ 3,806,921 | \$ (177,612) | 95.3% |
| Net Surplus / (Deficit) | \$ 177,611 | \$ - | \$ - | \$ - | \$ 177,611 | \$ - | \$ 177,611 | |

Fisheries Division

- **Fisheries Division Labor** includes salaries, employer payroll taxes, health insurance and retirement benefit costs for the Fisheries Division Manager, two Senior Field Biologists, a Biologist Aide position, and four part-time seasonal positions. Personnel costs of \$164.8K (22.6%) are within budget.
- **Vehicles & Equipment** includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Year to date actual costs of \$6.9K (14.5%) are within the apportioned budget.
- **Contract Labor** contains funds for outside services/labor to support equipment calibration on flow meters, and funds for technical assistance corresponding to the operation, maintenance and performance review of completed fish passage projects. Projected consultant services are reviewed by the General Manager and Fisheries Division Manager to control costs in this category. Year to date actual costs of \$1.2K (5.4%) are within budget. COMB has entered into an annual agreement with HDR Engineering to perform tasks outlined in an approved scope of work (SOW) under this category.
- **Materials and Supplies** includes costs for the purchase of items needed for the Fisheries Monitoring Program specifically for migration, spawning and over-summering; constructing and repairing fish migration traps and the equipment necessary to conduct snorkel and redds surveys. Actual costs of \$0.2K (5.4%) are within budget.
- **Other Expenses** include funds to pay for uniforms and gear for the fisheries division employees. Actual costs of \$0.3K (8.9%) are within budget.

- Fisheries Division Activities includes funding for special activities related to ongoing Cachuma Project Biological Opinion (BiOp) compliance efforts, the implementation of the Lower Santa Ynez River Fisheries Monitoring Program (FMP), GIS mapping, grants technical support, USGS Stream Gauge Program and the Oak Tree Restoration Program. The use of external consultants and the timing of expenditures can vary year-to-year based on specific program needs or as particular stream or habitat issues arise. Actual costs of \$21.8K (12.5%) are within the apportioned budget.
- Fisheries Habitat Improvement - Board policy requires that all habitat improvement projects be approved through Committee and by the Board prior to commencement. Costs of \$31.8K through September are related to the South Side Erosion Control and Reforestation Project at Quiota Creek Crossing 8 project. COMB staff is seeking grant reimbursement of approximately \$42K from the National Fish and Wildlife Foundation. Payment is expected during the 2nd quarter of FY 2020-21.
- **The total Fisheries Division expenses of \$308.2K (22.7%) through September is slightly higher than the apportioned budget due to the aforementioned Habitat Improvement Project referenced in the preceding paragraph.**
- **The projected annualized Fisheries Division expenses of \$1.3M (97.3%) for FY 2020-21 are within budget as reflected in Table 3 below:**

Table 3

Fisheries Division

| | Actual | Budget | Budget | Budget | Annual | Annual | Over/(Under) | % of |
|---------------------------------|---------------|------------|------------|------------|--------------|--------------|--------------|--------|
| | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Projected | Budget | Budget (\$) | Budget |
| Revenue | | | | | | | | |
| Revenue | \$ 296,742 | \$ 349,026 | \$ 331,026 | \$ 333,026 | \$ 1,309,820 | \$ 1,357,600 | \$ (47,780) | 96.5% |
| Expense | | | | | | | | |
| General and Admin Expenses | 29,218 | 26,354 | 22,854 | 21,104 | 99,530 | 114,411 | (14,881) | 87.0% |
| General and Admin Labor | 51,923 | 61,944 | 61,944 | 61,944 | 237,755 | 247,776 | (10,021) | 96.0% |
| Fisheries Labor | 164,796 | 182,353 | 182,353 | 182,353 | 711,856 | 729,413 | (17,557) | 97.6% |
| Fisheries Vehicle & Equip | 6,894 | 11,875 | 11,875 | 11,875 | 42,519 | 47,500 | (4,981) | 89.5% |
| Fisheries Contract Labor | 1,247 | 20,750 | 750 | 750 | 23,497 | 23,000 | 497 | 102.2% |
| Fisheries Material and Supplies | 239 | 1,750 | 1,750 | 1,750 | 5,489 | 7,000 | (1,511) | 78.4% |
| Fisheries Other Expenses | 310 | 500 | 500 | 2,000 | 3,310 | 3,500 | (190) | 94.6% |
| Fisheries Activities | 21,809 | 41,000 | 46,500 | 48,750 | 158,059 | 175,000 | (16,941) | 90.3% |
| Fisheries Habitat Enhancement | 31,769 | 2,500 | 2,500 | 2,500 | 39,269 | 10,000 | 29,269 | 392.7% |
| Total Expense | \$ 308,206 | \$ 349,026 | \$ 331,026 | \$ 333,026 | \$ 1,321,285 | \$ 1,357,600 | \$ (36,315) | 97.3% |
| Net Surplus / (Deficit) | \$ (11,464) | \$ - | \$ - | \$ - | \$ (11,464) | \$ - | \$ (11,464) | |

Restricted Funds and Obligations

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

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

- **Renewal Funds (Restricted Fund)** - The Renewal Fund is a requirement of the 1995 Renewal Master Contract (Contract No. 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. The Member Units are the Carpinteria Valley Water District, the Goleta Water District, the Montecito Water District, the City of Santa Barbara, and the Santa Ynez River Water Conservation District, Improvement District No. 1 (ID No. 1).

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

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

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

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

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

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

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

COMB assesses the remaining Member Agencies at the end of each quarter, for the monthly loan payments made on their behalf during that period. As of September 30, 2020, the total combined principal outstanding for the EPFP loan obligation is approximately \$376.5K.

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

The fifteen percent obligation under the Bradbury SOD contract is \$7,605,739 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2020-21 is \$261,647. COMB assesses the Cachuma Project Member Units in accordance with their respective Cachuma Project entitlement percentages.

The fifteen percent obligation under the Lauro SOD contract is \$1,009,737 and is to be repaid by annual payments over a 50-year period. COMB's payment obligation for FY 2020-21 is \$44,404.66. COMB assesses the COMB Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

LIST OF EXHIBITS:

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

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

| | Fisheries | | | | Operations | | | | TOTAL | | | | | | |
|--------------------------------------|-----------|-------------|-----------------|--------------------------|-------------|---------------|--------------|-----------------|--------------------------|---------------|--------------|----------------|-----------------|--------------------------|-------------|
| | Jul | Sep 20 | Annual Budget | \$ Over / (Under) Budget | % of Budget | Jul | Sep 20 | Annual Budget | \$ Over / (Under) Budget | % of Budget | Jul | Sep 20 | Budget | \$ Over / (Under) Budget | % of Budget |
| | | | | | | | | | | | | | | | |
| Revenue | | | | | | | | | | | | | | | |
| Revenue | \$ | 296,742.00 | \$ 1,357,600.00 | \$ (1,060,858.00) | 21.9% | \$ | 781,911.00 | \$ 3,806,921.00 | \$ (3,025,010.00) | 20.5% | \$ | 1,078,653.00 | \$ 5,164,521.00 | \$ (4,085,868.00) | 20.9% |
| Total Revenue | | 296,742.00 | 1,357,600.00 | (1,060,858.00) | 21.9% | 781,911.00 | 3,806,921.00 | (3,025,010.00) | 20.5% | 1,078,653.00 | 5,164,521.00 | (4,085,868.00) | 20.9% | | |
| Expense | | | | | | | | | | | | | | | |
| General and Admin Expenses | | 29,217.67 | 114,411.00 | (85,193.33) | 25.5% | 57,604.74 | 230,713.00 | (173,108.26) | 25.0% | 86,822.41 | 345,124.00 | (258,301.59) | 25.2% | | |
| General and Admin Labor | | 51,923.25 | 247,776.00 | (195,852.75) | 21.0% | 143,522.19 | 602,068.00 | (458,545.81) | 23.8% | 195,445.44 | 849,844.00 | (654,398.56) | 23.0% | | |
| O&M Labor | | - | - | - | - | 191,708.11 | 1,010,140.00 | (818,431.89) | 19.0% | 191,708.11 | 1,010,140.00 | (818,431.89) | 19.0% | | |
| O&M Vehicle & Equip | | - | - | - | - | 6,564.03 | 75,000.00 | (68,435.97) | 8.8% | 6,564.03 | 75,000.00 | (68,435.97) | 8.8% | | |
| O&M Contract Labor | | - | - | - | - | 15,518.33 | 130,000.00 | (114,481.67) | 11.9% | 15,518.33 | 130,000.00 | (114,481.67) | 11.9% | | |
| O&M Material and Supplies | | - | - | - | - | 6,826.09 | 78,000.00 | (71,173.91) | 8.8% | 6,826.09 | 78,000.00 | (71,173.91) | 8.8% | | |
| O&M Other Expenses | | - | - | - | - | 8,006.35 | 46,000.00 | (37,993.65) | 17.4% | 8,006.35 | 46,000.00 | (37,993.65) | 17.4% | | |
| O&M Special Projects | | - | - | - | - | 174,550.66 | 1,635,000.00 | (1,460,449.34) | 10.7% | 174,550.66 | 1,635,000.00 | (1,460,449.34) | 10.7% | | |
| Fisheries Labor | | 164,796.01 | 729,413.00 | (564,616.99) | 22.6% | - | - | - | - | 164,796.01 | 729,413.00 | (564,616.99) | 22.6% | | |
| Fisheries Vehicle & Equip | | 6,894.15 | 47,500.00 | (40,605.85) | 14.5% | - | - | - | - | 6,894.15 | 47,500.00 | (40,605.85) | 14.5% | | |
| Fisheries Contract Labor | | 1,247.45 | 23,000.00 | (21,752.55) | 5.4% | - | - | - | - | 1,247.45 | 23,000.00 | (21,752.55) | 5.4% | | |
| Fisheries Material and Supplies | | 239.35 | 7,000.00 | (6,760.65) | 3.4% | - | - | - | - | 239.35 | 7,000.00 | (6,760.65) | 3.4% | | |
| Fisheries Other Expenses | | 310.27 | 3,500.00 | (3,189.73) | 8.9% | - | - | - | - | 310.27 | 3,500.00 | (3,189.73) | 8.9% | | |
| Fisheries Activities | | 21,808.76 | 175,000.00 | (153,191.24) | 12.5% | - | - | - | - | 21,808.76 | 175,000.00 | (153,191.24) | 12.5% | | |
| Fisheries Habitat Enhancement | | 31,769.37 | 10,000.00 | 21,769.37 | 317.7% | - | - | - | - | 31,769.37 | 10,000.00 | 21,769.37 | 317.7% | | |
| Other Interest Expense - EPFP | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0% | |
| Total Expense | | 308,206.28 | 1,357,600.00 | (1,049,393.72) | 22.7% | 604,300.50 | 3,806,921.00 | (3,202,620.50) | 15.9% | 912,506.78 | 5,164,521.00 | (4,252,014.22) | 17.7% | | |
| Surplus / (Deficit) - O&M | \$ | (11,464.28) | \$ - | \$ (11,464.28) | | \$ 177,610.50 | \$ - | \$ 177,610.50 | | \$ 166,146.22 | \$ - | \$ 166,146.22 | | | |
| Pass Thru Charges | | | | | | | | | | | | | | | |
| EPFP Loan - Assessments | | - | - | - | - | 115,862.55 | - | 115,862.55 | N/A | 115,862.55 | - | 115,862.55 | N/A | | |
| EPFP Loan - Interest Expense | | - | - | - | - | (4,322.18) | - | (4,322.18) | N/A | (4,322.18) | - | (4,322.18) | N/A | | |
| Sub Total Pass Thru Charges | \$ | - | \$ - | \$ - | | \$ 111,540.37 | \$ - | \$ 111,540.37 | N/A | \$ 111,540.37 | \$ - | \$ 111,540.37 | N/A | | |
| Net Surplus / (Deficit) | \$ | (11,464.28) | \$ - | \$ (11,464.28) | | \$ 289,150.87 | \$ - | \$ 289,150.87 | N/A | \$ 277,686.59 | \$ - | \$ 277,686.59 | N/A | | |

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Cachuma Operation & Maintenance Board

Financial Review – 1st Quarter
Fiscal Year 2020-21



Financial Review

Revenues Collected – 1st Quarter

| | |
|--|---------------------|
| COMB O&M Budget Assessment (Jul - Sep 2020) | \$ 1,063,700 |
| USBR Entitlement Obligation (Sep 2020 - Apr 2021) | 645,400 |
| USBR Lauro / Bradbury SOD Obligation (WY 2020-21) | 309,100 |
| 2000 BiOp and Oak Tree Mitigation Reimbursement | 195,200 |
| EPFP Loan Assessment | 115,800 |
| County of Santa Barbara - Return of Permit Fees | 10,400 |
| Interest Income | 4,900 |
| Total Revenues | \$ 1,280,800 |

Financial Review

Operations Division

| | Jul - Sep (YTD) | Annual Budget | Over / (Under) Budget (\$) | % of Budget |
|--------------------------------|--------------------|------------------|-------------------------------|-------------|
| Revenue | | | | |
| Revenue | \$ 781,911 | \$ 3,806,921 | \$ (3,025,010) | 20.5% |
| Expense | | | | |
| General and Admin Expenses | 57,605 | 230,713 | (173,108) | 25.0% |
| General and Admin Labor | 143,522 | 602,068 | (458,546) | 23.8% |
| O&M Labor | 191,708 | 1,010,140 | (818,432) | 19.0% |
| O&M Vehicle & Equip | 6,564 | 75,000 | (68,436) | 8.8% |
| O&M Contract Labor | 15,518 | 130,000 | (114,482) | 11.9% |
| O&M Material and Supplies | 6,826 | 78,000 | (71,174) | 8.8% |
| O&M Other Expenses | 8,006 | 46,000 | (37,994) | 17.4% |
| O&M Special Projects | 174,551 | 1,635,000 | (1,460,449) | 10.7% |
| Total Expense | \$ 604,301 | \$ 3,806,921 | \$ (3,202,621) | 15.9% |
| Net Surplus / (Deficit) | \$ 177,611 | \$ - | \$ 177,611 | 100.0% |

Financial Review

Operations Division

| | Actual | Budget | Budget | Budget | Annual | Annual | Over / (Under) | % of |
|--------------------------------|-------------------|-------------------|---------------------|-------------------|---------------------|---------------------|---------------------|--------------|
| | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Projected | Budget | Budget (\$) | Budget |
| Revenue | | | | | | | | |
| Revenue | \$ 781,911 | \$ 879,086 | \$ 1,347,086 | \$ 798,836 | \$ 3,806,920 | \$ 3,806,921 | \$ (1) | 100.0% |
| Expense | | | | | | | | |
| General and Admin Expense | 57,605 | 53,409 | 46,909 | 43,659 | 201,582 | 230,713 | (29,131) | 87.4% |
| General and Admin Labor | 143,522 | 150,517 | 150,517 | 150,517 | 595,073 | 602,068 | (6,995) | 98.8% |
| O&M Labor | 191,708 | 252,535 | 252,535 | 252,535 | 949,314 | 1,010,140 | (60,826) | 94.0% |
| O&M Vehicle & Equip | 6,564 | 18,750 | 18,750 | 18,750 | 62,814 | 75,000 | (12,186) | 83.8% |
| O&M Contract Labor | 15,518 | 32,500 | 32,500 | 32,500 | 113,018 | 130,000 | (16,982) | 86.9% |
| O&M Material and Supplies | 6,826 | 13,000 | - | - | 19,826 | 78,000 | (58,174) | 25.4% |
| O&M Other Expenses | 8,006 | 10,875 | 10,875 | 13,375 | 43,131 | 46,000 | (2,869) | 93.8% |
| O&M Special Projects | 174,551 | 347,500 | 835,000 | 287,500 | 1,644,551 | 1,635,000 | 9,551 | 100.6% |
| Total Expense | \$ 604,301 | \$ 879,086 | \$ 1,347,086 | \$ 798,836 | \$ 3,629,309 | \$ 3,806,921 | \$ (177,612) | 95.3% |
| Net Surplus / (Deficit) | \$ 177,611 | \$ - | \$ - | \$ - | \$ 177,611 | \$ - | \$ 177,611 | |

Financial Review

| | Fisheries Division | | | |
|---------------------------------|--------------------|---------------------|-------------------------------|---------------|
| | Jul-Sep (YTD) | Annual Budget | Over / (Under) Budget (\$) | % of Budget |
| Revenue | | | | |
| Revenue | \$ 296,742 | \$ 1,357,600 | \$ (1,060,858) | 21.9% |
| Expense | | | | |
| General and Admin Expenses | 29,218 | 114,411 | (85,193) | 25.5% |
| General and Admin Labor | 51,923 | 247,776 | (195,853) | 21.0% |
| Fisheries Labor | 164,796 | 729,413 | (564,617) | 22.6% |
| Fisheries Vehicle & Equip | 6,894 | 47,500 | (40,606) | 14.5% |
| Fisheries Contract Labor | 1,247 | 23,000 | (21,753) | 5.4% |
| Fisheries Material and Supplies | 239 | 7,000 | (6,761) | 3.4% |
| Fisheries Other Expenses | 310 | 3,500 | (3,190) | 8.9% |
| Fisheries Activities | 21,809 | 175,000 | (153,191) | 12.5% |
| Fisheries Habitat Enhancement | 31,769 | 10,000 | 21,769 | 317.7% |
| Total Expense | \$ 308,206 | \$ 1,357,600 | \$ (1,049,394) | 22.7% |
| Net Surplus / (Deficit) | \$ (11,464) | \$ - | \$ (11,464) | 100.0% |

Financial Review

Fisheries Division

| | Actual | Budget | Budget | Budget | Annual | Annual | Over/(Under) | % of |
|---------------------------------|--------------------|-------------------|-------------------|-------------------|---------------------|---------------------|---------------------|---------------|
| | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Projected | Budget | Budget (\$) | Budget |
| Revenue | | | | | | | | |
| Revenue | \$ 296,742 | \$ 349,026 | \$ 331,026 | \$ 333,026 | \$ 1,309,820 | \$ 1,357,600 | \$ (47,780) | 96.5% |
| Expense | | | | | | | | |
| General and Admin Expenses | 29,218 | 26,354 | 22,854 | 21,104 | 99,530 | 114,411 | (14,881) | 87.0% |
| General and Admin Labor | 51,923 | 61,944 | 61,944 | 61,944 | 237,755 | 247,776 | (10,021) | 96.0% |
| Fisheries Labor | 164,796 | 182,353 | 182,353 | 182,353 | 711,856 | 729,413 | (17,557) | 97.6% |
| Fisheries Vehicle & Equip | 6,894 | 11,875 | 11,875 | 11,875 | 42,519 | 47,500 | (4,981) | 89.5% |
| Fisheries Contract Labor | 1,247 | 20,750 | 750 | 750 | 23,497 | 23,000 | 497 | 102.2% |
| Fisheries Material and Supplies | 239 | 1,750 | 1,750 | 1,750 | 5,489 | 7,000 | (1,511) | 78.4% |
| Fisheries Other Expenses | 310 | 500 | 500 | 2,000 | 3,310 | 3,500 | (190) | 94.6% |
| Fisheries Activities | 21,809 | 41,000 | 46,500 | 48,750 | 158,059 | 175,000 | (16,941) | 90.3% |
| Fisheries Habitat Enhancement | 31,769 | 2,500 | 2,500 | 2,500 | 39,269 | 10,000 | 29,269 | 392.7% |
| Total Expense | \$ 308,206 | \$ 349,026 | \$ 331,026 | \$ 333,026 | \$ 1,321,285 | \$ 1,357,600 | \$ (36,315) | 97.3% |
| Net Surplus / (Deficit) | \$ (11,464) | \$ - | \$ - | \$ - | \$ (11,464) | \$ - | \$ (11,464) | |

Financial Review

Upcoming Deliverables – Administrative Division

- Complete FYE 06/30/20 CAFR Audit / Single Audit
- Complete FYE 06/30/20 GASB 74/75 OPEB Valuation
- Update COMB Injury Illness and Prevention Program
- Conduct Open Enrollment – COMB Employee Health Insurance
- Advancement of Board Policies and Internal Procedures

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|-------------------------------|
| Date: | October 26, 2020 |
| Submitted by: | Edward Lyons/ Tim Robinson |
| Approved by: | Janet Gingras |

SUBJECT: Cachuma Project Warren Act Trust Fund / Renewal Fund - Water Year 2020-21 Annual and Long-Term Plan / Santa Barbara County Betterment Fund

RECOMMENDATION:

The Board of Directors receive and file the Cachuma Project 2020-21 Report with the Annual and Long-Term Plans and approve:

- a. Recommended program expenditures of Cachuma Project Warren Act Trust Fund and Renewal Fund monies in the amount of \$266,078 for Fiscal Year 2020-21.
- b. The proposed program expenditures of the Santa Barbara County Betterment Fund monies in the amount of \$90,000 for Fiscal Year 2020-21 as agreed upon by the County and the Cachuma Member Units' representative.

SUMMARY:

Cachuma Project Warren Act Trust Fund (WATF) / Renewal Fund (RF) ("Funds Committee") Meeting

COMB Resolution No. 249, approved unanimously by the COMB Board in 1997, establishes that the processes for implementation and administration of the Cachuma Project Warren Act Trust Fund and the Master Contract Renewal Fund shall be merged and carried out under the process established by the Cachuma Project Trust Fund, with, a single Committee (the "Funds Committee") directing the preparation and implementation of Long-Term and Annual Work Plans.

The Funds Committee is authorized to prepare and implement a Long Term Plan and Annual Work Plan for expenditure of Trust Fund monies for purposes consistent with the Warren Act Memorandum of Understanding between the Central Coast Water Authority, the Bureau of Reclamation and COMB.

The Committee met in September to discuss and approve the Annual and Long Term Plan and proposed expenditures for Water Year 2020-21. The Cachuma Project Warren Act Trust Fund revenues collected for calendar year 2019 total \$62,780 based on 1,460 AF of State Water delivered to the lake during that year. In calculating the formula for the two funds, the Renewal Funds collected for fiscal year 2021 equal \$203,298 for a total of \$266,078 funds available. In accordance with the plan document, the funds will provide revenue for environmental restoration activities (\$25,000), regulatory requirements (\$191,078), and Cachuma Project betterment (\$50,000).

Santa Barbara County Water Agency Cachuma Betterment Fund meeting

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 Units' Representative, acting by unanimous vote. Consistent with past years, \$90,000 will be used for the stream gauge program. The funds were allocated for the following activities for Fiscal Year 2020-21:

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

FISCAL IMPACTS:

The FY 2020-21 COMB Operating Budget reflects the Warren Act Trust Fund / Renewal Fund and Santa Barbara County Betterment Fund revenue offsets for approved activities consistent with the Annual Plan.

LIST OF EXHIBITS:

- 1) Cachuma Project Water Year 2020-21 Report with Annual and Long-Term Plans
- 2) Santa Barbara County Cachuma Project Betterment Fund Letter

CACHUMA PROJECT WARREN ACT TRUST FUND AND CACHUMA PROJECT MASTER CONTRACT RENEWAL FUND

REPORT WITH ANNUAL AND LONG-TERM PLANS FOR WATER YEAR 2020-21

Background

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. Department of the Interior Bureau of Reclamation (Reclamation). These two funds have similar, but not identical purposes which are explained below.

Warren Act Trust Fund

The Warren Act Trust Fund is a requirement of the Cachuma Project Warren Act Contract that the Central Coast Water Authority (CCWA) negotiated with Reclamation for delivery and transport of State Water Project (SWP) water through the Cachuma Project facilities. A 1995 memorandum of understanding (MOU) executed by Reclamation, the Cachuma Project Authority (now COMB¹), and the Central Coast Water Authority (CCWA), in conjunction with the Warren Act Contract, established a charge of \$43 per acre foot (AF) for State Water Project (SWP) water delivered to the federal facility. The payment is made to CCWA by those participating agencies and passed through to COMB for administration and implementation of controlled activities as outlined in the Warren Act MOU.

Payments are required upon delivery of SWP water to the Cachuma Reservoir. CCWA makes quarterly payments to COMB based on the prior quarter's deliveries. The South Coast CCWA participants (City of Santa Barbara, Goleta Water District, Montecito Water District, and Carpinteria Valley Water District, plus La Cumbre Mutual Water Company, Morehart Land Company, and Santa Barbara Research Center), have a total entitlement of 13,750 AF per year (AFY).

Through a formalized exchange agreement, the South Coast Cachuma Project Member Agencies have an obligation to exchange their SWP water for Santa Ynez River Conservation District, ID No. 1's (ID No. 1) Cachuma Project water on an annual basis. ID No. 1's current Cachuma entitlement is 2,651 AFY. ID No. 1 currently delivers approximately 80 AFY to Cachuma Lake County Park, which reduces the amount available for exchange to approximately 2,571 AFY. This makes the maximum annual amount under normal Cachuma yield conditions to be assessed for the Cachuma Project Trust Fund approximately 11,179 AF.

SWP water was first delivered into Lake Cachuma in June 1997. From calendar year (CY) 1997 through CY 2019, a total of 105,921 AF has been delivered. Because the 1990s experienced an extended wet period, SWP water deliveries were modest. Calendar years 2000 through 2004, 2007 through 2010, and 2013 through 2018 saw an increase in SWP water deliveries due to drought conditions. SWP deliveries to the lake, in general, fluctuate according to weather conditions.

¹ CPA transferred all obligations, rights, and responsibilities to COMB in October 1996

CCWA and the Cachuma Project Authority (CPA²) created the Warren Act Trust Fund as agreed to within the 1995 Warren Act MOU. The 1995 MOU established a two person Trust Fund Committee with one representative from Reclamation and one representative from the CPA (now COMB).

Article 3.b. of the MOU provides that the Bureau agrees to contribute its technical expertise and water management experience to assist in administering the Trust Fund by serving as a member of the Trust Fund Committee. In addition, Article 3.c. of the MOU provides that CPA (now COMB) serves on the Trust Fund Committee, manages and administers the Trust Fund, and provides administrative services to the Trust Fund Committee which is further confirmed by COMB Board Resolution No. 249 adopted in 1997.

Article 4 of the MOU provides for the creation and composition of a Trust Fund Committee, which is comprised of one representative each from the Bureau of Reclamation and CPA (now COMB). Article 4.d. provides for the creation of an Advisory Committee comprised of one representative each from the Santa Barbara County Water Agency (Agency), U.S. Fish and Wildlife Service, California Department of Fish and Wildlife, and three public members designated by the Trust Fund Committee. The Advisory Committee shall be authorized to attend and participate in discussions held at meetings of the Trust Fund Committee, but shall have no vote.

The Trust Fund Committee is authorized to prepare and implement a Long-Term Plan and Annual Work Plan for expenditure of Trust Fund monies for purposes consistent with the MOU. CCWA can attend the Trust Fund Committee meetings but has no vote.

The Trust Fund Committee shall only take action by unanimous vote and meetings will be announced with reasonable notice. The Trust Fund Committee determines the use of the funds which shall only be expended consistent with the Long-Term (5-Year) Plan and applicable Annual Plan, and approved by the Committee. Expenditures of the Trust Fund revenues as stated in the MOU are limited to the following:

- a. Environmental Restoration - *The restoration of any riparian and other habitat of the Santa Ynez River and its watershed which has been adversely affected by the Cachuma Project facilities, including (without limitation) restoration of habitat of rare, threatened or endangered species, fish habitat or populations, and plant and animal habitat.*
- b. Wastewater Reclamation - *Projects, whether new or existing, which will promote reclamation of wastewater within the service areas of the Cachuma Member Units.*
- c. Water Conservation - *Projects which will promote water conservation within the service areas of the Cachuma Member Units.*
- d. Innovative Water Management Techniques - *Other sound and innovative water management techniques which will benefit the Cachuma Member Units in assuring their water customers a reliable water supply of high quality and reasonable price.*
- e. Cachuma Project Betterment - *Capital outlays (other than routine repair and maintenance) which contribute to improvement of the Cachuma Project facilities, including project betterment for the purposes of safety or public recreation in the Santa Ynez River or on Lake Cachuma or adjacent federally-owned lands.*

² Creation and Management of the Trust Fund and other obligations of CPA were assumed by the Cachuma Operation and Maintenance Board (COMB) when CPA merged into COMB in October 1996.

Renewal 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 include 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 during the water year which runs from October 1st to September 30th. The Renewal Fund itself is capped at \$257,100, which is related to the annual operational yield of 25,714 AF as outlined in the Master Contract.

Payments into the Renewal Fund are made prior to the beginning of each water year and are reduced by the prior full CY payments to the Trust Fund. For example in WY2016, the prior calendar year is 2014, because that is the nearest prior full calendar year to WY2016. Payments to the Renewal Fund are reduced *pro rata* based on the formula: 1 minus the ratio of the prior calendar year Trust Fund payment to \$300,000 (RF = [1- prior CY TF payment/\$300,000] x \$257,100). For example, if the prior CY Trust Fund payment was \$225,000, the ratio is 0.75; 1 minus 0.75 is 0.25; 0.25 times \$257,100 is \$64,275, which would be the Renewal Fund payment requirement for that water year. The combined total available funds would be the sum of those two amounts, or \$289,275. When the Trust Fund amount in the CY prior to a Cachuma Project water year is greater than \$300,000, the ratio would be greater than 1; 1 minus that amount is less than zero, so no Renewal Fund payment is required. The calculation for a zero Renewal Fund payment has occurred for WY2006, WY2016, WY2018, WY2019, and WY2020 because the amount of SWP water was significant in those years.

The Cachuma Project 1995 Renewal Master Contract states that the contracting officer (Reclamation) and the Cachuma Member Units shall jointly develop a Long-Term (5-year) Plan and an Annual Work Plan. Through COMB Board Resolution No. 249, the Cachuma Project Member Units agreed unanimously to merge the processes for implementation and administration of the Cachuma Project Warren Act Trust Fund and the Cachuma Project Master Contract Renewal Fund under a single committee (referred to as the “Funds Committee”) directing the preparation and implementation of Long-Term and Annual Work Plans. Resolution No. 249, passed unanimously by the COMB Board in 1997, also authorized the COMB Board to appoint a representative to the Funds Committee who would represent the interests of and provide recommendations from the Cachuma Member Units, as well as work with Reclamation’s committee member to develop joint Long-Term and Annual Work Plans for the use of both Funds.

The Cachuma Project Renewal Master Contract specified that five years after adoption of the first Annual Plan, the Contractor (Santa Barbara County) shall be substituted for the Contracting Officer (Reclamation) for the Renewal Fund discussions; this change in representation began in WY2003 and Santa Barbara County has been the representative since that time. The Funds Committee composition dictates that the voting members of the Funds Committee are Reclamation, COMB and Santa Barbara County. COMB manages and administers both the Trust Fund and the Renewal Fund administration and accounts as stipulated in the Cachuma Project Renewal Master Contract and COMB Board Resolution No. 249.

Article 27(a) of the Cachuma Project Renewal Master Contract (MCA 27) describes the purposes of Renewal Fund, which include the following:

- a. Mitigation activities for the selected alternative in the Master Contract Renewal EIS/EIR. No mitigation activities were identified, so this section does not apply.*
- b. Activities which may be required of the Contracting Officer by State Water Resources Control Board (SWRCB) orders affecting the Project Water Rights.*
- c. Studies described in sub-article 7 (b) which are specific to conducting and preparing studies and reports that are required to be submitted by Reclamation to the SWRCB pursuant to Board WR94-5 paragraph 3, including fisheries studies and other related studies under the continuing jurisdiction of the SWRCB.*
- d. Studies relating to modifications in the Cachuma Project operations pursuant to sub-article 9 (g), including to protect the environment and groundwater quality downstream of Bradbury Dam, conserve Project Water, and promote efficient water management.*
- e. Restoration of riparian or other habitat of the Santa Ynez River and its watershed which has been adversely affected by the Project.*
- f. Activities of Reclamation pursuant to sub-article 27 (i) that are required by law to be reimbursed by the Contractor, those shall be included in the Long-Term Plan and Annual Work Plan and reimbursed by the Renewal Fund.*

Objectives of the Funds

Integration of the objectives of the two funds suggests the following categories:

1. Environmental restoration (Biological Opinion and SWRCB Orders).
2. Implementation of regulatory requirements.
3. Water management and conservation by Cachuma Project members.
4. Cachuma Project betterment.

Annual and Five-Year Plans

The contractual documents establishing the Trust Fund and Renewal Fund require preparation of an Annual Work Plan and a Five-Year Plan. Per COMB Resolution No. 249, passed unanimously by the COMB Board in 1997, the Cachuma Operation and Maintenance Board (representing the Cachuma Member Units) shall appoint a representative to the Funds Committee and said representative shall work with the Reclamation to develop joint Long Term and Annual Work Plans for use of the funds.

Revenue Estimates

Trust Fund revenues from Member Unit State Water Project (SWP) deliveries in CY2019 were \$62,780 based on 1,460 AF delivered, and Renewal Fund revenues derived from operational yield of the Cachuma Project deliveries in WY2021 will be \$203,298 for total available revenues of \$266,078 (Table 1). These available revenues are anticipated to be fully utilized during the coming Water Year. A historical record since 1995 and projected revenues through WY2025 for both funds are shown in Table 2. Fund amounts through WY2021 are based on the actual prior calendar year SWP water deliveries; subsequent years' revenues are based on full usage of allotted SWP water deliveries (6,977 AF), thus reaching the Trust fund projected average of \$300,000 (6,977 AF)

without any projected revenues from the Renewal Fund. If at the beginning of any water year the combined balance of the Cachuma Project Trust Fund and Renewal Fund is \$600,000 or more, then contributions to the Renewal Fund are not required for such water year. It is important to remember that SWP water orders can be changed on a monthly basis, so the actual amount delivered in any year may be quite different from projected orders. CY1998 is a good example of how orders can change where 3,888 AF of SWP water was ordered but no actual deliveries were made into the lake because Lake Cachuma was spilling through July. Deliveries were not possible after that time because fish releases were being made through the Bradbury Dam Outlet Works due to release constraints under the BiOp. Typically, advance orders will be greater than actual deliveries. The SWP water orders are first subject to an exchange with ID No. 1 as described above. The SWP water delivery amounts shown in Table 1 are in consideration of the ID No. 1 exchange amount. The Cachuma Project Member Units maximum available supply from the Cachuma Project each year is currently 25,714 AFY.

Table 1: Trust Fund and Renewal Fund calculation of contributions and assessments for WY2021.

| Table 1: CACHUMA PROJECT TRUST FUND and RENEWAL FUND | | | |
|---|--|---|-------------------|
| CALCULATION OF CONTRIBUTION AND ASSESSMENTS FOR WATER YEAR 2020-2021 | | | |
| TRUST FUND (T) (Warren Act) - State Water | | | |
| GIVEN: | Q = Acre-Feet of State Water Project Deliveries to Cachuma Reservoir in CY2019 | | |
| | Q = | 1,460 Acre-Feet used in CY2019 | |
| | T = | Warren Act Trust Fund Contribution = Q x \$43 per Acre-Foot | |
| THEN: | T = | 1,460 x \$43 | |
| | T = | \$62,780 | |
| WARREN ACT TRUST FUND REVENUE FOR CALENDAR YEAR 2019 | | | |
| CCWA PARTICIPANTS | | USED | AMOUNT DUE |
| | | (af) | (\$) |
| | GOLETA WATER DISTRICT | 528 | \$22,704 |
| | CITY OF SANTA BARBARA | 296 | \$12,728 |
| | CARPINTERIA VALLEY WD | 235 | \$10,105 |
| | MONTECITO WATER DISTRICT | 352 | \$15,136 |
| | LA CUMBRE MUTUAL WATER COMPANY | 47 | \$2,021 |
| | MOREHART LAND COMPANY | 2 | \$86 |
| | SB RESEARCH CENTER (RAYTHEON) | 0 | \$0 |
| | TOTAL | 1,460 | \$62,780 |
| RENEWAL FUND (R) - Cachuma Water | | | |
| GIVEN: | W = Annual Operations Yield of 25,714 af x \$10 = | \$257,140 | |
| | Renewal Fund cap: | \$257,100 | |
| | R = Renewal Fund Contribution = [1 - (T/\$300,000)] x W | | |
| THEN: | R = [1 - (\$62,780/\$300,000)] x \$257,100 | | |
| | R = | \$203,298 | |
| RENEWAL FUND ALLOCATION FOR WATER YEAR 2020 - 2021 | | | |
| MEMBER UNIT | | COST SHARE* | AMOUNT DUE |
| | | (%) | (\$) |
| | GOLETA WATER DISTRICT | 36.25 | \$73,695 |
| | CITY OF SANTA BARBARA | 32.19 | \$65,441 |
| | CARPINTERIA VALLEY WD | 10.94 | \$22,241 |
| | MONTECITO WATER DISTRICT | 10.31 | \$20,960 |
| | SANTA YNEZ RWCD ID#1 | 10.31 | \$20,960 |
| | TOTAL | 100.00 | \$203,298 |
| | * based on Cachuma Entitlement | | |
| TOTAL FUNDS AVAILABLE FOR WATER YEAR 2020-2021: | | | \$266,078 |

Table 2: Trust Fund and Renewal Fund revenues based on SWP deliveries and constant Cachuma Project deliveries; the funds were initiated in 1997.

| Trust Fund | | | Renewal Fund | | | Total Available | | Expected Expenditures |
|--|---------------------|-----------------|--|-------------------------|------------------|-----------------|------------------|-----------------------|
| Calendar Year | SWP Deliveries (AF) | Funds | Water Year | Cachuma Deliveries (AF) | Funds | Water Year | Funds | Funds |
| 1995 | - | \$0 | 1997 | 25,714 | \$257,100 | 1997 | \$257,100 | \$257,100 |
| 1996 | - | \$0 | 1998 | 25,714 | \$257,100 | 1998 | \$257,100 | \$257,100 |
| 1997 | 1,502 | \$64,586 | 1999 | 25,714 | \$201,750 | 1999 | \$266,336 | \$266,336 |
| 1998 | 0 | \$0 | 2000 | 25,714 | \$257,100 | 2000 | \$257,100 | \$257,100 |
| 1999 | 505 | \$21,715 | 2001 | 25,714 | \$238,490 | 2001 | \$260,205 | \$260,205 |
| 2000 | 2,334 | \$100,362 | 2002 | 25,714 | \$171,090 | 2002 | \$271,452 | \$271,452 |
| 2001 | 809 | \$34,787 | 2003 | 25,714 | \$227,288 | 2003 | \$262,075 | \$262,075 |
| 2002 | 6,708 | \$288,444 | 2004 | 25,714 | \$9,903 | 2004 | \$298,347 | \$298,347 |
| 2003 | 4,568 | \$196,424 | 2005 | 25,714 | \$88,765 | 2005 | \$285,189 | \$285,189 |
| 2004 | 8,836 | \$379,948 | 2006 | 25,714 | \$0 | 2006 | \$379,948 | \$379,948 |
| 2005 | 506 | \$21,758 | 2007 | 25,714 | \$238,453 | 2007 | \$260,211 | \$260,211 |
| 2006 | 759 | \$32,637 | 2008 | 25,714 | \$229,130 | 2008 | \$261,767 | \$261,767 |
| 2007 | 6,316 | \$271,588 | 2009 | 25,714 | \$24,349 | 2009 | \$295,937 | \$295,937 |
| 2008 | 3,694 | \$158,842 | 2010 | 25,714 | \$120,972 | 2010 | \$279,814 | \$279,814 |
| 2009 | 2,537 | \$109,091 | 2011 | 25,714 | \$163,609 | 2011 | \$272,700 | \$272,700 |
| 2010 | 1,788 | \$76,884 | 2012 | 25,714 | \$191,210 | 2012 | \$268,094 | \$268,094 |
| 2011 | 1,013 | \$43,559 | 2013 | 25,714 | \$219,770 | 2013 | \$263,329 | \$263,329 |
| 2012 | 385 | \$16,555 | 2014 | 25,714 | \$242,912 | 2014 | \$259,467 | \$259,467 |
| 2013 | 2,638 | \$113,434 | 2015 | 25,714 | \$159,887 | 2015 | \$273,321 | \$273,321 |
| 2014 | 13,296 | \$571,728 | 2016 | 25,714 | \$0 | 2016 | \$571,728 | \$571,728 |
| 2015 | 5,542 | \$238,306 | 2017 | 25,714 | \$52,872 | 2017 | \$291,178 | \$291,178 |
| 2016 | 14,427 | \$620,361 | 2018 | 25,714 | \$0 | 2018 | \$620,361 | \$620,361 |
| 2017 | 12,547 | \$539,521 | 2019 | 25,714 | \$0 | 2019 | \$539,521 | \$539,521 |
| 2018 | 13,751 | \$591,293 | 2020 | 25,714 | \$0 | 2020 | \$591,293 | \$591,293 |
| 2019 | 1,460 | \$62,780 | 2021 | 25,714 | \$203,298 | 2021 | \$266,078 | \$266,078 |
| 2020 | 6,977 | \$300,000 | 2022 | 25,714 | \$0 | 2022 | \$300,000 | ? |
| 2021 | 6,977 | \$300,000 | 2023 | 25,714 | \$0 | 2023 | \$300,000 | ? |
| 2022 | 6,977 | \$300,000 | 2024 | 25,714 | \$0 | 2024 | \$300,000 | ? |
| 2023 | 6,977 | \$300,000 | 2025 | 25,714 | \$0 | 2025 | \$300,000 | ? |
| 2024 | 6,977 | \$300,000 | 2026 | 25,714 | \$0 | 2026 | \$300,000 | ? |
| 2025 | 6,977 | \$300,000 | 2027 | 25,714 | \$0 | 2027 | \$300,000 | ? |
| 105,921 | | | CY1997-2019 total SWP Delivered | | | | | |
| Notes: | | | | | | | | |
| - Calendar Years 1998 through 2019 show actual State Water deliveries to Cachuma Reservoir; following years are requested deliveries. | | | | | | | | |
| - State Water deliveries are based on calendar year. | | | | | | | | |
| - Cachuma Project deliveries are based on water year (October 1 through September 30). | | | | | | | | |
| - Trust Fund charge is \$43 per AF; | | | | | | | | |
| - Renewal fund charge is \$10 per AF (in 1995 dollars). | | | | | | | | |
| - Renewal Fund is reduced by prior full calendar year Trust Fund revenue, for example, 2002 Renewal Fund amount is reduced by 2000 Trust Fund revenue. | | | | | | | | |
| - Total Available is current year Renewal Fund plus full prior year Cachuma Project Trust Fund (for example, 2002 Trust Fund plus 2004 Renewal Fund). | | | | | | | | |
| - Total Available will be increased by any accrued interest in the fund accounts. | | | | | | | | |

Table 3 provides a summary of the activities for which the Trust Fund and Renewal Fund revenues have been used since 1997. (See Table 2 for the calculation of annual revenues from each of the two funds). Activities are similar year to year and have focused on environmental restoration projects which include the Oak Tree restoration program of work and restoration of riparian habitat of the Santa Ynez River and its watershed including restoration of habitat for endangered species, meeting regulatory requirements outlined in the Cachuma Project Biological Opinion (2000) such as monitoring, trapping, snorkel surveys, redd surveys, reporting and public outreach, and Cachuma Project Betterment projects such as conservation easements and watershed protection efforts, and Hilton Creek channel enhancements efforts.

Table 3: Use of the Trust Fund and Renewal Fund revenues from 1998 to 2021 by Fiscal Year.

| Fiscal Year | Activities: | | | Total |
|-------------|---------------------------|-------------------------|----------------------------|------------------|
| | Environmental Restoration | Regulatory Requirements | Cachuma Project Betterment | |
| 1998 | \$257,100 | \$0 | \$0 | \$257,100 |
| 1999 | \$257,100 | \$0 | \$0 | \$257,100 |
| 2000 | \$266,336 | \$0 | \$0 | \$266,336 |
| 2001 | \$62,000 | \$195,100 | \$0 | \$257,100 |
| 2002 | \$123,200 | \$99,005 | \$38,000 | \$260,205 |
| 2003 | \$48,000 | \$215,452 | \$8,000 | \$271,452 |
| 2004 | \$75,000 | \$187,075 | \$0 | \$262,075 |
| 2005 | \$105,000 | \$193,347 | \$0 | \$298,347 |
| 2006 | \$0 | \$263,189 | \$22,000 | \$285,189 |
| 2007 | \$50,000 | \$317,948 | \$12,000 | \$379,948 |
| 2008 | \$50,000 | \$198,211 | \$12,000 | \$260,211 |
| 2009 | \$50,000 | \$198,267 | \$13,500 | \$261,767 |
| 2010 | \$42,000 | \$241,437 | \$12,500 | \$295,937 |
| 2011 | \$45,000 | \$227,314 | \$7,500 | \$279,814 |
| 2012 | \$45,000 | \$222,700 | \$5,000 | \$272,700 |
| 2013 | \$171,000 | \$97,094 | \$0 | \$268,094 |
| 2014 | \$172,000 | \$91,329 | \$0 | \$263,329 |
| 2015 | \$190,000 | \$69,467 | \$0 | \$259,467 |
| 2016 | \$425,000 | \$146,728 | \$0 | \$571,728 |
| 2017 | \$200,000 | \$91,178 | \$0 | \$291,178 |
| 2018 | \$225,000 | \$365,361 | \$30,000 | \$620,361 |
| 2019 | \$225,000 | \$284,521 | \$30,000 | \$539,521 |
| 2020 | \$30,000 | \$511,293 | \$50,000 | \$591,293 |
| 2021 | \$25,000 | \$191,078 | \$50,000 | \$266,078 |

Milestones

Below are important milestones associated with or having an effect on the LSYR Fisheries Program since the issuance of the 2000 Cachuma Project BiOp. Many of these activities have been partially funded by the Trust and Renewal Funds as well as the County's Cachuma Betterment Fund.

WY2000 (October 1999 – September 2000)

December 1999 - Completion of Hilton Creek Water Supply System* and Fish Management Plan Inaugural Ceremony
 April 2000 - Lake Cachuma Spilled
 September 2000 - Steelhead Biological Opinion for Cachuma Project Operations Issued by NMFS

WY2001 (October 2000 – September 2001)

October 2000 - Final LSYR Fish Management Plan
 February 2001 - Lake Cachuma Spilled
 November 2000 - SWRCB Hearings on Cachuma Project Water Rights Permits (Phase 1)

WY2002 (October 2001 – September 2002)

January 2002 - Completion of Salsipuedes Creek/Highway 1 Fish Passage Enhancement**
 June 2002 - Administrative Draft EIR/EIS for Fish Management Plan and Biological Opinion

WY2003 (October 2002 – September 2003)

December 2002 - Cachuma Project Settlement Agreement between CCRB, ID#1, SYRWCD & City of Lompoc
 April 2003 - Installation of Variable Depth Intake for Hilton Creek Watering System*
 May 2003 - Pre-Hearing Conference for SWRCB Hearings on Cachuma Project Water Rights Permits
 June 2003 - Draft EIR/EIS for Fish Management Plan and Biological Opinion
 August 2003 - Draft SWRCB EIR on Cachuma Operations

WY2004 (October 2003 – September 2004)

Oct-Nov 2003 - SWRCB Hearings on Cachuma Project Water Rights Permits (Phase 2)
 January 2004 - Cachuma Park Boat Launch Ramp Raised to Accommodate 1.8 ft Surcharge
 January 2004 - Completion of Salsipuedes Creek/Jalama Road Fish Passage Enhancement*
 February 2004 - Completion of El Jaro Creek Streambank Stabilization Projects**
 February 2004 - MOU Regarding Surcharge of Lake Cachuma and Protection of Cachuma Park Facilities
 March 2004 - Completion of Final EIR/EIS for Fish Management Plan and Biological Opinion
 March 2004 - Reclamation ROD for Final EIS for Fish Management Plan and Biological Opinion
 April 2004 - Installation of Bradbury Dam Gate Extensions for Cachuma Reservoir Surcharge Project
 May 2004 - Revised Cachuma Project Fish Passage Supplementation Program (BiOp Term & Condition)
 June 2004 - WR 89-18 Releases Monitoring Plan (BiOp Term & Condition)
 August 2004 - Upper Basin Analysis - initiated

WY2005 (October 2004 – September 2005)

November 2004 - COMB Certification of Final EIR for Fish Management Plan and Biological Opinion
 November 2004 - Modeling Protocol for Target Flow Monitoring Approved and Implemented
 December 2004 - Crawford-Hall Filed CEQA Lawsuit against COMB for Final FMP/BiOp EIR
 December 2004 - Flow Capacity Modifications for Hilton Creek Watering System and Installation of Pump*
 January 2006 - Completion of Year 1 Oak Tree Restoration Program
 January 2005 - Lake Cachuma Spilled
 March 2005 - Amended MOU Regarding Surcharge of Lake Cachuma and Protection of Park Facilities
 April 2005 - Installation of Pumping System for Hilton Creek Watering System*

April 2005 - Surcharge Lake Cachuma by 2.5 feet (~7700 acre feet) for Steelhead Fishery Downstream
July 2005 - Summer 2005 (First) Santa Ynez River Fish Management Plan Newsletter
June 2005 - Completion of Year 1 Cachuma Oak Tree Restoration Program
September 2005 - Senior Resources Scientist Hired for Fisheries Program

WY2006 (October 2005 – September 2006)

October 2005 - Approval Letter from NMFS for Revised Cachuma Project Fish Passage Supplementation Program
November 2005 - Crawford-Hall Filed NEPA Lawsuit against United States for Final FMP/BiOp EIS
November 2005 - Fall 2005 Santa Ynez River Fish Management Plan Newsletter
December 2005 - Construction of Hilton Creek Cascade/Chute Fish Passage Enhancement (Reclamation Project) **
Oct-Dec 2005 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2006 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2006 - Completion of Year 2 Oak Tree Restoration Program – (375 oak trees planted)
February 2006 - Conducted passage supplementation during two storms
February 2006 - Distribution of Fish Projects Brochure
Feb-April 2006 - Supplemental Passage Flow Releases (from 2005 surcharge)
April 2006 - Lake Cachuma Spilled
April 2006 - Interim Agreement with County to Surcharge Lake Cachuma up to 3.0 feet
June 2006 - Preliminary Redesign of Quiota Creek Fish Passage Projects
July 2006 - Summer 2006 Santa Ynez River Fish Management Plan Newsletter
May 2006 - Preliminary Design of El Jaro San Julian Fish Passage
Sept 2006 - Preliminary Design of El Jaro Cross Creek Fish Passage

WY2007 (October 2006 – September 2007)

October 2006 - Development of GIS for Santa Ynez River Fisheries Program
January 2007 - Winter 2007 Santa Ynez River Fish Management Plan Newsletter
Oct-Dec 2006 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2007 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2007 - Completion of Year 3 Cachuma Oak Tree Restoration Program (375 oak trees planted)
February 2007 - Winter 2007 Santa Ynez River Fish Management Plan Newsletter
March-April 2007 - Crawford-Hall Petition to Add Caltrans to CEQA Lawsuit Against COMB for Final FMP/BiOp EIR and Hearing on Petition (unsuccessful – petition denied)
May 2007 - Completion of Quiota Creek Watershed Draft Report
June 2007 - WR 89-18 Releases Monitoring Plan (BiOp Term & Condition)
July 2007 - SWRCB Revised Draft EIR on Cachuma Operation
September 2007 - Preliminary Design of El Jaro Cross Creek Fish Passage
September 2007 - Completion of Various AMC Reports to meet BiOp Terms & Conditions

WY2008 (October 2007 – September 2008)

December 2007 - Submitted to NMFS the 2006 Fish Passage Supplementation Report
December 2007 - Final Design of El Jaro San Julian Fish Passage
Oct-Dec 2007 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2008 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2008 - Completion of Year 4 Cachuma Oak Tree Restoration Program (375 oak trees planted)
January 2008 - Lake Cachuma Spilled
March 2008 - Draft Ramp-Down after Spill Protocol
April 2008 - Agreement with County to Surcharge Lake Cachuma up to 3.0 feet
June 2008 - Summer 2008 LSYR Fish Management Plan Newsletter
July 2008 - Construction of El Jaro San Julian Fish Passage Project**
August 2008 - NMFS Draft Recovery Plan Outline for Southern Steelhead

August 2008 - Completion of the Santa Ynez River Genetics Analysis (NOAA Research Lab at UCSC)
September 2008 - Draft Resource Management Plan EIS for Cachuma Recreation Area

WY2009 (October 2008 – September 2009)

March 2009 - Completion of El Jaro San Julian Fish Passage Project**
October 2008 - Construction of the Quiota Creek Fish Passage Bottomless Arched-Culvert at Crossing 6**
December 2008 - Completion of Draft 1993-2004 Santa Ynez River Fisheries Synthesis Report
Oct-Dec 2008 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2009 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2009 - Completion of Year 5 Cachuma Oak Tree Restoration Program (375 oak trees planted)
February 2009 - Completion of Management Report for Santa Ynez River Genetics Analysis
March 2009 - Completion of El Jaro San Julian Fish Passage Project**
March 2009 - Completion of the Quiota Creek Fish Passage Bottomless Arched-Culvert at Crossing 6**
August 2009 - Construction of Cross Creek Ranch Fish Passage Enhancement Project on El Jaro Creek
August 2009 - Negotiations of Conservation Easements on Salspuedes and El Jaro Creeks
September 2009 - Completion of Various AMC Reports to meet BiOp Terms & Conditions

WY2010 (October 2009 – September 2010)

November 2009 - Completion of Cross Creek Ranch Fish Passage Enhancement Project on El Jaro Creek**
Oct-Dec 2009 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2010 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2010 - Completion of Year 6 Cachuma Oak Tree Restoration Program (375 oak trees planted)
February 2010 - Conducted passage supplementation during two storms
April 2010 - Completion of the Surcharge Operations Protocol
June 2010 - WR 89-18 Releases Monitoring Plan (BiOp Term & Condition)
May 2010 - Completion of the 1.5 cfs Target Flow Operations Guidelines at Alisal Bridge
June 2010 - Submitted to NMFS the 2010 Fish Passage Supplementation Report

WY2011 (October 2010 – September 2011)

Oct-Dec 2010 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2011 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2011 - Completion of Year 7 of Cachuma Oak Tree Restoration Program (379 oak trees planted)
January 2011 - Submitted to NMFS the BiOp Compliance Binder
March 2011 - Winter 2011 LSYR Fish Management Plan Newsletter
March 2011 - Lake Cachuma Spilled
May 2011 - Submittal of the 2008 Annual Monitoring Report and Trend Analysis for 2005-2008
June 2011 - Completion of the Hilton Creek Channel Enhancement Study
June 2011 - Submitted Compliance Report on Target Flows at Hwy 154 Bridge
August 2011 - Summer 2011 LSYR Fish Management Plan Newsletter
August 2011 - Construction of a Fish Passage Project at Crossing 2 on Quiota Creek**

WY2012 (October 2011 – September 2012)

Oct-Dec 2011 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2012 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2012 - Completion of Year 8 of Cachuma Oak Tree Restoration Program (377 oak trees planted)
November 2011 - Completion of a Fish Passage Project at Crossing 2 on Quiota Creek**
March 2012 - Submittal of the 2009 Annual Monitoring Report
May 2012 - Submitted Compliance Report on Target Flows at Hwy 154 Bridge
June 2012 - Submitted Guidance Document on Target Flows at Alisal Bridge
September 2012 - Construction of a Fish Passage Project at Crossing 7 on Quiota Creek**

WY2013 (October 2012 – September 2013)

Oct-Dec 2012 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2013 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2011 - Completion of Year 9 of Cachuma Oak Tree Restoration Program
November 2012 - Completion of a Fish Passage Project at Crossing 7 on Quiota Creek**
March 2013 - Preliminary Design of Quiota Creek Crossing 0 Project
March 2013 - Preliminary Design of Quiota Creek Crossing 3 Project
June 2013 - WR 89-18 Releases Monitoring Plan (BiOp Term & Condition)
Sept-Dec 2013- Construction of a Fish Passage Project at Crossing 1 on Quiota Creek**
June 2013 - Submittal of the 2011 Annual Monitoring Report (sent to NMFS 3/20/14)

WY2014 (October 2013 – September 2014)

Oct-Dec 2013 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2014 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2014 - Completion of Year 10 of Cachuma Oak Tree Restoration Program
December 2013 - Completion of a Fish Passage Project at Crossing 1 on Quiota Creek**
March 2014 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 0 Project
March 2014 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 3 Project
June 2014 - WR 89-18 Releases Monitoring Plan (BiOp Term & Condition)

WY2015 (October 2014 – September 2015)

Oct-Dec 2014 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2015 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2015 - Completion of Year 11 of Cachuma Oak Tree Restoration Program (909 oak trees planted)
March 2015 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 4 Project
June 2015 - Submittal of the 2012 Annual Monitoring Report for review
June 2015 - WR 89-18 Releases Monitoring Plan (BiOp Term & Condition)
September 2015 - Construction of a Fish Passage Project at Crossing 3 on Quiota Creek**

WY2016 (October 2015 – September 2016)

Oct-Dec 2015 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2016 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2016 - Completion of Year 12 of Cachuma Oak Tree Restoration Program (824 oak trees planted)
January 2016 - Completion of a Fish Passage Project at Crossing 3 on Quiota Creek
February 2016 - Submittal of the 2012 Annual Monitoring Report to NMFS
March 2016 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 5 Project
April 2016 - Submittal of the 2013 Annual Monitoring Report for review
June 2016 - Submittal of CalTrans Grant for Quiota Creek Crossing 8 Project
June 2016 - Submittal of the 2016 WR 89-18 Releases Monitoring Plan (BiOp Term & Condition)
September 2016 - Construction of a Fish Passage Project at Crossing 0A on Quiota Creek**
September 2016 - Construction of a Fish Passage Project at Crossing 4 on Quiota Creek**

WY2017 (October 2016 – September 2017)

Oct-Dec 2016 - Maintenance of the Cachuma Oak Tree Restoration Program
Jan-Sept 2017 - Maintenance of the Cachuma Oak Tree Restoration Program
January 2017 - Completion of Year 13 of Cachuma Oak Tree Restoration Program (301 oak trees planted)
October 2016 – Submittal of the 2016 WR 89-18 Releases Monitoring Report (BiOp Term & Condition)
December 2016 - Completion of a Fish Passage Project at Crossing 0A on Quiota Creek
December 2016 - Completion of a Fish Passage Project at Crossing 4 on Quiota Creek
May 2017 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 9 Project
June 2017 - Submittal of the 2017 WR 89-18 Releases Monitoring Plan (BiOp Term & Condition)
September 2017 - Submittal of the 2014 Annual Monitoring Report for review

WY2018 (October 2017 – September 2018)

Oct-Dec 2017 - Maintenance of the Cachuma Oak Tree Restoration Program
 Jan-Sept 2018 - Maintenance of the Cachuma Oak Tree Restoration Program
 January 2018 - Completion of Year 14 of Cachuma Oak Tree Restoration Program
 February 2018 – Hilton Creek gravel augmentation, completion of first of two years
 March 2017 - Submittal of CDFW/FRGP Grant for Quiota Creek Crossing 8 Project
 April 2018 - Submittal the WY2014 Annual Monitoring Summary and Report
 May 2018 - Submittal of the WY2015 Annual Monitoring Summary and Report for review
 June 2018 - Submittal of the WY2016 Annual Monitoring Summary and Report for review
 June 2018 - Submittal of the 2018 WR 89-18 Releases Monitoring Plan (BiOp Term & Condition)
 August 2018 – Submittal of the 2017 WR 89-18 Releases Monitoring Report (BiOp Term & Condition)
 August 2018 - Construction of a Fish Passage Project at Crossing 5 on Quiota Creek**
 September 2018 - Construction of a Fish Passage Project at Crossing 9 on Quiota Creek**

WY2019 (October 2018 – September 2019)

Oct-Dec 2018 - Maintenance of the Cachuma Oak Tree Restoration Program
 Jan-Sept 2019 - Maintenance of the Cachuma Oak Tree Restoration Program
 January 2019 - Completion of Year 15 of Cachuma Oak Tree Restoration Program (300 oak trees planted)
 October 2018 – Submittal the WY2018 Annual Monitoring Summary and Report to USBR and NMFS
 November 2018 – Hilton Creek gravel augmentation, completion of the second of two years
 December 2018 – Awarded a CDFW/FRGP Grant for the Quiota Creek Crossing 8 Project
 December 2018 – Completion of the Fish Passage Project at Crossing 5 on Quiota Creek**
 December 2018 – Completion of the Fish Passage Project at Crossing 9 on Quiota Creek**
 February 2019 - Submittal of the 2018 WR 89-18 Releases Monitoring Report (BiOp Term & Condition)
 March 2019 - Conducted passage supplementation during three storms
 April 2019 - Submittal of the WY2016 Annual Monitoring Summary and Report to USBR and NMFS
 May 2019 - Submittal of the WY2017 Annual Monitoring Summary and Report for review
 June 2019 - Submittal of the WY2017 Annual Monitoring Summary and Report to USBR and NMFS
 September 2019- Submittal of the WY2018 Annual Monitoring Summary and Report for review
 September 2019- Submittal of the WY2018 Annual Monitoring Summary and Report to USBR and NMFS

WY2020 (October 2019 – September 2020)

Oct-Dec 2019 - Maintenance of the Cachuma Oak Tree Restoration Program
 Jan-Sept 2020 - Maintenance of the Cachuma Oak Tree Restoration Program
 January 2020 - Completion of Year 16 of Cachuma Oak Tree Restoration Program (311 oak trees planted)
 December 2019 - Submittal the WY2019 Annual Monitoring Summary and Report for review
 December 2019 - Completion of the Fish Passage Project at Crossing 8 on Quiota Creek**
 January 2020 - Submittal of the WY2019 Annual Monitoring Summary and Report to USBR and NMFS
 February 2020 - Submittal of NFWF Grant for the South Side Erosion Control Project at QC Crossing 8
 March 2020 - Award of NFWF Grant for the South Side Erosion Control Project at QC Crossing 8
 April 2020 - Conducted passage supplementation during one storm with a supplemental pulse flow release
 April 2020 - Submittal of the WY2019 Fish Passage Supplementation Report to USBR and NMFS
 August 2020 - Submittal of the 2020 WR 89-18 Releases Monitoring Plan (BiOp Term & Condition)
 September 2020 - Completion of the South Side Erosion Control Project at QC Crossing 8
 September 2020- Submittal of the WY2020 Fish Passage Supplementation Report to USBR and NMFS

* Funded from Federal Safety of Dams Program for Bradbury Dam Seismic Retrofit.

** Full or partial grants were/are in place for these projects.

FIVE YEAR PLAN WY2021 TO WY2025

The Funds Committee, with suggestions from the Advisory Committee, develops a long-term or Five-Year Plan for use of the revenues from both the Trust Fund and Renewal Fund. The Five-Year Plan is a dynamic document that is updated annually to reflect revised projected work as projects and monitoring efforts are added that directly benefit the Cachuma Project, the LSYR Fisheries Program, and other obligations of the Cachuma Member Units on behalf of Reclamation. These projected activities are called for in the Cachuma Project Biological Opinion (BiOp) and further described in the LSYR Fish Management Plan (FMP). Projected annual revenues are calculated based on an inverse relationship between the two funds stemming from fees charged for State water deliveries into Lake Cachuma, and have historically ranged from a minimum of \$257,100 to a maximum of \$620,361. The Five-Year Plan is a long-term, forward thinking, planning tool which coordinates the use of Trust and Renewal fund revenues according to their intended uses as outlined in this plan.

Table 4 summarizes activities and expenditures based on actual revenues available for WY2021 and projected revenues and expenses for WY2021-25. Expenditures for environmental restoration efforts include implementation of the Oak Tree Restoration Program, restoration of riparian and other habitat of the Santa Ynez River and its watershed, including (without limitation), restoration of rare, threatened or endangered species, fish habitat or populations, and plant and animal habitat.

Expenditures related to fulfill regulatory requirements as set forth in the Biological Opinion and SWRCB Orders include implementation of ongoing studies along the Santa Ynez River, monitoring and recording changing conditions, genetic analysis, long-term monitoring program, snorkel and redd surveys, trapping activities, and reporting compliance.

A large concern evolving from the recent wildfires in and around the lake is protection of the Cachuma Project watershed (erosion control and lake water quality and sedimentation) across the entire Santa Ynez River watershed which is of particular concern for the *O. mykiss* fishery below Lake Cachuma and water supply in general. These expenditures would be for Cachuma Project betterment.

Year 1 activities are developed in more detail in the WY2021 Annual Plan (Table 4) below because these expenditures are specifically included in the COMB budget for Fiscal Year 2020-21 (July 1, 2020 through June 30, 2021). In Years 1 and 2 (WY2021 and WY2022), the Oak Tree Restoration program will continue maintenance of the trees planted during the previous 14 years, and may plant additional oak trees in the late fall of each year. The Biological Opinion and SWRCB Orders compliance activities will continue with the longstanding monitoring, analysis, reporting and outreach efforts. Cachuma Project betterment (watershed protection in the case of WY2021) across the Santa Ynez River basin will also be addressed. During the remaining years (WY2023-WY2025), a similar level of effort for the estimated use of the funds is outlined in the table.

Table 4: The Five-Year Plan (WY 2021-2025)*.

| | | |
|---|-----------|------------------|
| Year 1: WY2021 (October 2020 - September 2021) | | |
| Funds Available: | | \$266,078 |
| Expenditures: | | |
| Environmental Restoration | | \$25,000 |
| Oak Tree Restoration Program | \$25,000 | |
| Regulatory Requirements | | \$191,078 |
| Monitoring, Analyses and Reporting | \$176,078 | |
| Genetic Analyses | \$15,000 | |
| Cachuma Project Betterment | | \$50,000 |
| | | \$266,078 |
| Year 2: WY2022 (October 2021 - September 2022) | | |
| Estimated Funds Available: | | \$300,000 |
| Possible Expenditures: | | |
| Environmental Restoration | | \$25,000 |
| Oak Tree Restoration Program | \$25,000 | |
| Regulatory Requirements | | \$225,000 |
| Monitoring, Analyses and Reporting | \$210,000 | |
| Genetic Analyses | \$15,000 | |
| Cachuma Project Betterment | | \$50,000 |
| | | \$300,000 |
| Year 3: WY2023 (October 2022 - September 2023) | | |
| Estimated Funds Available: | | \$300,000 |
| Possible Expenditures: | | |
| Environmental Restoration | | \$25,000 |
| Oak Tree Restoration Program | \$25,000 | |
| Regulatory Requirements | | \$225,000 |
| Monitoring, Analyses and Reporting | \$210,000 | |
| Genetic Analyses | \$15,000 | |
| Cachuma Project Betterment | | \$50,000 |
| | | \$300,000 |
| Year 4: WY2024 (October 2023 - September 2024) | | |
| Estimated Funds Available: | | \$300,000 |
| Possible Expenditures: | | |
| Environmental Restoration | | \$25,000 |
| Oak Tree Restoration Program | \$25,000 | |
| Regulatory Requirements | | \$225,000 |
| Monitoring, Analyses and Reporting | \$210,000 | |
| Genetic Analyses | \$15,000 | |
| Cachuma Project Betterment | | \$50,000 |
| | | \$300,000 |
| Year 5: WY2025 (October 2024 - September 2025) | | |
| Estimated Funds Available: | | \$300,000 |
| Possible Expenditures: | | |
| Environmental Restoration | | \$25,000 |
| Oak Tree Restoration Program | \$25,000 | |
| Regulatory Requirements | | \$225,000 |
| Monitoring, Analyses and Reporting | \$210,000 | |
| Genetic Analyses | \$15,000 | |
| Cachuma Project Betterment | | \$50,000 |
| | | \$300,000 |
| * Estimated available carryover funds from the previous water year - \$0. | | |

**ANNUAL PLAN
WY2021**

Table 5 lists the activities in the WY2021 Annual Plan that will be funded through the Trust Fund and Renewal Fund revenues. The 2000 Cachuma Project Biological Opinion (BiOp) and associated LSYR Fish Management Plan (FMP) and the SWRCB Orders provide guidance on likely activities or projects for the use of the Trust Fund and Renewal Fund revenues. Even though some of the habitat restoration projects will be grant funded, the sum of these activities is still greater than the funding available from the Trust Fund and Renewal Fund. Tasks listed take into consideration restricted usage of the two Funds as stated in the Cachuma Project Warren Act Contract and Cachuma Project Renewal Master Contract, plus activities funded by the Santa Barbara County Water Agency Cachuma Betterment Fund. All Biological Opinion compliance work includes required monitoring, analyses and reporting.

Table 5: The Annual Plan for WY2021.

| | | |
|------------------------------------|-----------|------------------|
| 2021 Revenues: | | |
| Trust Fund (CY2019) | \$62,780 | |
| Renewal Fund (WY2021) | \$203,298 | |
| Total Funds Available: | | \$266,078 |
| 2021 Expenditures: | | |
| Environmental Restoration | | \$25,000 |
| Oak Tree Restoration Program | \$25,000 | |
| Regulatory Requirements | | \$191,078 |
| Monitoring, Analyses and Reporting | \$176,078 | |
| Genetic Analyses | \$15,000 | |
| Cachuma Project Betterment | | \$50,000 |
| Total Expenditures: | | \$266,078 |

The Biological Opinion and SWRCB Orders compliance implementation program of work encompasses a wide range of field and analytical activities to comply with the 15 Reasonable and Prudent Measures outlined in the 2000 Cachuma Project BiOp and the monitoring plan described in the 2000 Biological Assessment and FMP. These efforts include monitoring steelhead migration throughout the LSYR basin, dry-season snorkel surveys, redd surveys, habitat mapping, water quality monitoring, GIS database development, beaver dam monitoring, stream discharge measurements, integrated multivariate database development, report writing, and public outreach.

The Oak Tree Restoration Program is a multi-year planting and maintenance effort to replace oak tree losses around Cachuma Reservoir due to saturation and inundation of trees near the shore resulting from the fish conservation surcharge pool. The program will continue until the mitigation ratio of 2:1 (planted to lost) has been accomplished after 20 years in 2025. The allocation for the Oak Tree Restoration Program is about half of the actual cost.

Wild fires are a continuous concern throughout the Santa Ynez River watershed and along the South Coast. Funds for Cachuma Project betterment (per Section 5e of the Warren Act MOU) have been dedicated to watershed protection activities (erosion control and Lake Cachuma water quality and

sedimentation). Tasks include but are not limited to prevention of erosion, facility protection from stormflow debris, water quality monitoring, and measures for improvement of general lake water quality. This effort will be of benefit to the *O. mykiss* fishery within the management area as well as water supply.

BETTERMENT FUND

For reference only, the Santa Barbara Water Agency shall provide \$100,000 per year into the Cachuma Betterment Fund that must be used for Cachuma Project related activities as specified in the 1996 Cachuma Project Member Unit Contracts between the County of Santa Barbara Water Agency and the Cachuma Project Member Units. The Cachuma Project Member Units and the Water Agency must mutually agree on the use of these funds. Representatives of the Betterment Fund convene an annual meeting not in association with the Trust and Renewal Funds annual meeting. Usage of the Betterment Funds since WY2012 and proposed usage in WY2021 are presented in Table 6. COMB has an annual contract with the U. S. Geological Survey (USGS) to perform the required stream gauging and water quality monitoring.

Table 6: Betterment Fund usage since Santa Barbara County Fiscal Year (FY) 2012 (7/1/11-6/30/12) and proposed usage in FY 2021 (7/1/20-6/30/21).

| | |
|--|-------------------------|
| FY2012 (July 2011 - June 2012) | |
| <i>Expenditures:</i> | |
| COMB USGS Santa Ynez River Gauging Program | \$75,000 |
| BiOp and FMP Implementation Activities | \$15,000 |
| Santa Barbara County USGS Santa Ynez River Gauging Program | \$10,000 |
| | <i>\$100,000</i> |
| FY2013 (July 2012 - June 2013) | |
| <i>Expenditures:</i> | |
| COMB USGS Santa Ynez River Gauging Program | \$75,000 |
| BiOp and FMP Implementation Activities | \$15,000 |
| Santa Barbara County USGS Santa Ynez River Gauging Program | \$10,000 |
| | <i>\$100,000</i> |
| FY2014 (July 2013 - June 2014) | |
| <i>Expenditures:</i> | |
| COMB USGS Santa Ynez River Gauging Program | \$75,000 |
| BiOp and FMP Implementation Activities | \$15,000 |
| Santa Barbara County USGS Santa Ynez River Gauging Program | \$10,000 |
| | <i>\$100,000</i> |
| FY2015 (July 2014 - June 2015) | |
| <i>Expenditures:</i> | |
| COMB USGS Santa Ynez River Gauging Program | \$75,000 |
| BiOp and FMP Implementation Activities | \$15,000 |
| Santa Barbara County USGS Santa Ynez River Gauging Program | \$10,000 |
| | <i>\$100,000</i> |

| | |
|--|------------------|
| FY2016 (July 2015 - June 2016) | |
| <i>Expenditures:</i> | |
| COMB USGS Santa Ynez River Gauging Program | \$75,000 |
| BiOp and FMP Implementation Activities | \$15,000 |
| Santa Barbara County USGS Santa Ynez River Gauging Program | \$10,000 |
| | <u>\$100,000</u> |
| FY2017 (July 2016 - June 2017) | |
| <i>Expenditures:</i> | |
| COMB USGS Santa Ynez River Gauging Program | \$75,000 |
| BiOp and FMP Implementation Activities | \$15,000 |
| Santa Barbara County USGS Santa Ynez River Gauging Program | \$10,000 |
| | <u>\$100,000</u> |
| FY2018 (July 2017 - June 2018) | |
| <i>Expenditures:</i> | |
| COMB USGS Santa Ynez River Gauging Program | \$90,000 |
| Santa Barbara County USGS Santa Ynez River Gauging Program | \$10,000 |
| | <u>\$100,000</u> |
| FY2019 (July 2018 - June 2019) | |
| <i>Expenditures:</i> | |
| COMB USGS Santa Ynez River Gauging Program | \$90,000 |
| Santa Barbara County USGS Santa Ynez River Gauging Program | \$10,000 |
| | <u>\$100,000</u> |
| FY2020 (July 2019 - June 2020) | |
| <i>Expenditures:</i> | |
| COMB USGS Santa Ynez River Gauging Program | \$90,000 |
| Santa Barbara County USGS Santa Ynez River Gauging Program | \$10,000 |
| | <u>\$100,000</u> |
| FY2021 (July 2020 - June 2021) | |
| <i>Possible Expenditures:</i> | |
| COMB USGS Santa Ynez River Gauging Program | \$90,000 |
| Santa Barbara County USGS Santa Ynez River Gauging Program | \$10,000 |
| | <u>\$100,000</u> |



Santa Barbara County Public Works Department

Flood Control • Water Agency • Project Clean Water

130 E. Victoria Street, Suite 200, Santa Barbara, CA 93101

PH (805) 568-3440 FAX (805) 568-3434

<http://cosb.countyofsb.org/pwd/water>

SCOTT D. MCGOLPIN

Director

THOMAS D. FAYRAM

Deputy Director

October 15, 2020

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

RE: Expenditure of County Water Agency's Cachuma Project Betterment Fund \$100,000
Annual Contribution for Fiscal Year 2020-2021

Dear Ms. Gingras,

At the public meeting held on September 24th regarding the County Water Agency's \$100,000 Cachuma Betterment Fund, the Cachuma Operation and Maintenance Board (COMB), acting on behalf of the Cachuma Member Units, and the County Water Agency agreed that the funds should be allocated toward the following activities for Fiscal Year 2020-21:

| | |
|--|-----------|
| COMB USGS Santa Ynez River Gauging Program | \$90,000 |
| Santa Barbara County USGS Santa Ynez River Gauging Program | \$10,000 |
| Total | \$100,000 |

COMB will recommend approval of the program expenditures at the Board of Directors meeting on October 26th. The Water Agency's FY 2020-21 budget adopted by the Board of Supervisors on June 9th, 2020 included the Betterment Funds.

Regards,

A handwritten signature in blue ink, appearing to read "Matt Young".

Matt Young
Water Agency Manager

cc: Edward Lyons, Cachuma Operation and Maintenance Board
Tim Robinson, Cachuma Operation and Maintenance Board

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|------------------|
| Date: | October 26, 2020 |
| Submitted by: | Joel Degner |
| Approved by: | Janet Gingras |

SUBJECT: Resolution No. 719 – Proposed Revised Strategy for Rehabilitation of South Coast Conduit (SCC) Lower Reach Lateral Rehabilitation Project

RECOMMENDATION:

The Board of Directors review staff information and the proposed revised strategy for the rehabilitation of South Coast Conduit Lower Reach infrastructure improvements and adopt Resolution No. 719 approving:

- a. The initial phase (La Mirada engineering designs) of a revised approach in implementing the Lower Reach Lateral Rehabilitation / Isolation Valve projects.
- b. Contract execution with of Flowers and Associates, Inc. to complete engineering designs for the proposed La Mirada isolation valve in the lower reach section of the South Coast Conduit for an amount not to exceed \$49,400.
- c. The authorization of the Board Vice-President to sign a letter agreement with Carpinteria Valley Water District (CVWD) specifying CVWD will pay the engineering design costs for the La Mirada isolation valve.

SUMMARY:

This memorandum outlines a revised approach to the IIP Lower Reach Lateral Rehabilitation Project by proposing a collaborative work effort between Carpinteria Valley Water District (CVWD) and COMB to repair and rehabilitate aging infrastructure in the lower reach section of the South Coast Conduit and the CVWD distribution system.

COMB staff has made significant progress on the rehabilitation of the South Coast Conduit (SCC) system and appurtenances starting in the late 1990's and early 2000's. The upper reach of the SCC system, which includes the area from the South Portal to Lauro Reservoir, was extensively rehabilitated during that time. COMB staff worked with the Bureau of Reclamation and consultant engineers to repair and replace important infrastructure components to achieve a reliable conveyance system in the upper reach.

Appurtenance structures in the lower reach of the system are over seventy years old and have reached their maximum life span. COMB developed the Five-Year Infrastructure Improvement Plan (IIP) to address deficiencies within the system including over thirty aging lateral structures in the lower reach. Staff was approached by Carpinteria Valley Water District (CVWD) to discuss a proposed plan to rehabilitate the system utilizing financial assistance from the District.

BACKGROUND:

In the Carpinteria reach of the SCC there are over thirty laterals along five miles of Conduit with three isolation valves making it nearly impossible to shut down a section of the conduit without significant water service outages for CVWD customers. As such, the ability for COMB to repair and rehabilitate the existing laterals and AVAR/BO structures in this section of the system is extremely difficult due to the limitations on shutting down the system for the period of time needed to perform the necessary repair work.

CVWD has proposed to financially participate in rehabilitating SCC laterals in collaboration with COMB installing two (2) isolation valves on the SCC. This approach would allow improved isolation and enable longer shutdowns to repair and maintain the system in the future or during an emergency. CVWD intends to use Certificates of Participation Bond (COPs) to finance its participation in the Lateral Rehabilitation project.

Lower Reach Lateral Structures

The SCC lateral facilities are part of the SCC from the connection at the conduit to just past the second downstream guard valve. (Figure 1) The existing lateral appurtenances pose an operational risk due to age, corrosion, and valve operating conditions. The dependability of these valves is necessary to isolate CVWD distribution systems from the conduit during maintenance and repair on the SCC facilities. Most of the lateral connections need replacement valves installed to effectively isolate the laterals ahead of any planned SCC shutdown for repairs to the blow-off and air-vac structures (Schedule F). COMB hired Flowers and Associates to investigate current lateral arrangements and to produce rehabilitation designs. COMB, CVWD and Flowers & Associates jointly visited the lateral structures in 2019 and 2020 to develop designs for rehabilitation.

Each lateral structure generally contains three vaults with confined space entry requirements (Figure 1): an upstream valve vault, a meter vault, and a downstream valve vault. The original meters were replaced with compound meters in 1957 to better measure low flows. The original method of measuring water deliveries at the laterals has been replaced with measurement at the CVWD boundary meter making these lateral meters obsolete. The proposed lateral rehabilitation design would remove the three structures and the obsolete compound meter and replace them with new piping, buried valves, and valve boxes. During the process, existing subgrade air vents (in approximately half the laterals) would be raised above grade. For COMB, this would eliminate over 90 confined space structures, 16 subgrade air vents, and associated future structure maintenance. For CVWD, this could increase flow to the laterals by removing the obsolete compound meters and improve the operational flexibility during conduit shutdowns.

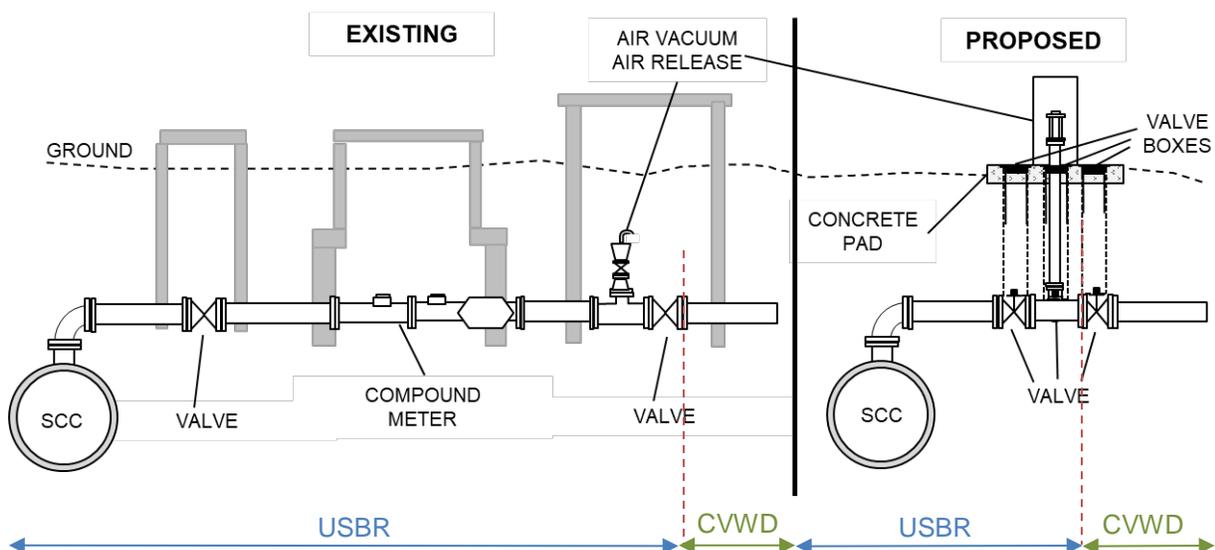


Figure 1. Existing Lateral Turnout Structure/Proposed Lateral Turnout Structure

Remaining AVAR/BO Structures

The rehabilitation upgrades to the SCC Air Vacuum Air Release Valve (AVAR) and Blow-Off facilities are essential for continued reliable delivery of water through the South Coast Conduit (SCC). HDR Engineering, Inc. was selected to assist COMB with design of the AVAR/Blow-off Rehabilitation project in 2016. HDR Engineering, Inc. provided the engineering design for the repairs and the plans and specifications for bid solicitation. HDR proposed that the work be divided into six schedules, A through F (Figure 2). Schedule A, B, C, D, and E were successfully completed by Cushman Contracting Corporation with the rehabilitation of 42 structures from 2018-2020. Schedule F in the CVWD Service Area involves the rehabilitation of 12 structures (five air vents and seven blowoffs on the SCC). Using the existing isolation valves, the SCC in Carpinteria can be divided into 4 separate zones for shutdowns. During a shutdown of a zone, CVWD would need to supply water using temporary facilities to each lateral within the zone to maintain customer service.

After considerable engineering effort, CVWD has estimated that it would cost over \$1 million dollars to provide water supplies to their laterals to facilitate SCC shutdowns to repair the AVAR/BOs, mainly through temporary bypass piping and water tending trucks with the shutdown proposed in the current four zones.

The District has suggested a more viable, permanent solution which would contemplate the installation of robust connection improvements and the installation of two new isolation valves in the SCC. If this approach is acceptable, there would be long-term benefits in implementing an alternative approach to improving the lower reach system rather than spending significant capital on temporary bypass piping.

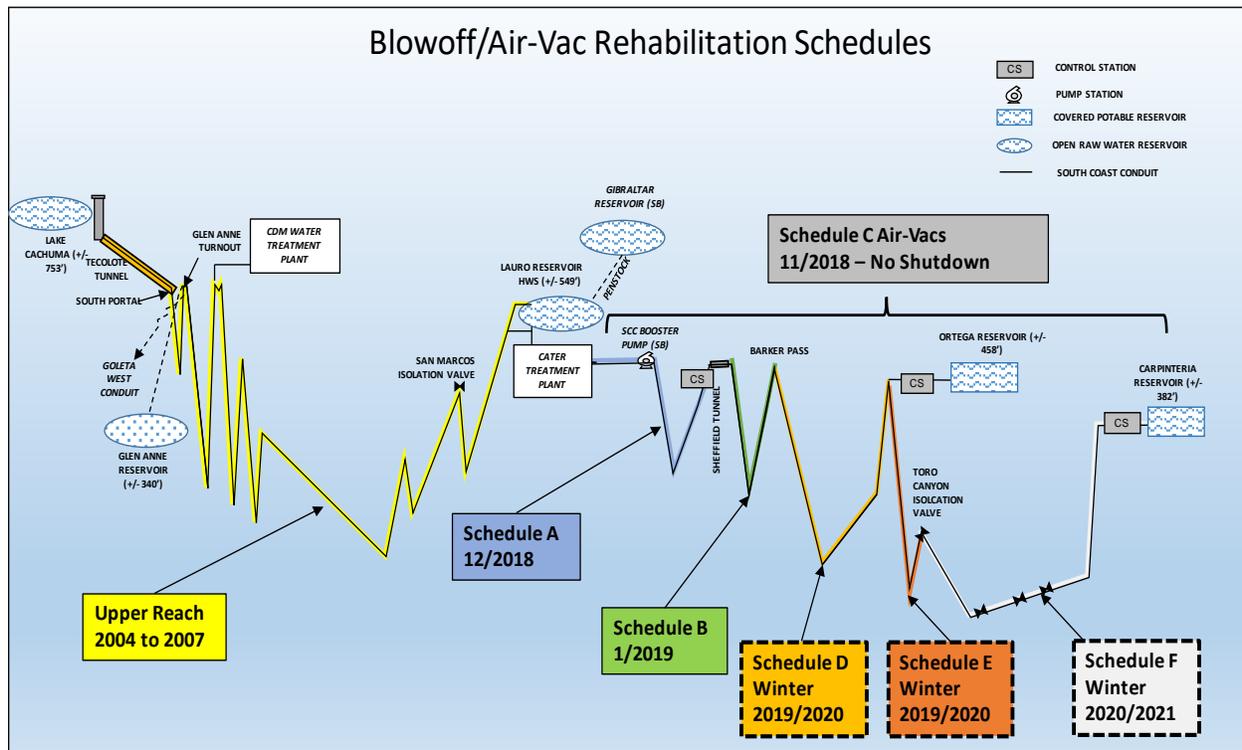


Figure 2. Blowoff/Air-Vac Rehab Schedule

The isolation valves on the SCC are not part of AVAR/BO project. As such, CVWD has proposed to fund the isolation valves by (1) offsetting COMB's planned project on lateral rehabilitation through the use of bond funding and (2) providing up to \$200,000 per year from CVWD capital budget for the isolation valve installations. CVWD Bond funding cannot be used to directly pay for work on a federal facility, i.e. SCC isolation valves and therefore must be used on Lateral Rehabilitation work.

In collaboration, COMB would shift approved budgeted funding from the lateral project to the installation of two in-line isolation valves, resulting in a long-term benefit and operational flexibility for both COMB and the District. A phased-in approach to project construction is recommended and will require incremental Board

approvals. This approach would effectively result in CVWD funding the SCC isolation valves by way of offsetting costs to the lateral rehabilitation project. The intent of CVWD is to keep COMB whole with the implementation of an alternative work plan.

Isolation Valve Location

Over the last forty years, four 24 inch butterfly valves have been added to the SCC between Ortega Reservoir and Carpinteria Reservoir. Table 1 provides a summary of the isolation valve installation and their approximate historical construction costs.

Table 1. Historical Summary of Existing Isolation Valve Costs

| Existing Isolation Valves | Year | Construction Cost |
|---|------|-------------------|
| Toro Canyon Isolation Valve* | 1980 | \$35,000 |
| Carpinteria High School Isolation Valve | 2005 | \$416,141 |
| Stegall Isolation Valve | 2006 | \$315,391 |
| Girls Inc. Isolation Valve** | 2008 | \$637,364 |

*Pipeline was dewatered – all other isolation valves were completed using hot-taps and line stops
 **Delayed by weather in the 2005 El Nino year and included extensive traffic control

COMB staff reviewed the historical locations and cost of the previously installed isolation valves. CVWD and COMB worked together to propose the ideal locations for the isolation valves which would provide the most operational flexibility to facilitate SCC shutdowns. Two potential sites were selected. One isolation valve is proposed to be located on the north shoulder of Highway 192 east of La Mirada Drive (“La Mirada” isolation valve) and one would be located west of Lillingston Canyon Road near Carpinteria Creek (“Lillingston” isolation valve). The locations were also selected to limit impacts to Highway 192 and the amount of traffic control that would be required in order to reduce costs.

The “La Mirada” isolation valve is proposed to be installed first. Three of the remaining five air-vacs on the SCC that require rehabilitation are located subgrade within Highway 192. In early October, COMB staff performed structure maintenance on the three air-vacs in Highway 192 (643+92, 676+67, and 874+00). All three air vacs are corroded to the point where their operation is questionable. Only one of the valves beneath the air-vac was functional at 874+00. The two other valves are inoperable and do not allow the air-vac to be replaced. COMB plans to replace the air-vac at 874+00 without a shutdown of the SCC this winter. However, a shutdown is required to replace 643+92 and 676+67. The current shutdown zone including these air vents would result in outages of Laterals 1 to 11 for CVWD. The La Mirada isolation valve would allow this zone to be split into two segments. The first segment which consists of Lateral 1 to 6 has three air vents and two blowoff structures that require rehabilitation. As part of the collaborative agreement, CVWD would start with the rehabilitation of Lateral 1 to 6 in Fiscal Year 2020-21 to prepare for the SCC shutdown the following winter in 2021-22.



Corroded air-vac at Station 676+67

Reclamation recently extended the O&M contract by three years to September 30, 2023 as Reclamation is currently undergoing consultation on the biological opinion for the Cachuma Project. As part of the contract extension, COMB agreed to not conduct planned activities that could impact Southern California Steelhead critical habitat in the next three years. In the Carpinteria area, Arroyo Paredon Creek and Carpinteria Creek are designated critical habitat for the Southern California Steelhead.

The proposed La Mirada isolation valve location is outside of these areas and has an additional advantage that will allow a smaller section of the SCC to be isolated and dewatered so that the discharge water would not impact Southern California Steelhead habitat and allow the highest severity AVAR structures to be rehabilitated first.

Isolation Valve/Lateral Conceptual Costs

The IIP for Fiscal Year 2020-2025 estimated \$400,000 for lateral rehabilitation over the three year period. The 16 subgrade air vents on the lateral structures were included as part of the SCC AVAR Replacement/Relocation project for an estimate cost of \$160,000. The total costs planned for the lateral rehabilitation including the air vents is \$560,000.

Based on historical isolation valve projects – the isolation valve at La Mirada could cost up to \$450,000 and Lillingston may cost approximately \$500,000 for a total cost of \$950,000. In addition to the \$560,000 of lateral rehabilitation work, CVWD has proposed to pay the differential for the isolation valve installations (which is approximately \$400,000) instead of spending a similar amount on temporary bypass piping. Table 2 provides the comparison of the conceptual costs for the COMB/CVWD Cooperative Agreement.

Table 2. Conceptual Costs for the COMB/CVWD Cooperative Agreement

| Specific IIP Projects | Approved FY 2021 Budget | Proposed FY 2021 Expenditures | Projected FY 2022 Budget | Proposed FY 2022 Expenditures | Projected FY 2023 Budget | Proposed FY 2023 Expenditures | 3 Year Budget Matrix | 3 Year Proposed Expenditures |
|------------------------|-------------------------|-------------------------------|--------------------------|-------------------------------|--------------------------|-------------------------------|----------------------|------------------------------|
| SCC AVAR Rehab | \$ 240,000 | \$ 105,000 | \$ 130,000 | \$ 130,000 | \$ - | \$ - | \$ 370,000 | \$ 235,000 |
| SCC BO Rehab | \$ 200,000 | \$ 100,000 | \$ 160,000 | \$ 210,000 | \$ - | \$ 100,000 | \$ 360,000 | \$ 410,000 |
| SCC Laterals Rehab | \$ 150,000 | \$ 75,000 | \$ 150,000 | \$ - | \$ 100,000 | \$ - | \$ 400,000 | \$ 75,000 |
| SCC Line Valve - MWD | \$ 190,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 190,000 | \$ - |
| SCC Line Valves - CVWD | \$ - | \$ 500,000 | \$ - | \$ 100,000 | \$ - | \$ - | \$ - | \$ 600,000 |
| Totals | \$ 780,000 | \$ 780,000 | \$ 440,000 | \$ 440,000 | \$ 100,000 | \$ 100,000 | \$1,320,000 | \$ 1,320,000 |

Isolation Valve Engineering

COMB sent a request for proposal for the isolation valve engineering support to three engineering firms that have previous experience with the South Coast Conduit system and isolation valve installation (Flowers & Associates, HDR Engineering, and Phoenix Engineering). COMB received proposals from all three firms on October 9th. A four-person (MU) technical review team independently scored the proposals based on responsiveness, specialized experience/technical competence, staff availability, and technical approach. The proposals were scored on a scale of 1 to 5. The results of the evaluations are listed in Table 1.

Table 3. Isolation Valve Engineering Proposal Scores

| Parameter | Flowers & Associates | HDR Engineering, Inc. | Phoenix Engineering |
|----------------|----------------------|-----------------------|---------------------|
| Weighted Score | 4.7 | 4.5 | 4.1 |
| Proposed Cost | \$82,900 | \$87,298 | \$131,147 |

Flowers & Associates was the lowest cost and highest weighted score. Flowers & Associates proposed a revised approach to isolation valve installation similar to the isolation valve that was recently installed by Casitas Municipal Water District in 2019. Following receipt of the proposals, COMB discussed the installation of a 42" isolation valve on Casitas 39"-diameter bar-wrapped pipeline with Casitas Municipal Water District. Total costs for Casitas Municipal Water District were approximately \$250,000 for the isolation valve installation which included line-stops and a bypass. There is possibility the overall construction cost of the isolation valve could be reduced with the revised approach proposed by Flowers & Associates.

Table 4. Flowers and Associates Proposed Isolation Valve Engineering Costs

| Task | La Mirada | Lillingston |
|--|-----------------|-----------------|
| Task 1: Prepare Plans & Specs | \$16,900 | \$6,800 |
| Task 2: Design Submittals | \$14,600 | \$9,000 |
| Task 3: Design Review Meetings, Admin | \$ 2,700 | \$2,500 |
| Task 4: Bid Phase Services | \$ 5,400 | \$5,400 |
| Task 5: Construction Phase Services | \$ 7,300 | \$7,300 |
| Budget allocation for Caltrans R/W & USBR Easement | \$ 2,500 | \$2,500 |
| Total Estimated Fee: | \$49,400 | \$33,500 |

FISCAL IMPACTS:

The total proposed cost to complete the engineering designs for the LaMirada isolation valve is \$49,400. The design costs would be paid by CVWD per an executed letter agreement.

LEGAL CONCURRENCE:

Legal counsel has reviewed the terms of the letter agreement to be executed by COMB.

ENVIRONMENTAL COMPLIANCE:

The engineering design work does not require additional environmental documentation. However, if the isolation valve is installed in Highway 192 right-of-way it would require additional coordination with Caltrans. The engineering design costs contains funding to coordinating with Catrans to determine if COMB's existing encroachment permit can be utilized for the project or if a new encroachment permit will be required. Both the lateral rehabilitation project and the proposed isolation valves would be also alterations to the existing system and would require approval from the U.S. Bureau of Reclamation prior to construction. Staff has presented similar projects in the past with approvals received from Reclamation.

COMMIITTEE STATUS:

The Operations Committee reviewed staff information and the proposed revised strategy for the rehabilitation of South Coast Conduit Lower Reach infrastructure improvements and forwards to the Board with a recommendation to adopt Resolution No. 719 and approve:

- a. The initial phase (La Mirada engineering designs) of a revised approach in implementing the Lower Reach Lateral Rehabilitation / Isolation Valve projects.
- b. Contract execution with Flowers and Associates, Inc. to complete engineering designs for the proposed La Mirada isolation valve in the lower reach section of the South Coast Conduit for an amount not to exceed \$49,400.
- c. Authorization of the Board Vice-President to sign a letter agreement with Carpinteria Valley Water District (CVWD) specifying CVWD will pay the engineering design costs for the La Mirada isolation valve.

LIST OF EXHIBITS:

- 1. Resolution No. 719
- 2. CVWD Memorandum
- 3. Letter Agreement

RESOLUTION NO. 719

**RESOLUTION OF THE GOVERNING BOARD OF THE
CACHUMA OPERATION & MAINTENANCE BOARD
APPROVING AN INITIAL PHASE OF A REVISED STRATEGY FOR THE LOWER
REACH LATERAL REHABILITATION PROJECT; AUTHORIZING CONTRACT
EXECUTION WITH FLOWERS AND ASSOCIATES, INC. FOR ENGINEERING
DESIGNS ON THE LA MIRADA ISOLATION VALVE; and AUTHORIZING THE
BOARD VICE-PRESIDENT TO EXECUTE A LETTER AGREEMENT WITH
CARPINTERIA VALLEY WATER DISTRICT**

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 (“Reclamation”), including the intake tower and attached appurtenances enabling continued gravity flow to the Tecolote Tunnel through to the South Coast Conduit (“SCC”). The SCC is a critical piece of infrastructure that provides for the conveyance of Cachuma Project water and State Project water to over 200,000 residents on the South Coast of Santa Barbara County (“South Coast”); and

WHEREAS, Carpinteria Valley Water District (“CVWD”) utilizes the SCC in the lower reach through the use of structures known as “laterals,” as part of its distribution system; and

WHEREAS, more than thirty lateral structures located in the lower reach of the system are over seventy (70) years old, have reached their maximum life span and are thereby, in critical need of rehabilitation; and

WHEREAS, CVWD has proposed a plan to financially participate in rehabilitating the aging laterals, initially through an executed Letter Agreement (“Agreement”) with COMB that would commit CVWD to pay for engineering designs on the La Mirada isolation valve; and

WHEREAS, COMB solicited engineering support through a competitive Request for Proposal (“RFP”) to provide designs for two (2) isolation valves; and

WHEREAS, based on a scored evaluation of proposals using COMB and Member Agency technical staff, Flowers and Associates, Inc. was deemed the lowest responsive, responsible proposer for the design of the new isolation valves; and

WHEREAS, on October 21, 2020, the Operations Committee reviewed the staff recommendation and has forwarded the proposed revised strategy, confined to an initial phase of engineering design costs for the La Mirada Isolation Valve, to the Board with a recommendation to approve and authorize the General Manager to execute a contract with Flowers and Associates, Inc. in an amount not to exceed \$49,400 (La Mirada Isolation Valve) (“Project”); and

WHEREAS, CVWD has committed to paying for the cost of the engineering designs for the La Mirada Isolation Valve as a demonstration toward their financial participation in the larger revised strategy of work; and

WHEREAS, subsequent to legal counsel review, the Operations Committee forwards a recommendation to the Board to authorize the COMB Board Vice-President to sign a Letter Agreement with CVWD specifying CVWD will pay the engineering design costs for the La Mirada isolation valve; and

WHEREAS, it is beneficial for COMB to implement the Project as outlined in the related staff report to improve the lower reach of the SCC system and ensure the continued reliable conveyance of Cachuma Project water to Member Agencies.

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 the initial phase (La Mirada engineering designs) of a revised approach in implementing the Lower Reach Lateral Rehabilitation / Isolation Valve projects.
3. The Governing Board authorizes the General Manager to execute a contract with Flowers and Associates, Inc. for the design of a lower reach isolation valve in an amount not to exceed \$49,400.
4. The Governing Board further authorizes the Board Vice-President to execute a letter agreement with Carpinteria Valley Water District specifying that CVWD will pay the engineering design costs for the La Mirada isolation valve.
5. This Resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 26th day of October 2020, by the following roll call vote:

Ayes:

Nays:

Abstain:

APPROVED:

President of the Governing Board

ATTEST:

Secretary of the Governing Board

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Carpinteria Valley Water District

1301 Santa Ynez Avenue • Carpinteria, CA 93013
Phone (805) 684-2816

BOARD OF DIRECTORS

Matthew Roberts
President
Shirley L. Johnson
Vice President
Korey L. Capozza
Polly Holcombe
Case Van Wingerden

GENERAL MANAGER

Robert McDonald, P.E. MPA

MEMO

To: Janet Gingras, General Manager COMB

From: Bob McDonald, General Manager

Date: September 15, 2020

Subject: **In line Valves in the South Coast Conduit Carpinteria Reach**

The purpose of this memo is to outline CVWDs current thinking on the AVAR/BO repair project along the South Coast Conduit (SCC) within the Carpinteria reach. The work to repair or replace corroded air and vacuum release and blow off valves has been identified in COMBs Infrastructure Improvement Plan. COMB staff has been planning and executing work to accomplish this monumental task. Much of the work to address this issue has been completed north of the Carpinteria reach. As such, a planning effort has been ongoing over the last 18 months to complete the work in the Carpinteria reach.

The challenge in the Carpinteria reach is that there are thirty laterals along the reach, some with no looping. This makes it difficult to shut down the SCC for more than 8 hours at a time. CVWDs initial approach to solve this problem was to evaluate a solution of temporary high lines, tanks and water trucks in order to supply customers with water over an extended period while the SCC is drained, repaired and refilled for each isolatable section of the SCC within the reach. There are three existing inline valves on the SCC in the Carpinteria reach.

After considerable engineering effort, the result was a \$1 million plus project consisting of several temporary tanks with water tending trucks and a thousand plus feet of temporary highline that would have limited long-term benefit to the District or COMB. After thoughtful consideration, the District staff concluded that rather than a million dollars of temporary facilities, a more permanent solution with two new inline valves on the SCC and some District distribution system improvements would result in a better project. This is because this project

would have a much lower impact to District customers and result in a long-term benefit including operational flexibility for both the District and COMB with a comparable cost.

Since the work of inline valves on the SCC was not part of COMBs proposed work for the AVAR/ BO Project, CVWD believes it is appropriate that the District fund the cost of these valves. Moreover, CVWD had planned to spend a million in temporary infrastructure in order to allow the SCC to be out of service during the AVAR/BO work. Much of this expenditure could be avoided if the inline valves were installed in the SCC prior to the AVAR/BO work.

To this end, CVWD began to investigate how to fund the inline valves and needed distribution system changes to achieve this more flexible system. The projected \$1.2 million cost estimate for this work is more than CVWDs annual capital projects budget so a different method to fund the work was more desirable. In 2020 the District planned to refund existing high interest bond debt by issuing new debt at a much lower interest rate. During the issuance of the new 2020 refunding bond, additional bonds (COPS) in the amount of \$1.5 million were sold to fund District facility improvements related to the distribution system. Unfortunately, Bond Counsel for the transaction informed the District that since the SCC is a federal owned facility, proceeds could not be used to improve that facility directly. See Fig 1 from the 2020 COP Official Statement regarding the use and timing of the proceeds.

FIG 1

Page 4 of the 2020 COP Official Statement:

The District expects to apply a portion of the proceeds of the Certificates to finance improvements to District Facilities including but not limited to: water distribution pipeline and valve replacement, pumping and well facility improvements and office building facility improvements. The District currently expects to obtain all environmental and other approvals in connection with the 2020 project necessary to construct the 2020 project in a timely manner. The District currently expects to expend substantially all proceeds of the certificates allocable to the 2020 Project by April 10, 2023.

While this fact limits the use of bond proceeds for work on SCC inline valves directly, there are approaches available to CVWD to provide funding to achieve the desired project and fund the proposed inline valves. The first is to use COP proceeds to offset existing CVWD capital projects on the books, thereby releasing dedicated capital for use on the inline valves. These funds are generated through revenues and have no restrictions. Preliminary analysis shows that CVWDs capital budget can provide about \$200K per year totaling up to \$600K through April 2023. The preliminary Inline valves cost is estimated to be \$950K according to COMB staff. The \$600k of unrestricted funds could be applied to the inline valves leaving approximately \$350K to be funded in some other way. In its AVAR/BO project budget, COMB identified that the turnout isolation valve (guard valve) would need to be rehabilitated on each lateral to ensure that the laterals could be isolated from the SCC so that the repair work on the AVAR & BOs could be done. This work would include removing old lateral meters, air vents and one guard valve. This section of the lateral would be replaced with a stick of pipe and a new guard valve that would be owned by the District but shared with COMB to isolate the laterals. The

estimated value of this work is \$400K. If CVWD did this work, it could be funded by the COP proceeds. This would be an offset to COMBs project budget and allow that avoided cost to be allocated to the inline valves. With these two funding approaches the estimated \$950K would be covered by CVWD funding.

Thank you for your consideration of this approach. In CVWDs opinion the modified approach is superior as it will result in a better system after the improvements for both the District and COMB, it has no net cost increase for COMB and it avoids wasting money on temporary tanks and highlines.

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DRAFT

October 26, 2020

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

**Re: Letter Understanding – For the Engineering Design of an Isolation Valve
Located in the Carpinteria Reach of the South Coast Conduit**

This letter understanding (Agreement) is entered into this 28th Day of October 2020 by and between the Carpinteria Valley Water District (District), a California County Water District, and Cachuma Operation and Maintenance Board (COMB), a Joint Powers Authority (hereinafter the Parties).

COMB and the District are developing a proposed alternative approach (Alternative Project) to complete the 5-Year Infrastructure Improvement Projects (IIP), including one involving a portion of the Air Vacuum/Air Release – Blow-off Valve (AV/BO) Rehabilitation and Lower Reach Lateral Rehabilitation Projects in the Carpinteria Reach of the South Coast Conduit (SCC).

This proposed Alternative Project will include the installation of two (2) isolation valves on the SCC, in addition to the originally planned work. Specifically, pursuant to the proposed Alternative Project, CVWD would proceed with the rehabilitation of the exiting lower reach lateral structures, while COMB would install two isolation valves in the system.

COMB and the District desire to keep to the proposed schedule for the Alternative Project within the overall IIP, with a completion target date of Spring 2023.

Engineering designs for the first isolation valve, known as the La Mirada isolation valve, would be the initial order of work needed to move forward with the Alternative Project. A proposal for this work was received from consulting engineers Flowers and Associates, Inc. through an RFP process, and has been evaluated and recommended by staff as the prevailing proposal. For fiscal year 2021, the District has agreed to pay up to \$49,400 for the preparation of the engineering designs for the La Mirada isolation valve (hereinafter referred to as the Work).

A comprehensive “Cooperative Alternative Project Agreement” is under development by legal counsel for the Parties, anticipating that it will be approved by both Parties in the near term. The Cooperative Alternative Project Agreement would outline terms, conditions, schedules and expectations for the larger, more comprehensive Alternative Project.

This simple Agreement, when approved by both parties, will allow COMB to move forward with the Work, namely, preparing the engineering design for the LA Mirada isolation valve, which is the first isolation valve in the Alternative Project, with financial assurances from the District and no financial risk to COMB.

Based on the foregoing, the Parties agree to the following:

COMB is the appropriate agency to contract The Work and the District is the appropriate agency to fund The Work.

COMB Duties;

- COMB shall contract with Flowers and Associates, Inc. to complete the Work under its authority to conduct such work on the SCC;
- COMB shall cooperate with the District when carrying out the contract for The Work;
- COMB shall reasonably notify the District if assumptions of The Work change after work begins; and
- COMB shall reasonably and timely notify the District when an invoice for The Work is received and the amount of said invoice is due.

District Duties;

- The District shall be responsible to pay for the The Work;
- The District shall promptly pay invoices for The Work upon request from COMB;
- The District may request that any surplus unexpended funds held by COMB on behalf of the District be used to pay for all or part of outstanding invoices for The Work; and
- The District shall coordinate and cooperate with the engineering consultant and COMB staff in the implementation of the Work.

This Agreement contains the entire agreement and understanding concerning The Work, and this Agreement supersedes and replaces all prior negotiations and proposed agreements, written or oral, except as they are included in this Agreement.

This Agreement may not be modified, except by a writing signed by the Parties.

Any arbitration or litigation arising out of this Agreement shall be conducted only in the Santa Barbara County, State of California.

All notices, demands, and communications between the Parties shall be duly addressed as indicated below and given by Email, personal delivery, registered or certified mail (postage prepaid and return receipt requested), Federal Express or other reliable private express delivery, or by facsimile transmission. Such notices, demands, or communications shall be deemed received (i) upon deliver if personally served or set by facsimile, or (ii) after three business days if given or sent by any other approved manner specified above. Any Party to this Agreement may change its below-specified name, address, facsimile number, or person to whom attention should be directed by giving notice as specified in this Section. A copy of any notice, demand, or communication sent to the parties pursuant to this Agreement shall be sent to the parties legal counsel. Notices, demands, and communications shall be duly addressed and sent as follows:

DRAFT

To the District: _____

Attn: Robert McDonald, General Manager

Bob@CVWD.net

1301 Santa Ynez Ave

Carpinteria CA, 93013

805- 684-2816 XT 123

TO COMB:

Attn: Janet Gingras, General Manager

jgingras@cachuma-board.org

3301 Laurel Canyon Road,

Santa Barbara CA 93105

805 687- 4011 x 201

This Agreement and all rights and obligations arising out of it shall be construed in accordance with the laws of the State of California.

This Agreement may be signed in one or more counterparts; which, taken together, shall constitute one original document.

The individuals signing this Agreement represent and warrant that they have the authority to enter into this Agreement on behalf of the Party they represent, and that the consent, approval, or signature of or by any other person or third party is not required to legally bind their Party to the terms and conditions of this Agreement.

This Agreement shall be effective as of the date noted on page one (1) of this Agreement.

Date: _____, 2020

President

Carpinteria Valley Water District

Acknowledged and Agreed

Date: _____, 2020

Kristen Sneddon, Vice-President
Cachuma Operation & Maintenance Board

DRAFT

cc: Carpinteria Valley Water District Board President
Cachuma Operation and Maintenance Board President
Robert McDonald, General Manager, CVWD
Janet Gingras, General Manager, COMB

DRAFT

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|------------------|
| Date: | October 26, 2020 |
| Submitted by: | Joel Degner |
| Approved by: | Janet Gingras |

SUBJECT: Resolution No. 720 - South Coast Conduit (SCC) Rehabilitation Projects and Emergency Repair Work - Construction Contract

RECOMMENDATION:

The Board of Directors review the proposed construction work for repair and rehabilitation of various South Coast Conduit infrastructure improvement projects, as described, including miscellaneous / emergency repair work, if needed and authorized; and approve and authorize the General Manager to execute a sole-source construction contract with Cushman Contracting Corporation (CCC) in an amount not-to-exceed \$249,560.

SUMMARY:

Staff developed and received approval from the Board of Directors on a Five-Year Infrastructure Improvement Plan for purposes of planning and forecasting essential capital improvements within the South Coast Conduit system. Staff has completed a portion of the stated necessary improvements during the past three years. Certain portions of the Schedule (F) Air Vacuum Air Release (AVAR) / Blow-Off (BO) valves replacement work remains to be completed. In addition, there exists other rehabilitation projects to be implemented such as replacement of the Carpinteria Reservoir stem extensions for valve operation, the Ortega 24" gate valve replacement, the County Yard turnout rehabilitation, and raising of air vents along the SCC to achieve compliance with Reclamation's facilities review recommendations.

In order to achieve continued progress on rehabilitation of the system, staff is suggesting combining what otherwise would be small, incremental projects into a set of projects. This set of projects requires a contractor familiar with the intricacies, nuances and operation of the system. Staff recommends Cushman Contracting Corporation to complete this construction work. Attached to this memorandum is a sole-source justification for Cushman Contracting Corporation.

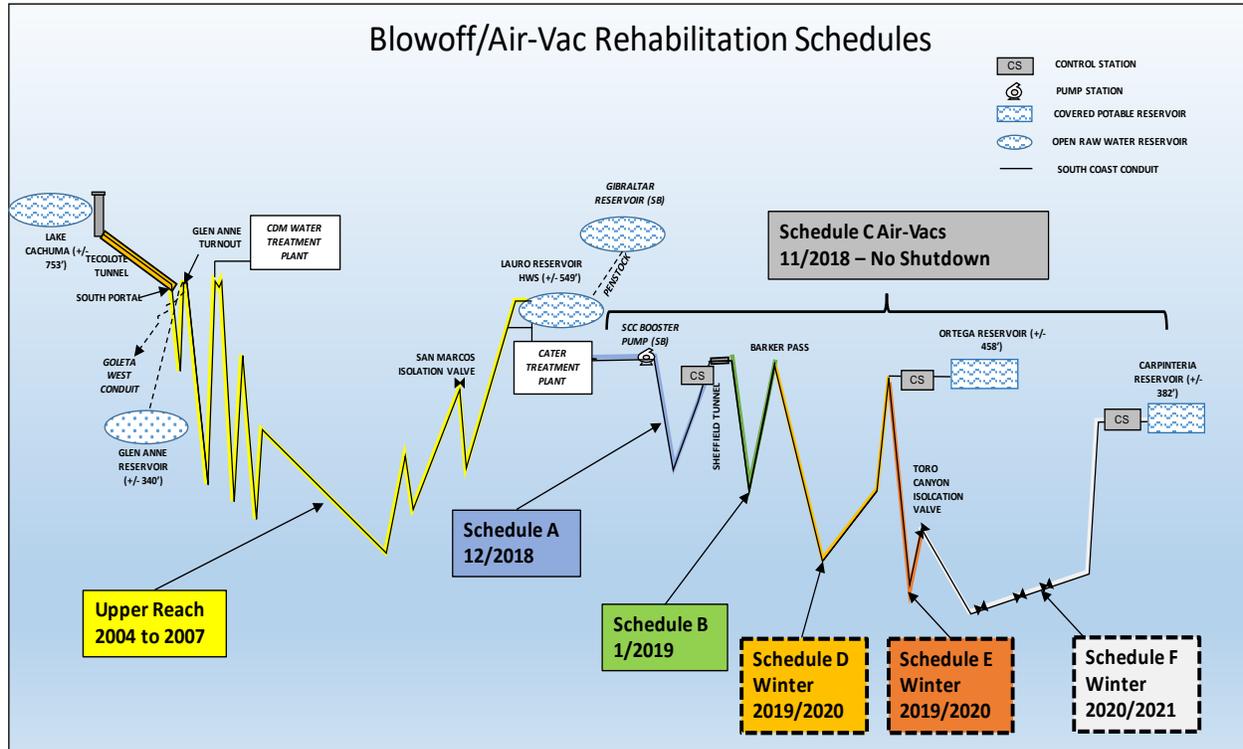
BACKGROUND:

Air Vacuum Air Release Valves / Blow-off Facilities

The rehabilitation upgrades to the Air Vacuum Air Release Valve (AVAR) and Blow-Off facilities are essential for continued reliable delivery of water through the SCC. HDR Engineering, Inc was selected to assist COMB with design of the AVAR/Blow-off Rehabilitation project based on a competitive proposal in 2016. HDR Engineering, Inc. provided the engineering design for the repairs and the plans and specifications for bid solicitation. HDR divided the work into six schedules (A through F). Schedules A, B, C, D, and E were successfully completed by Cushman Contracting Corporation with the rehabilitation of 42 structures from 2018-2020. Cushman Contracting Corporation was selected through a competitive bid process for Schedule A, B, and C. Based on their successful performance, they continued to complete D and E. Schedule F in the CVWD service area remains to be completed and involves the rehabilitation of 12 structures (five air vents and seven blowoffs on the SCC). Preparatory work on the laterals and additional in-line isolation valves are needed to allow shutdowns to fully rehabilitate eight of the structures. Progress can be made on four structures this year (two blowoffs and two air-vacs). These four structures can be

partially rehabilitated without a shutdown. The remaining eight structures in Carpinteria will require coordinated shutdowns in subsequent years. COMB staff planned to raise one air-vac in Schedule D above grade following replacement of the valve and lid. However, COVID-19 restrictions have limited COMB staff maintenance activities. As part of this contract, the outside piping would be installed to raise one air vent in Schedule D above grade.

Figure 1. Air-Vac/Blow-off Rehabilitation Schedules

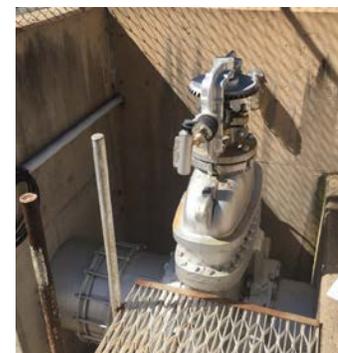


Replacement of Carpinteria Reservoir Stem Extensions

The stem extensions which operate the valves in the Carpinteria Reservoir are corroded and in need of replacement. The three submerged valves in the reservoir allow Carpinteria Reservoir to be isolated into two different bays. Normally, Carpinteria Reservoir is drained into Carpinteria Creek during the cleaning process. However, the Bureau of Reclamation is currently in reconsultation with National Marine Fisheries Service on the Cachuma Project. Draining of the reservoir into Carpinteria Creek needs to be postponed until consultation is completed. If the reservoir could be drained, the work could be conducted in a dry environment. However, since the reservoir cannot be drained, the stem extension replacement will require divers to complete the repair. The diving would be completed based on AWWA guidelines for diving in potable reservoirs.

Replacement of Ortega Gate Valve #1

Ortega Control Station Valve #1 is a 24-inch gate valve originally installed in the 1950s. Most of the valves in the Ortega Control Station were replaced in 2005 as part of the Ortega Reservoir Retrofit. Valve #1, however, was not replaced. During a shutdown in January 2020 – a large amount of leak-by (~90 gallons per minute) was observed past the valves at Ortega Control Station. The leak-by appeared to be originating from Valve #1. Valves at the control station were re-exercised but an improved isolation was not achieved.



The Board authorized the purchase of a new valve in May 2020 and the valve was delivered to COMB in July 2020. The valve needs to be installed during the winter period when demands are low. Staff proposes CCC to complete

the construction installation. To properly isolate the control station, Montecito Water District is scheduled to perform facility upgrades which are planned in January-February 2021.

County Yard Turnout Rehabilitation

Montecito Water District's (MWD) County Yard turnout is currently inactive due to an inoperable meter. The laterals consist of two valves, a meter, and an air vent. All components of the lateral need to be replaced. MWD has been supplying its customers through other turnout sources over the past several years. During the future shutdowns in the Carpinteria area, Carpinteria Valley Water District will likely need to receive water through interties to MWD. The additional delivery capacity from the County Yard Turnout would help MWD with redundancy and better allow a shutdown of the SCC in the Carpinteria area. The project would involve replacing the valve and meter and installing a new air vent, raising it above grade.

Miscellaneous / Emergency Repairs

COMB staff recommends including an additional line item in the contract for Emergency/Miscellaneous Repairs for \$75,000 based on (authorized) time and materials. Due to the current COVID-19 restrictions, COMB staff has been limiting in-house construction projects where staff must work in close proximity. In addition, COMB staff prepared an Emergency Response Plan as part of the America's Water Infrastructure Act in September 2020. A component of the emergency response plan is to prepare for system disruptions from pipeline breaks or other disasters. COMB prepared designs for emergency repairs for the South Coast Conduit in 2011 and maintains an inventory of parts (30", 36", 48" CM&CL welded steel pipe and various components) for repairs. However, COMB does not have a contractor under contract to perform repairs in an emergency. Included in the proposed contract with Cushman Contracting Corporation is a line item to perform emergency repair work on a time & materials basis based on COMB's 2011 Emergency Repair Designs in the event they were to occur.

FISCAL IMPACTS:

The total proposed cost to construct the set of projects is \$249,485. The time and materials (not-to-exceed) portion of the contract for miscellaneous/emergency contract work is \$75,000. The current fiscal year budget contains funding for the proposed costs.

| Item | Description | Cushman Bid | Engineer Estimate Prior to Bid |
|--------------------------------|---|------------------|--------------------------------|
| 1 | Mobilization | \$10,410 | \$13,500 |
| 2 | Air-Vac/ Blowoff Upgrades - 352+07, 874+00, 900+15, 902+96) | \$73,725 | \$80,700 |
| 3 | Blowoff Upgrade (804+24) | \$26,875 | \$22,700 |
| 4 | Carpinteria Reservoir Valve #11, #12, #13 Extension Replacement | \$20,240 | \$16,000 |
| 5 | Ortega Valve #1 Replacement | \$11,300 | \$18,200 |
| 6 | County Yard Rehabilitation (555+80) | \$32,935 | \$27,700 |
| Total Quote | | \$174,560 | \$179,300 |
| 7 | Emergency/Miscellaneous Repairs (T&M) | \$75,000 | |
| Total Proposed Contract | | \$249,560 | |

ENVIRONMENTAL COMPLIANCE:

The construction work does not require additional environmental documentation as it involves replacement or rehabilitation of existing structures. One structure (874+00) is located within Highway 192 and will require additional coordination with Caltrans.

COMMITTEE STATUS:

The Operations Committee reviewed the proposed construction work for repair and rehabilitation of various South Coast Conduit infrastructure improvement projects, as described, including miscellaneous / emergency repair work, if needed and authorized; and forwards to the Board with a recommendation to approve and authorize the General Manager to execute a sole-source construction contract with Cushman Contracting Corporation (CCC) in an amount not-to-exceed \$249,560.

LIST OF EXHIBITS:

1. Resolution No. 720
2. NCB Justification – Cushman Contracting Corporation

RESOLUTION NO. 720

**RESOLUTION OF THE GOVERNING BOARD OF THE
CACHUMA OPERATION & MAINTENANCE BOARD APPROVING
CONTRACT EXECUTION WITH CUSHMAN CONTRACTING CORPORATION FOR
CONSTRUCTION OF SOUTH COAST CONDUIT
REHABILITATION PROJECTS**

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”); (collectively the “Joint Powers Agreement”); and

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

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

WHEREAS, COMB desires to implement a set of related and critically important infrastructure improvements along the South Coast Conduit (“SCC”), including the completion of the Air Vacuum Air Release (AVAR) / Blow-Off (BO) rehabilitation work, replacement of the Carpinteria Reservoir stem extensions for valve operation, the Ortega Control Station gate valve replacement project, and the County Yard turnout rehabilitation; and

WHEREAS, due to COVID staffing restrictions and as part of the recently-certified COMB Emergency Response Plan, it is important for COMB to engage a reputable contractor for as-needed and authorized emergency repair work in the event of a disaster; and

WHEREAS, it is in the best interest of COMB to complete these challenging projects using a professional contractor, who is extremely familiar with the nuances of the SCC system, and who can respond promptly in the event of an emergency; and

WHEREAS, the proposal received from Cushman Contracting Corporation has been reviewed by the Operations Committee on October 21, 2020, and was forwarded to the Board with a recommendation to approve and authorize the General Manager to execute a sole-source contract with Cushman Contracting Corporation in an amount not-to-exceed \$249,560 for the above described work, including \$75,000 for pre-authorized (time and material) miscellaneous/emergency repair work.

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

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.
2. The Governing Board authorizes a Professional Services Agreement - Construction Contract to be executed with Cushman Contracting Corporation for the above described work, including as-needed and authorized emergency repair work in an amount not to exceed \$249,560.
4. This Resolution shall take effect immediately.

PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 26th day of October 2020, by the following roll call vote:

Ayes:

Nayes:

Absent/Abstain:

APPROVED:

President of the Governing Board

ATTEST:

Secretary of the Governing Board

CACHUMA OPERATON & MAINTENANCE BOARD

Non-Competitive Bid (NCB) Justification

Date: October 26, 2020
To: COMB Board of Directors
From: Engineering / Operations Division
Project: AVAR/BO Repair and Rehabilitation of South Coast Conduit (SCC) Assets

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

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

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

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

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

Based on Cushman Contracting Corporation work on Schedule A, B, and C, the COMB Board approved Cushman Contracting to rehabilitate 8 structures in Schedule D and 3 structures in Schedule E in FY 2019-20. Cushman Contracting successfully performed Schedule D repairs in January 2020 and Schedule E repairs in March 2020. Higher than

expected leakby from Ortega Control Station occurred during Schedule D repairs and Cushman Contracting successfully worked through the night in adverse conditions to complete the repairs in Schedule D. Overall, the contract work was completed on-time and on-budget.

Based on their performance on Schedule A, B, C, D, and E, COMB staff recommends utilizing Cushman Contracting to rehabilitate 4 structures (2 air-vacs and 2 blowoffs) in Schedule F in Fiscal Year 2021 and additional needed SCC rehabilitation work in the close proximity. Utilizing the same contractor for a portion of the Schedule F work that successfully performed the Schedule A, B, C, D, and E work reduces both the cost and risk for the continued rehabilitation of the blow-offs and air vents. Similar contract documents and submittal materials and methods will be utilized for Schedule F as was done in the previous schedules.

There are a total of 12 structures that require rehabilitation in Schedule F. Additional system improvements will be needed to rehabilitate the remaining 8 air-vac and blowoff structures in the Carpintera area. COMB has several additional rehabilitation projects in the near vicinity of the Schedule F air-vac/blowoff repairs. This includes replacing the valve with excessive leakby at the Ortega Control Station, replacing the stem extensions on the valves in Carpinteria Reservoir, and rehabilitating the County Yard Turnout.

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

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

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

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

RESTRICTED CONTRACTOR JUSTIFICATION (NON COMPETITIVE BID)

A. PRICE ANALYSIS

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

Based on their performance in 2018 and 2019, COMB requested a quote from CCC to complete the additional work in the Summerland/Carpinteria area during the winter of 2020-21 based on the plans and specifications and the competitively bid prices from Schedule A, B, C. CCC provided a quote for a portion of the Schedule F structures and additional SCC asset rehabilitation projects. COMB has previously purchased valves needed for items 2 and 3 and purchased most the materials for items 4 to 6. COMB staff estimated the approximate materials, labor, and equipment costs based on previous experience with Schedule A, B, C, D, and E prior to receiving the quote. The quote received from Cushman Contracting quote is slightly less than the engineer's estimate and COMB staff believes the quote provided is fair and reasonable (See Table 1).

COMB staff recommends including an additional line item for Emergency/Miscellaneous Repairs for \$75,000 based on time and materials. Due to the current COVID-19 restrictions, COMB staff has been limiting in-house construction projects where staff have to be in close proximity. Providing an additional \$75,000 to the proposed contract would allow COMB to flexibility to contract unexpected issues and miscellaneous repair work. In 2011, COMB hired AECOM to prepare emergency plans and specifications in the event of a pipeline break. COMB maintains an inventory of spare parts needed for emergency repair work but does not have a construction contractor under contract in the event of the emergency. As part of the development of the Emergency Response Plan, COMB identified that having a construction contractor under contract to perform emergency repair is an important mitigation measure to reduce the risk and improve the resiliency of system operation.

Table 1. Cushman Contracting Quote

| Item | Description | Cushman Bid | Engineer Estimate Prior to Bid |
|--------------------------------|---|--------------------|---|
| 1 | Mobilization | \$10,410 | \$13,500 |
| 2 | Air-Vac/ Blowoff Upgrades - 352+07, 874+00, 900+15, 902+96) | \$73,725 | \$80,700 |
| 3 | Blowoff Upgrade (804+24) | \$26,875 | \$22,700 |
| 4 | Carpinteria Reservoir Valve #11, #12, #13 Extension Replacement | \$20,240 | \$16,000 |
| 5 | Ortega Valve #1 Replacement | \$11,300 | \$18,200 |
| 6 | County Yard Rehabilitation | \$32,935 | \$27,700 |
| Total Quote | | \$174,560 | \$179,300 |
| 7 | Emergency/Miscellaneous Repairs (T&M) | \$75,000 | |
| Total Proposed Contract | | \$249,560 | |

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

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



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.”

October 26, 2020

General Manager Report

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

Administration

- **Contracts Executed by the General Manager – 1st Quarter Fiscal Year 2020-21**

Under the general procurement guidelines, Section 2 of the COMB Procurement Policy authorizes the General Manager to approve expenditures made for official Agency business up to a maximum of \$25,000, provided such expenditures are within the budget, as adopted by the Agency.

Pursuant to the COMB Procurement Policy adopted by the Board, a quarterly report of all contracts executed by the General Manager for the period of July 1, 2020 through September 30, 2020 is presented for information. All contracts exceeding the authorized limit have been previously presented to and approved by the governing Board through respective Committees.

| Table 1 | | | | |
|---------------------------------------|---|---------------|--------------|-----------------|
| Contracts Executed by General Manager | | | | |
| July 1 - September 30, 2020 | | | | |
| Vendor Name | Contract Description | Date Executed | Date Expires | Contract Amount |
| Kenneth A. Knight Consulting, LLC | Arborist Consultant Scope of Work FY 2020-21 | 08/06/2020 | 06/30/2021 | \$5,000 |
| HDR Engineering, Inc. | Cachuma Project Fisheries Assistance Scope of Work FY 2020-21 | 08/17/2020 | 06/30/2021 | \$24,000 |
| Makai Ocean Engineering, Inc. | Addendum - Lake Cachuma Secured Pipeline Project | 08/31/2020 | 10/31/2020 | \$10,800 |
| Otis Elevator Company | Addendum - North Portal Elevator Repair & Maintenance | 09/03/2020 | 10/01/2022 | \$11,940 |
| Total Barricade Service, Inc. | Traffic Control - Vault Maintenance under Highway 192 | 09/17/2020 | 06/30/2021 | \$7,000 |

- **Sycamore Canyon Slope Stabilization FEMA Funding**

On October 19, 2020, COMB received written confirmation from FEMA through our CalOES representative that a total additional award amount of \$148,742 has been approved. The Final Inspection Report and sub-recipient closeout approval has been completed and a check for approximately \$180,000 will be forthcoming. Staff is commended for pursuing and completing this large project certification report and request for approval from the U.S. Department of Homeland Security’s Federal Emergency Management Agency for public assistance.

U.S. Bureau of Reclamation

- **Water Year 2021 Cachuma Project Allocation Request**

On October 19, 2020, Michael Jackson, SCCAO Area Manager (U.S. Bureau of Reclamation) informed the Santa Barbara County Water Agency and the Cachuma Project Member Units of its concurrence with the Member Units' request to allocate 100% of the contract total of 25,714 acre-fee in Cachuma Project water allocation for water year 2021.

Engineering / Operations

- **Water Quality and Sediment Management Study (WQSMS)– Internal Staff Activities**

The WQSMS was completed in August 2020 by Woodard and Curran / Limnotech. COMB staff provided the Member Agencies technical review team with a list of Phase 2 recommendations as described by the consultants from the Study. Comments received from the Member Agencies were consistent in the ranking of priorities for actions that COMB can manage internally. Additional sampling is needed to better understand nutrient and total organic sources prior to determining if additional, larger in-lake actions would make sense from a cost-benefit stand point. Staff will keep the Board informed as progress is made in the coming months.

- **Cachuma Project Draft Domestic Water Supply Permit Process**

COMB is required to have permit coverage with the Division of Drinking Water (DDW) in the potable section of the South Coast Conduit in order for staff to operate and maintain the system. Reclamation has noted this outstanding compliance measure in recommendations existing in COMB's comprehensive facility review reports. Staff applied for a system permit (existing one had expired) and is in the process of reviewing the draft permit for accuracies. Obtaining the re-issuance of the permit will allow COMB to be in compliance and apply for various grant funding opportunities. Once the draft has been reviewed by the Member Agencies and submitted to DDW, the operational permit should be issued shortly thereafter.

- **Lake Cachuma Watershed Sanitary Survey**

The Lake Cachuma Watershed Sanitary Survey is required for all domestic drinking water permits every five years. The previous survey was completed in 2016. Staff has developed and solicited proposals through a Request for Proposals (RFP) process and will provide the results through the Operations Committee prior to submitting to the Board for approval.

- **Lake Cachuma Bathymetric Survey**

The Santa Barbara County Water Agency engaged a consultant to perform the previous Lake Cachuma Bathymetric Survey in 2013. An updated survey is planned to be initiated by the County during the summer of 2021.

Respectfully Submitted,

Janet Gingras

General Manager

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: October 26, 2020
TO: Janet Gingras, General Manager
FROM: Joel Degner, Engineer/Operations Division Manager
RE: MONTHLY ENGINEERING REPORT

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

CLIMATE CONDITIONS

La Niña conditions have materialized in the Pacific Ocean. La Niña is likely to continue through the Northern Hemisphere winter 2020-21 (~85% chance) and into spring 2021 (~60% chance during February-April). In general, Lake Cachuma inflow is lower on average in winters with La Niña conditions. The National Weather Service Climate Prediction Center three-month seasonal outlooks for Southern California predict below average precipitation for this winter. Figure 1 provides a comparison of the historical Oceanic Nino Index and Lake Cachuma computed inflow. The current Oceanic Nino Index is -0.6 °C as of July-September 2020. While La Niña conditions in general result in less than average inflow into Lake Cachuma, wet years with inflow greater than 100,000 acre-feet have occurred during La Niña conditions in recent decades (2001, 2006, 2008, and 2011).

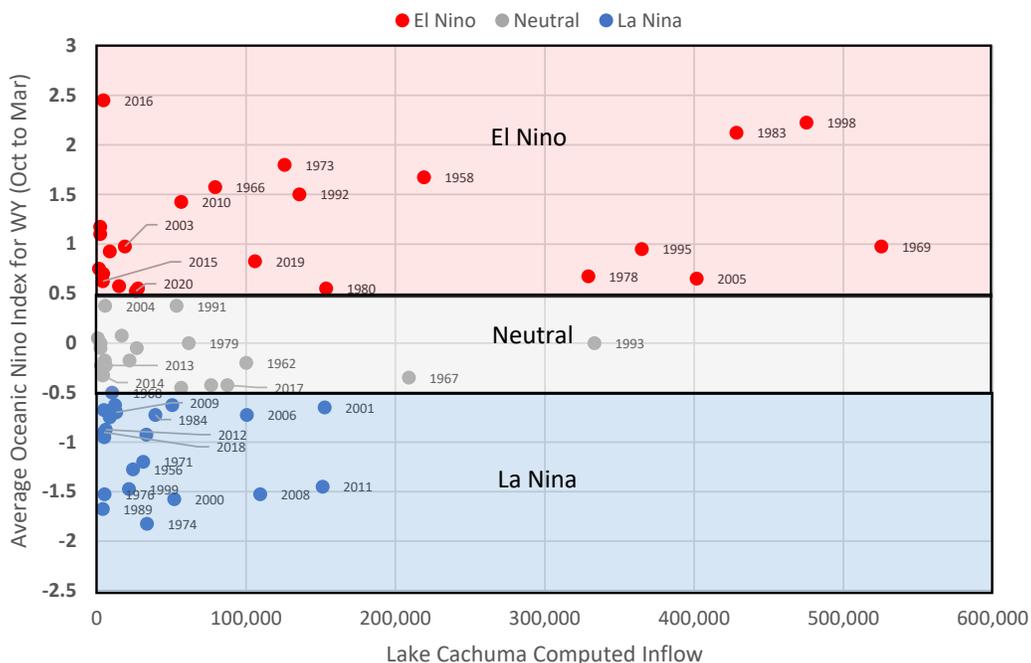


Figure1. Lake Cachuma Computed Inflow compared to the Oceanic Nino Index

LAKE ELEVATION/DOWNSTREAM RELEASE UPDATE

Lake Cachuma is currently at 68.5% capacity (730.65' as of 10/19/20). U.S. Bureau of Reclamation (Reclamation) began releasing water for Santa Ynez River Water Conservation District (SYRWCD) on August 31st. Based on the preliminary measurements approximately 7,600 acre-feet has been released since August 31st with 2,100 acre-feet flowing past the Santa Ynez River Narrows (as of October 19, 2020). The current release rate is 50 cfs

and if the current flow rate continues through November, a total of up to 12,000 acre-feet could be released. Figure 2 provides the provisional data recorded at Bradbury Dam, at the Santa Ynez River at Solvang (11128500) and at the Santa Ynez River at the Narrows near Lompoc (11133000) for the downstream release.

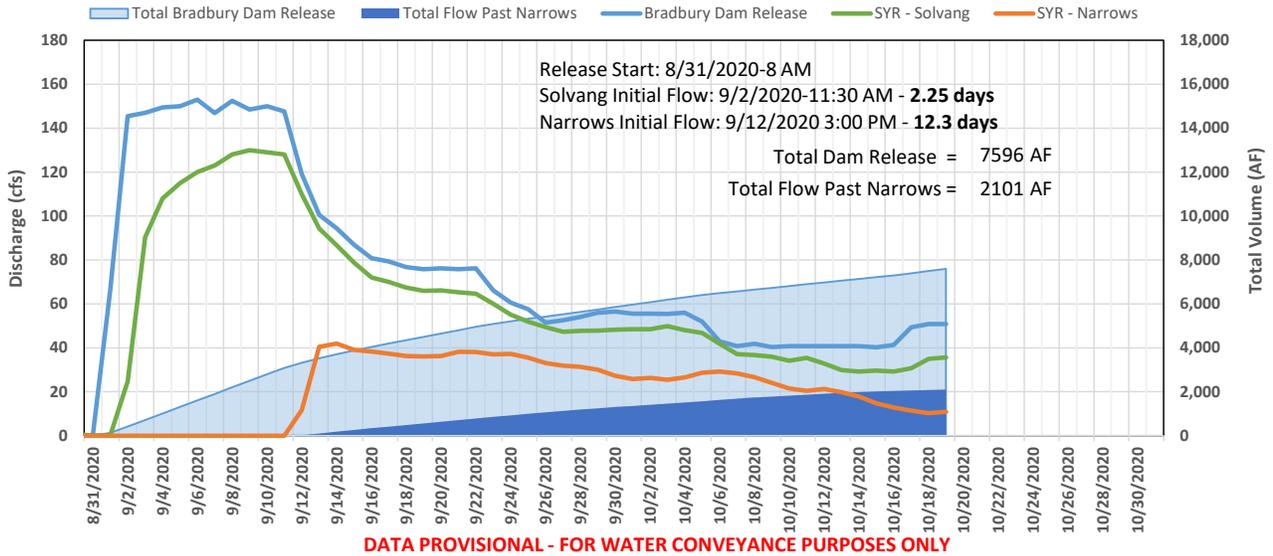


Figure 2. Downstream Release Data through September 22, 2020

Figure 2 provides the projected lake elevation assuming the downstream release continues through November with a total release of 12,000 AF in realistic scenario. In the realistic scenario, the lake elevation would be approximately 726.7' by December 31, 2020. Based on the current forecasts of imports/exports, if the next two winters are dry, then the Emergency Pumping Facility would need to be deployed in the Summer of 2022. Reclamation has approved the Water 2020-21 allocation and COMB has requested updated forecasts of imports/exports from the Member Agencies to improve future lake level projections.

| Parameter | Optimistic | Realistic | Conservative |
|------------------|---------------|-----------|------------------|
| SCC Exports | 80% Forecast | Forecast | 120% of Forecast |
| CCWA Inflow | 120% Forecast | Forecast | 80% of Forecast |
| WR 89-18 Release | 11,000 AF | 12,000 AF | 13,000 AF |

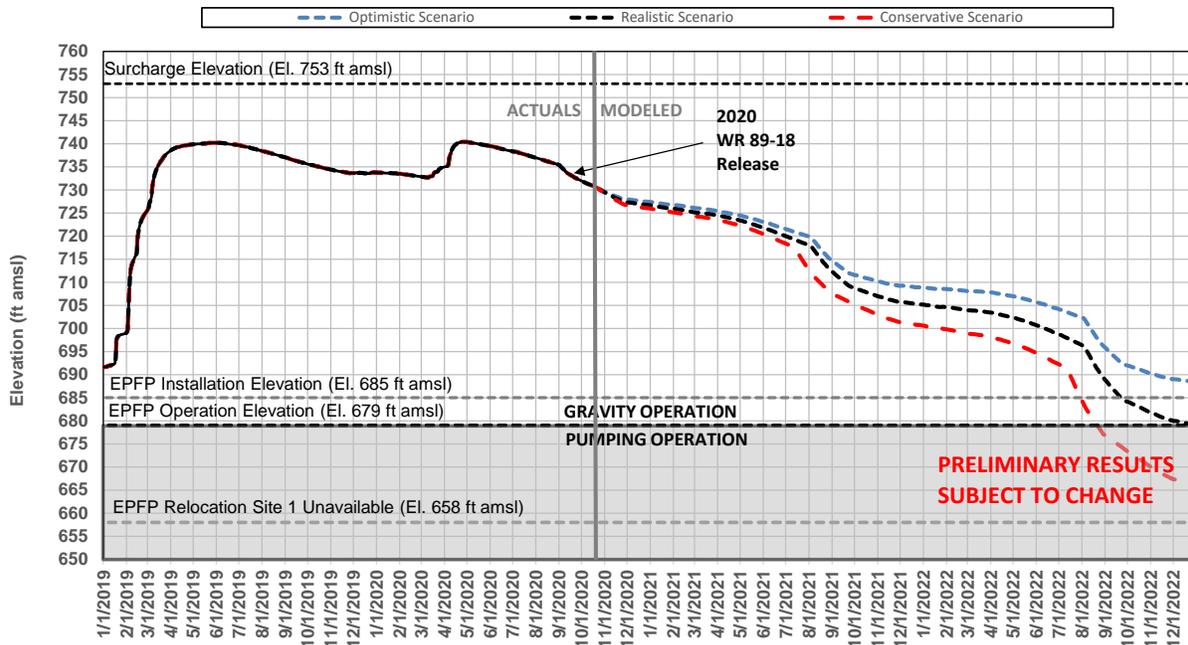


Figure 3. Lake Elevation Projection assuming Dry Year Hydrology (as of 10/20/2020)

Figure 4 provides the lake level projection utilizing the hydrology from years with an oceanic La Nina condition from 2000-2020. Eight of the last 20 years were classified as a La Nina Condition. Given the current lake elevation, oceanic conditions, and historical hydrology a spill has approximately a 50 percent chance of occurring during the Water Year 2020-21.

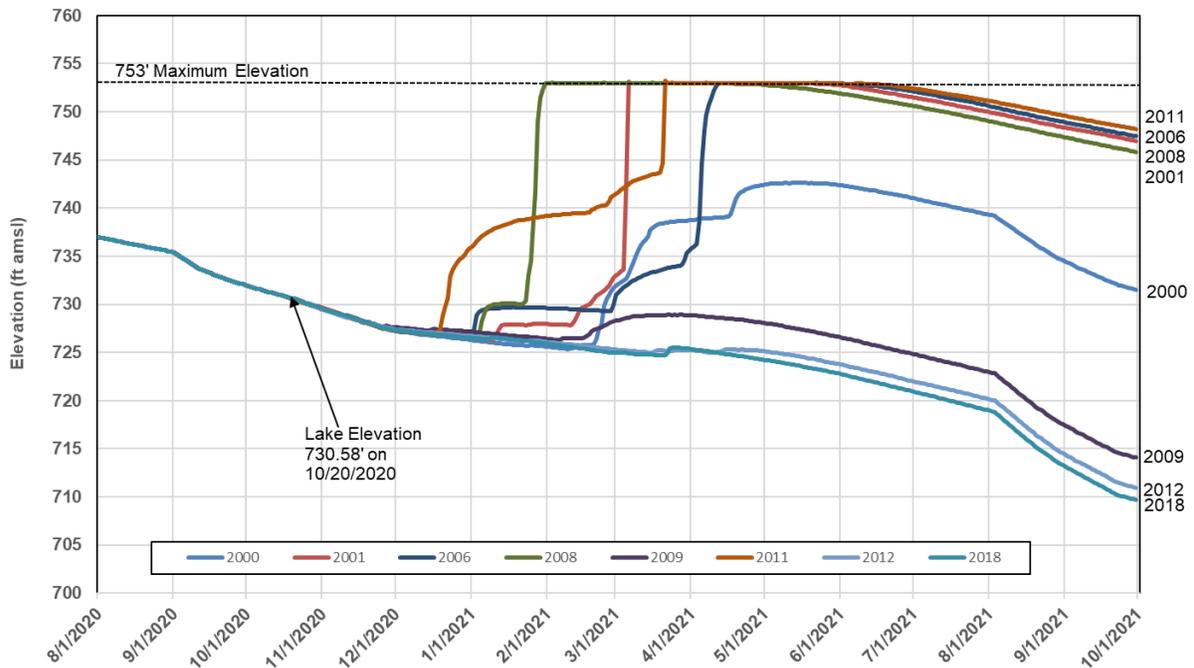


Figure 4. Lake Cachuma Elevation Projection assuming repeat of La Nina Hydrology in years from 2000 to 2020

INFRASTRUCTURE IMPROVEMENT PROJECTS

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

Table 1. Fiscal Year 2020-2021 Infrastructure Improvement Projects

| Infrastructure Improvement Projects | Status / Phase | Complexity / Challenges | Estimated Completion Date |
|--|--|--|---|
| Infrastructure Improvement Projects | | | |
| SCADA System | COMB entered into a contract with Aspect Engineering to replace the 6 remaining legacy PLCs. | COMB SCADA system was installed in 2004 and existing hardware is obsolete and in need of replacement. | PLC upgrades are planned to be completed by 2022. |
| COMB Building and Ground Repair | Admin and Fisheries modular office building replacement approved by the board and the design has been initiated. | COMB Admin and Fisheries modular offices will be replaced in-kind to limit complexity and challenges of construction. | Buildings planned to be replaced by the end of 2020. |
| SCC Structure Rehabilitation : AVAR/BO Valves | Designs have been completed for Schedule F in Carpinteria. Site were visited in October and quote received for a total of five structures to be down this winter. | COMB staff is currently modifying the work associated with this project as part of the Interim O&M Contract Renewal and in collaboration with CWWD for shutdown planning. COMB plans to prioritize non-shutdown related work that can be completed this winter for this fiscal year. | Non-shutdown work will likely be done Jan-March. Shutdowns needs to be coordinated with Reclamation and CWWD. |
| SCC Line Valves for Shutdown | Replacement 24" gate valve for Ortega Valve #1 has been ordered and planned to be replaced in the Spring or Fall of 2021. Replacement depends on MWD pipeline replacement. Received quotes for engineering services for line valve design in CWWD. | During Schedule D shutdown, excessive leak by was observed from Ortega Control Station. Valve #1 at the station will need to be replaced prior to construction involving the line valve. Additional line valve(s) are needed in Carpinteria to facilitate shutdown work. | Construction planned for Winter 2020-2021 |
| SCC Structure Rehabilitation : Lower Reach Laterals | Air vacuum release valves and some gate valves were purchased to support the project. Designs are being finalized. | In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborated with CWWD on this project. | Initial construction planned for 2021 but will depend on collaboration with CWWD. |
| Special Projects | | | |
| Emergency Pumping Facility - Secured Pipeline Project | Makai Ocean Engineering is finalizing designs, specifications, and report. Key components of the barge are currently being stored under contract. | With the increase in lake levels in 2020, the lake elevation is projected to remain above 685 until the Summer/Fall 2022. | Designs planned to be completed by October 2020. |
| Sanitary Survey | COMB plans to contract for a Sanitary Survey to be completed in 2021. Request for approval for a contract for consulting services will likely be presented to the board in December. | The current plan is to complete this in collaboration with COMB's member agencies, Santa Ynez, and the City of Lompoc. | Sanitary Survey is due by October 2021. |
| Lake Cachuma Water Quality and Sediment Management Study | The Study was completed in August 2020. COMB staff is preparing an implementation plan for the Phase 2 recommendations. | Additional sampling is needed to better understand nutrient and total organic sources prior to determining if additional larger actions at the lake would make sense from a cost-benefit stand point. | TBD |

CACHUMA OPERATION AND MAINTENANCE BOARD

DATE: October 26, 2020
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor

RE: MONTHLY REPORT OF OPERATIONS – September 2020

The total flow from Lake Cachuma into the Tecolote Tunnel for September was 1,929.8 acre-feet, for an average daily flow of 64.32 acre-feet. Lake elevation was 735.37 feet at the beginning of September and 732.01 feet at the end of September. Storage decreased by 8,430 acre-feet. CCWA wheeled 21.8 acre-feet of water to Cachuma Project facilities. The City of Santa Barbara wheeled 598.65 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 338.7 acre-feet of water to Hilton Creek for the month of September. The Water Rights 89-18 release to recharge downstream aquifers is currently taking place and the United States Bureau of Reclamation (USBR) released 5,522.0 acre-feet of water to the downstream users for the month of September.

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

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

South Coast Conduit - Structure Inventory

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

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

- Staff has been on site monitoring several ongoing projects throughout the area, working closely with the construction and engineering contractors to ensure that:
 - Pipeline easements and the right-of-way remain accessible to Operations staff for possible emergencies and ongoing facility maintenance.
 - All projects are following the COMB and USBR approved plans.

- No damage occurs to the SCC during the construction process.
- Conducted three flow changes at the North Portal during the month of August
- Reviewed several projects for conflicts within the right of way
- Received and responded to 95 USA Dig alerts
- Performed weekly inspections of major facilities, safety meetings, rodent bait (all reservoirs), toe drain and piezometer reads at Ortega (L23)
- Performed dam inspection and instrumentation reports (all reservoirs)
- Performed equipment and yard maintenance
- Performed monthly North Portal elevator maintenance with Otis
- Performed monthly water quality sampling
- Read anodes and rectifier data

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

- Staff completed structure maintenance on the lower reach Structures of the South Coast Conduit located within HWY 192. These 6 structures include AV 38+72, BO 44+75, AV 442+50, AV 643+92, and AV 676+67, and 874+00. COMB contracted "Total Barricade Inc." for traffic control services while COMB personnel conducted the annual maintenance of these structures. (see photos)
- The fish screens for the slide gates on the intake tower were cleaned and inspected. Inspection includes the condition of the sacrificial anodes, condition of the screens themselves, and to verify there is no signs of mussel/clam formations.
- The slide gates on the Intake Tower at Cachuma Lake were exercised and greased to ensure proper functionality.
- COMB personnel completed the Lauro yard storage area rehabilitation project. This project was designed to rehabilitate some of COMB's existing storage shelving to create a covered storage area for current and future assets purchased by COMB. The enclosed storage area eliminates exposure of harmful elements (rain, UV damage) to COMB assets such as valves, SCC manhole lids, and pipe spool pieces that could cause deterioration and damage over time. (see photos)
- COMB personnel alongside of "Aspect Engineering Services", replaced all of the cellular modems located at each of the PLC locations. In the near future, Verizon wireless is rolling out its new 5G coverage to all its cellular customers. COMB's existing modems would not be compatible with Verizon's new 5G bandwidth as they only operate on a 3G to 4G bandwidth. In turn, COMB would lose its critical data being transferred from each PLC site location. In all, there were 6 modems that were replaced in this upgrade project.
- Operations conducted structure maintenance on the upper reach section of the SCC. In all, 32 structures were visited this month.

Structure maintenance includes the following tasks:

- Weed abatement around the outside of the structure
- Ensuring the structure number is visible and legible
- Pumping out any water that may have accumulated in the structure
- Cleaning out and disinfecting the inside of the structure
- Exercising of valves and Air Vents
- Cleaning off or painting over any graffiti
- Perform visual inspection of condition of assets within structure

Lauro Yard Storage Area Rehab Project



HWY 192 Structure Maintenance Work



HWY 192 Structure Maintenance Work (cont.)



CACHUMA OPERATION AND MAINTENANCE BOARD

BOARD MEMORANDUM

DATE: October 26, 2020
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- USBR continues to deliver the required 2000 Biological Opinion target flows by gravity through the Hilton Creek Watering System (HCWS) at approximately 5.5 cfs to the Upper Release Point which is sustaining the *O. mykiss* population in the creek.
- The 2000 BiOp and Order WR 2019-0148 target flows to the Hwy 154 Bridge are being met by USBR for a Below Normal water year through releases to Hilton Creek and from the Outlet Works to the Lower Santa Ynez River (LSYR) mainstem.
- The 2020 WR 89-18 release began on 8/31/20 and is now in the equilibrium phase of the release at a rate approximately 50 cfs (Outlet Works plus HCWS) as of 10/21/20.

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

LSYR Steelhead Monitoring Elements:

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

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

Snorkel surveys: Snorkel surveys for *O. mykiss* and non-native fish are conducted three times a year. The first survey at the end of the spring has been completed. The results are presented in the annual monitoring report. End of summer surveys will be conducted soon.

WR 89-18 Release Monitoring: BiOp required monitoring for the WR 89-18 releases (RPM 6) started prior to the release as requested by USBR and will continue until after the releases are stopped. WR 89-18 releases are conducted by the Santa Ynez River Water Conservation District in collaboration with USBR. The 2020 WR 89-18 release began on 8/31/20 and ramped up over two days to a peak release of 150 cfs (Outlet Works plus Hilton Creek releases through the HCWS), This is a Below Narrows Account (BNA) release with release water now flowing past the Narrows and out into the Lompoc plain. The release is expected to continue into November. As requested by USBR and approved by NMFS, migrant trapping was conducted at one location (within the Refugio Reach of the Lower Santa Ynez River mainstem) for the first 18 days of the release. No *O. mykiss* were caught in the trap going upstream or downstream. The before- and during-release snorkel surveys have been completed pursuant to the terms and conditions stated in Reasonable and Prudent Measure (RPM) 6 as requested by Reclamation.

Tributary Project Updates:

South Side Erosion Control and Reforestation Project at Quiota Creek Crossing 8: Funding for this project has been secured through a National Fish and Wildlife Foundation (NFWF) grant for \$43,973. The COMB Board accepted the grant during the 3/23/20 Board meeting and authorized the COMB General Manager to go forward with the project through Resolution No. 705. All landowner agreements and permits for the project have been secured. COMB issued a construction contract to Peter Lapidus Construction (PLC) for \$41,530. All elements of the project have been successfully completed. PLC did a great job, came in on budget and completed their contract obligations. The final financial report for the project will be provided during the November Board meeting.

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

HCWS and HCEBS: The HCWS and HCEBS are owned, operated, and maintained by USBR. The HCEBS was completed at the end of January 2016. USBR technical staff continues to consider improvement options for the HCWS. Currently USBR is delivering water to Hilton Creek through the HCWS by gravity flow to the Upper Release Point with no backup from the HCEBS. The HCEBS delivery pipeline across the Stilling Basin has been temporarily removed.

No further observable work has been done on the HCWS pumping barge, with no date set for installation of the ordered parts.

Surcharge Water Accounting:

The following table summarizes the amount of surcharge water used to date from each of the three accounts plus unallocated project yield at the end of last month (Table 1). All numbers are from the USBR's Daily Operations Report. The start time for the use of the Surcharge Water Accounts and Project Yield was 5/27/11, or the day following the last day of full surcharge and end of the last spill event. As of May 2012, all of the fish rearing accounts have been used and USBR is now using Project Yield to meet BiOp target flows. Water Right (WR 89-18) release durations since 2013 are noted as follows: 7/15/13 - 12/2/13, 8/18/14 - 11/11/14, 8/3/15 - 9/26/15, 7/12/16 - 8/29/16, 8/21/17 - 11/8/17, and 8/6/18 - 9/12/18. There were no WR 89-18 releases in 2019 and the 2020 release is ongoing. During these releases, no fish rearing releases are debited as WR 89-18 releases are used conjunctively with fish flows under the Cachuma Project Settlement Agreement. The Adaptive Management Committee (AMC) called for two releases from the Adaptive Management Account (AMA), 35 acre-feet in October 2012 and 114 acre-feet in June 2013. The remaining amount in the

AMA is 351 acre-feet. All of the Fish Passage Supplementation Account (FPSA) has been used as explained in previous reports.

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

| Accounts* | Allocation | Amount Used** | Amount Remaining |
|--|--------------------|----------------------|-------------------------|
| Units: | (acre-feet) | (acre-feet) | (acre-feet) |
| Fish Passage Supplementation | | | |
| WY2019 | 3,200 | 3,307 | -107 |
| WY2020 | 0 | 2,558 | -2,558 |
| Adaptive Management | 500 | 149 | 351 |
| Fish Rearing*** | 8,684 | 8,684 | 0 |
| Unallocated Project Yield | | 20,215 | |
| Total: | 9,184 | 34,913 | -2,314 |
| * Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013. | | | |
| ** Values as of 9/30/20. | | | |
| *** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts. | | | |

Reporting / Outreach / Training:

Reporting: Staff currently is working on the WY2020 Annual Monitoring Report (the USBR report) and the Annual Monitoring Summary (the COMB report) as well as any other BiOp or Order WR 2019-0148 compliance measures as requested by USBR. All annual reports through WY2019 have been completed and submitted to NMFS or posted on the COMB webpage.

Outreach and Training: Outreach continues with Quiota Creek and Salsipuedes Creek watershed landowners, interested parties within the Santa Ynez Valley, and the County on a variety of fisheries related issues.

Consultant Activity Summary:

HDR Fisheries Design Center (Mike Garello) – Reporting work for the South Side Erosion Control and Reforestation Project at Quiota Creek Crossing 8.

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|------------------------------|
| Date: | October 26, 2020 |
| Submitted by: | Tim Robinson and Scott Volan |
| Approved by: | Janet Gingras |

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

RECOMMENDATION:

For Board information only.

SUMMARY:

Maintenance

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since December, 2019 to the present (12/1/19 – 10/26/20, Table 1). Labor and expenses for the entire fiscal year (July 2019 - June 2020) as well as water usage will be tracked separately and reported as necessary as recommended by the Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division seasonal employees to conduct the majority of oak tree work in the field. The 2015 Lakeshore Inventory was completed and reviewed by the Lake Cachuma Oak Tree Committee on 2/25/16. The 2019 Annual Inventory has been completed and Fiscal Year 2019-20 Financials has been compiled by the COMB-FD staff for the annual report and have been presented to the Lake Cachuma Oak Tree Committee on 9/3/20. A separate Board memo has been prepared on the findings of the Annual Report.

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

| | Dec 2019 | Jan 2020 ² | Feb 2020 ² | March 2020 ² | April 2020 ² | May 2020 | June 2020 | July 2020 | Aug 2020 | Sept 2020 | Oct 2020 |
|-------------------------------------|----------------------|---|---|-------------------------|-------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Year 11 Oaks (2019-2020) | | New Trees Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated | New Trees Gopher Baskets Fert/Comp Deer Cages Mulch/Irrigated | Weeded | Weeded | Irrigated Weeded | Irrigated Weeded | | Irrigated Weeded | Irrigated Weeded | |
| Year 10 Oaks (2018-2019) | Planted ¹ | | Irrigated | Irrigated Weeded | Weeded | Weeded | | Irrigated Weeded | Irrigated Weeded | | Irrigated Weeded |
| Year 9 Oaks (2016-2017) | Planted ¹ | | | | | Weeded | | Irrigated Weeded | Irrigated Weeded | | Irrigated Weeded |
| Year 8 Oaks (2015-2016) | Planted ¹ | | | Mulched | | Weeded Mowed | | Irrigated Weeded | Irrigated Weeded | Irrigated Weeded | |
| Year 7 Oaks (2014-2015) | Mulched Weeded | | | | | Mowed | | | | Irrigated Weeded | |
| Year 6 Oaks (2010-2011) | | | | | | Mowed | | | | | |
| Year 5 Oaks (2009-2010) | | | | | | | | | | | |
| Year 4 Oaks (2008-2009) | | | | | | | | | | | Deer Cages |
| Year 3 Oaks (2007-2008) | | | | | | | | | | | Deer Cages |
| Year 2 Oaks (2006-2007) | | | | | | | | | | | |
| Year 1 Oaks (2005-2006) | | | | | | | | | | | |

¹ Dead trees replaced
² Oak tree inventory

Staff is making great progress in completing multiple irrigation rounds on the newer age classes of oak trees this dry season. Another round of watering was completed on the Year 10 trees at the Santa Barbara County Park since the previous Board Meeting in September. Crews are currently in the process of watering and weeding the Year 9 trees at the Santa Barbara County Park.

Coast Live Oak and Valley Oak acorns are being collected by staff for propagation at Manzanita Nursery (Exhibit 1). Acorn collection will be completed by the end of the month.

The process of removing tree cages from trees that have outgrown their structure is ongoing. Cages are also being widened and replaced on trees that are growing out the sides but haven't achieved a height of 6 feet (Exhibit 2). Metal cages and wooden stakes are being stored at a staging area at Bradbury Dam for later use.

LIST OF EXHIBITS:



Exhibit 1: Lake Cachuma Oak Tree Restoration program showing (a) and (b) collection of acorns from a mature Coast Live Oak.



Exhibit 2: Lake Cachuma Oak Tree Restoration program showing (a) removal of tree cage from a tree greater than 6' in height, and (b) widening and replacing an oak tree cage.

CACHUMA OPERATION AND MAINTENANCE BOARD
METERED USE REPORT FOR SEPTEMBER 2020

| LATERAL/ STATION | NAME | ACRE FEET METERED | LATERAL/ STATION | NAME | ACRE FEET METERED |
|---|------|----------------------|---|--------------------------------------|----------------------|
| CARPINTERIA WATER DISTRICT | | | GOLETA WATER DISTRICT | | |
| Boundary Meter - East | | 419.45 | 18+62 | G. WEST | 143.32 |
| Boundary Meter - West | | (0.10) | 78+00 | Corona Del Mar FILTER Plant | 929.01 |
| | | | 122+20 | STOW RANCH | 0.00 |
| | | | | Raytheon (SWP) (Warren Act Contract) | 0.00 |
| | | | | Morehart (SWP) (Warren Act Contract) | (7.00) |
| | | | | SWP CREDIT (Warren Act Contract) | 0.00 |
| | | | TOTAL | | 1,065.33 |
| | | | MONTECITO WATER DISTRICT | | |
| | | | 260+79 | BARKER PASS | 66.59 |
| | | | 386+65 | MWD YARD | 11.37 |
| | | | 487+07 | VALLEY CLUB | 0.00 |
| | | | 499+65 | E. VALLEY-ROMERO PUMP | 158.54 |
| | | | 510+95 | MWD PUMP (SWD) | 15.21 |
| | | | 510+95 | ORTEGA CONTROL | 17.09 |
| | | | 526+43 | ASEGRA RD | 0.74 |
| | | | 555+80 | CO. YARD | 0.00 |
| | | | 583+00 | LAMBERT RD | 0.00 |
| | | | 599+27 | TORO CANYON | 0.00 |
| | | | | SWP CREDIT (Warren Act Contract) | 0.00 |
| | | | TOTAL | | 269.54 |
| | | | CITY OF SANTA BARBARA | | |
| | | | CATER | INFLOW | 1552.25 |
| | | | Gibraltar | PENSTOCK | (595.58) |
| | | | CATER | SO. FLOW | (902.40) |
| | | | Sheffield | SHEF.LIFT | 190.24 |
| | | | | SWP CREDIT (Warren Act Contract) | 0.00 |
| | | | | La Cumbre Mutual (SWP) (Warren Act) | (22.96) |
| | | | TOTAL | | 221.55 |
| | | | SANTA YNEZ RIVER WATER CONSERVATION DISTRICT, ID#1 | | |
| | | | COUNTY PARK, ETC | | 4.29 |
| | | | TOTAL | | 4.29 |
| | | | BREAKDOWN OF DELIVERIES BY TYPE: | | |
| | | | STATE WATER DELIVERED TO LAKE | | 22.00 |
| | | | STATE WATER TO SOUTH COAST (including from storage) | | 29.96 |
| | | | METERED DIVERSION | | 1,980.06 |
| SWP CREDIT (Warren Act Contract) 0.00 | | | | | |
| TOTAL 419.35 | | | | | |
| Note: Meter reads were taken on: 9/30/2020 | | | | | |

WATER YEAR 19-20 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF SEPTEMBER 2020 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

| CACHUMA PROJECT | | |
|---|----------------|-----------------|
| WATER PRODUCTION: | MONTH | WYTD |
| Cachuma Lake (Tec. Diversion) | 1,929.8 | 15,999.6 |
| Tecolote Tunnel Infiltration | 84.1 | 1,238.3 |
| Cachuma Lake (County Park) | 4.3 | 21.7 |
| Subtotal - Water Production | 2,018.1 | 17,259.6 |
| WATER DELIVERIES: | | |
| State Water Diversion | 30.0 | 688.7 |
| Cachuma Diversion | 1,980.1 | 16,576.8 |
| Storage gain/(loss) | 14.1 | 52.9 |
| Subtotal - Water Deliveries | 2,024.2 | 17,318.5 |
| Total Water Production | 2,018.1 | 17,259.6 |
| Total Water Deliveries | 2,024.2 | 17,318.5 |
| Difference = Apparent Water Loss | (6.0) | (58.9) |
| % Apparent Water Loss | -0.30% | -0.34% |

SCC APPARENT WATER LOSS ALLOCATION (AWL) ⁽⁴⁾

| | GWD | SB CITY | MWD | CVWD | TOTAL |
|---|------------|----------------|------------|-------------|---------------|
| CURRENT MONTH CHARGE / (ADJUSTMENT) ⁽³⁾ | | | | | |
| M&I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Agriculture | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Subtotal Cachuma Project | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| (+) State Water Project | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Current Month | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT) | | | | | |
| M&I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Agriculture | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Subtotal Cachuma Project | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| (+) State Water Project | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total AWL Charged (WYTD) ⁽³⁾ | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total AWL Not Charged (WYTD) ⁽³⁾ | | | | | (58.9) |
| Total AWL Incurred (WYTD) | | | | | (58.9) |

CACHUMA PROJECT WATER CHARGE

| | GWD | SB CITY | MWD | CVWD | SYRID #1 | TOTAL |
|---------------------------------------|----------------|----------------|----------------|----------------|-----------------|-----------------|
| CURRENT MONTH | | | | | | |
| Water Usage | | | | | | |
| M&I | 799.0 | 221.5 | 249.3 | 183.3 | 4.3 | 1,457.4 |
| Agricultural | 266.3 | 0.0 | 20.2 | 236.0 | N/A | 522.6 |
| Subtotal Project Water Use | 1,065.3 | 221.5 | 269.5 | 419.3 | 4.3 | 1,980.1 |
| (+) Apparent Water Loss | 0.0 | 0.0 | 0.0 | 0.0 | N/A | 0.0 |
| (+) Evaporative Loss ⁽⁴⁾ | 0.0 | 105.7 | 12.9 | 0.0 | 3.7 | 122.3 |
| Total Project Water Charge | 1,065.3 | 327.2 | 282.4 | 419.3 | 8.0 | 2,102.3 |
| WATER YEAR-TO-DATE | | | | | | |
| Water Usage | | | | | | |
| M&I | 7,403.1 | 1,841.4 | 2,180.7 | 1,461.2 | 21.7 | 12,908.1 |
| Agricultural | 1,884.8 | 0.0 | 168.5 | 1,615.4 | N/A | 3,668.7 |
| Subtotal Project Water Use | 9,287.9 | 1,841.4 | 2,349.1 | 3,076.6 | 21.7 | 16,576.8 |
| (+) Apparent Water Loss | 0.0 | 0.0 | 0.0 | 0.0 | N/A | 0.0 |
| (+) Evaporative Loss ⁽⁴⁾ | 267.4 | 1,145.3 | 223.3 | 80.3 | 38.4 | 1,754.7 |
| Total Project Water Charge (*) | 9,555.3 | 2,986.7 | 2,572.4 | 3,156.9 | 60.2 | 18,331.5 |

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

WATER YEAR 19-20 CACHUMA PROJECT ALLOCATION
CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF SEPTEMBER 2020 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾

(All in rounded Acre Feet)

CACHUMA PROJECT WATER BALANCE

| | GWD | SB CITY | MWD | CVWD | SYRID #1 | TOTAL |
|---|----------------|-----------------|----------------|----------------|-----------------|-----------------|
| Project Water Carryover - 10/1/2019 | 7,940.5 | 14,187.8 | 3,816.2 | 2,475.7 | 452.8 | 28,873.0 |
| Transfers/Adjustment | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| (-) Project Water Charge (WYTD) | 7,940.5 | 2,986.7 | 2,572.4 | 2,475.7 | 60.2 | 16,035.5 |
| Balance Carryover Water | 0.0 | 11,201.1 | 1,243.8 | 0.0 | 392.6 | 12,837.5 |
| Current Year Allocation ⁽⁵⁾ | 9,322.0 | 8,277.0 | 2,651.0 | 2,813.0 | 2,651.0 | 25,714.0 |
| (-) Balance of Project Water Charge (WYTD) | 1,614.8 | 0.0 | 0.0 | 681.2 | 0.0 | 2,296.0 |
| Net Allocation Available Before Adjustments | 7,707.2 | 8,277.0 | 2,651.0 | 2,131.8 | 2,651.0 | 23,418.0 |
| <u>Adjustments to Net Allocation (WYTD)</u> | | | | | | |
| Carryover Balances Spilled | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Surplus | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| State Water Exchange ⁽⁶⁾ | 626.0 | 417.0 | 418.0 | 279.0 | (1,740.0) | 0.0 |
| Transfers/Adjustment - SB/La Cumbre | 0.0 | (30.0) | 0.0 | 0.0 | 0.0 | (30.0) |
| Transfers/Adjustment - Bishop Ranch ⁽⁷⁾ | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Transfers/Adjustment - Juncal Transfer ⁽⁹⁾ | 0.0 | 297.1 | (297.1) | 0.0 | 0.0 | 0.0 |
| Transfers/Adjustment - GWD/SB Overlap ⁽¹⁰⁾ | (135.86) | 135.86 | 0.0 | 0.0 | 0.0 | 0.0 |
| Balance Current Year Allocation | 8,297.4 | 9,097.0 | 2,771.9 | 2,410.8 | 911.0 | 23,488.0 |
| Total Cachuma Project Water Available | 8,297.4 | 20,298.1 | 4,015.7 | 2,410.8 | 1,303.6 | 36,325.5 |

Footnotes

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only.
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted-for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017.
- (5) Per USBR, 100% allocation to Member Agencies, effective 10/1/19.
- (6) Per SWP Exchange Agrmt GWD received 122 AF; City of SB received 81 AF; MWD received 81 AF and CVWD received 54 AF from ID#1 in September 2020.
- (7) Transfer per Contract for Exchange Water with Thomas B. Bishop Company and GWD (100 AF)
- (8) Memo only - State Water Deliveries to Lake Cachuma for September was 22 AF.
- (9) Transfer per Juncal agreement between SB & MWD (297.10 AF)
- (10) Transfer per Overlap agreement between SB & GWD (135.86 AF)

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **SEPTEMBER 2020**

GLEN ANNIE RESERVOIR ⁽¹⁾

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

LAURO RESERVOIR

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

ORTEGA RESERVOIR

| | | |
|---------------------------------------|--------------|------|
| Capacity at 460' elevation: | 65 | AF |
| Capacity at outlet at elevation 440': | 0 | AF |
| Stage of Reservoir Elevation | 450.2 | Feet |
| Water in Storage | 29.97 | AF |

CARPINTERIA RESERVOIR

| | | |
|------------------------------------|--------------|------|
| Capacity at 384' elevation: | 45 | AF |
| Capacity at outlet elevation 362': | 0 | AF |
| Stage of Reservoir Elevation | 375.5 | Feet |
| Water in Storage | 24.59 | AF |

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

| | | |
|-------------------|--------|----|
| Change in Storage | 539.62 | AF |
| | 9.63 | AF |

CACHUMA RESERVOIR

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

| | | |
|------------------------------|----------------|-------|
| Stage of Reservoir Elevation | 732.01 | Feet |
| Water in Storage | 135,570 | AF |
| Surface Area | 2,397 | Acres |
| Evaporation | 1,062.0 | AF |
| Inflow | 405.0 | AF |
| Downstream Release WR8918 | 5,522.0 | AF |
| Fish Release (Hilton Creek) | 338.7 | AF |
| Outlet | 0.0 | AF |
| Spill/Seismic Release | 0 | AF |
| State Water Project Water | 21.80 | AF |
| Change in Storage | -8,430 | AF |
| Tecolote Diversion | 1,929.8 | AF |

Rainfall: Month: 0.00 Season: 0.00 Percent of Normal: 0%

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

(2) In 2014, flashboard installation raised Cachuma Reservoir max elevation to 753' (193,305 AF); surcharge water reserved for fish releases.

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

Contract Year: 10/1/19 to: 9/30/20

Contract Entity: **Goleta Water District**
 Update by COMB 9/30/2020

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|-------|----------------------------|-----------------------------|
| Oct | 7,940.5 | 9,322.0 |
| Nov | | |
| Dec | | |
| Jan | | |
| Feb | | |
| Mar | | |
| Apr | | |
| May | | |
| Jun | | |
| Jul | | |
| Aug | | |
| Sep | | |
| Total | 7,940.5 | 9,322.0 |

| TOTAL WATER USED | | | WATER USE CHARGED | | | | WATER USE CHARGED | | | |
|------------------|---------|---------|-------------------|---------|---------|---------|-------------------|---------|-------|---------|
| Acre-feet | | | Allocation | | | | Allocation | | | |
| M & I | Agr | Total | Evap | Used | Total | M & I | Agr | M & I | Agr | Total |
| 746.4 | 248.8 | 995.2 | 59.4 | 995.2 | 1,054.6 | 783.9 | 270.6 | - | - | - |
| 516.4 | 163.1 | 679.5 | 28.0 | 679.5 | 707.6 | 533.7 | 173.9 | - | - | - |
| 359.1 | 49.0 | 408.1 | 13.5 | 408.1 | 421.5 | 367.2 | 54.4 | - | - | - |
| 332.7 | 21.2 | 353.9 | 15.8 | 353.9 | 369.8 | 341.9 | 27.9 | - | - | - |
| 359.2 | 63.4 | 422.5 | 23.0 | 422.5 | 445.5 | 371.9 | 73.6 | - | - | - |
| 402.0 | 65.4 | 467.5 | 19.7 | 467.5 | 487.2 | 412.5 | 74.7 | - | - | - |
| 596.6 | 51.9 | 648.4 | 27.5 | 648.4 | 675.9 | 610.2 | 65.7 | - | - | - |
| 778.5 | 259.5 | 1,038.0 | 36.4 | 1,038.0 | 1,074.4 | 793.9 | 280.5 | - | - | - |
| 795.5 | 211.5 | 1,006.9 | 26.1 | 1,006.9 | 1,033.0 | 803.3 | 229.7 | - | - | - |
| 863.2 | 229.5 | 1,092.7 | 14.5 | 1,092.7 | 1,107.1 | 863.2 | 243.9 | - | - | - |
| 854.5 | 255.2 | 1,109.8 | 3.6 | 560.3 | 563.9 | 434.2 | 129.7 | 423.1 | 126.4 | 549.4 |
| 799.0 | 266.3 | 1,065.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 799.0 | 266.3 | 1,065.3 |
| 7,403.1 | 1,884.8 | 9,287.9 | 267.4 | 7,673.1 | 7,940.5 | 6,315.9 | 1,624.6 | 1,222.1 | 392.7 | 1,614.8 |

| CONVERSIONS (M&I AND AG SPLIT) | | | | |
|--------------------------------|---------|--------------------|-----|--|
| CARRYOVER WATER | | CURR YR ALLOCATION | | |
| M & I | Agr | M & I | Agr | |
| - | - | - | - | |
| - | - | - | - | |
| - | - | - | - | |
| - | - | - | - | |
| - | - | - | - | |
| - | - | - | - | |
| - | - | - | - | |
| - | - | - | - | |
| - | - | - | - | |
| - | - | - | - | |
| 860.3 | (860.3) | - | - | |
| 434.2 | (434.2) | - | - | |
| - | - | - | - | |

| SCHEDULE AND REVISIONS | | | | SCHEDULE AND REVISIONS | | | |
|------------------------|--|---------|------------|------------------------|------------|---------|---------|
| | | Total | Allocation | | Allocation | | Total |
| | | | M & I | Agr | M & I | Agr | |
| Month | | | | | | | |
| Oct | Begin Bal | 7,940.5 | 5,021.4 | 2,919.1 | 6,732.0 | 2,590.0 | 9,322.0 |
| Oct | ID#1 Exch (+45AF) | | | | 24.1 | 20.9 | 45.0 |
| Nov | | | | | - | - | - |
| Nov | | | | | - | - | - |
| Dec | | | | | - | - | - |
| Dec | | | | | - | - | - |
| Jan | | | | | - | - | - |
| Jan | | | | | - | - | - |
| Feb | | | | | - | - | - |
| Feb | | | | | - | - | - |
| Mar | | | | | - | - | - |
| Mar | | | | | - | - | - |
| Apr | | | | | - | - | - |
| Apr | | | | | - | - | - |
| May | Bishop Ranch Exch (+100AF) + ID#1 Exch (+73AF) | | | | 135.8 | 37.2 | 173.0 |
| May | ID#1 Exch (+110AF) | | | | 53.7 | 56.3 | 110.0 |
| Jun | ID#1 Exch (+130AF) | | | | 65.0 | 65.0 | 130.0 |
| Jun | ID#1 Exch (+146AF) | | | | 80.2 | 65.8 | 146.0 |
| Jul | ID#1 Exch (+122AF) + GWD/SB Ovlp (-135.86AF) | | | | (73.8) | 59.9 | (13.9) |
| Jul | | | | | | | |
| Aug | | | | | | | |
| Aug | | | | | | | |
| Sep | | | | | | | |

| BALANCE - CARRYOVER WATER | | | | BALANCE - CURR YR ALLOC | | | |
|---------------------------|--|---------|------------|-------------------------|------------|---------|---------|
| | | Total | Allocation | | Allocation | | Total |
| | | | M & I | Agr | M & I | Agr | |
| Month | | | | | | | |
| Oct | | 6,885.9 | 4,237.5 | 2,648.5 | 6,756.1 | 2,610.9 | 9,367.0 |
| Nov | | 6,178.4 | 3,703.8 | 2,474.6 | 6,756.1 | 2,610.9 | 9,367.0 |
| Dec | | 5,756.8 | 3,336.6 | 2,420.3 | 6,756.1 | 2,610.9 | 9,367.0 |
| Jan | | 5,387.1 | 2,994.7 | 2,392.4 | 6,756.1 | 2,610.9 | 9,367.0 |
| Feb | | 4,941.5 | 2,622.8 | 2,318.8 | 6,756.1 | 2,610.9 | 9,367.0 |
| Mar | | 4,454.4 | 2,210.3 | 2,244.1 | 6,756.1 | 2,610.9 | 9,367.0 |
| Mar | | 3,778.4 | 1,600.1 | 2,178.3 | 6,756.1 | 2,610.9 | 9,367.0 |
| May | | 2,704.0 | 806.2 | 1,897.9 | 6,891.9 | 2,648.1 | 9,540.0 |
| Jun | | 1,671.0 | 2.9 | 1,668.1 | 6,945.7 | 2,704.3 | 9,650.0 |
| Jul | | 563.9 | 0.0 | 563.9 | 7,010.7 | 2,769.3 | 9,780.0 |
| Aug | | 0.0 | 0.0 | 0.0 | 6,667.8 | 2,708.8 | 9,376.6 |
| Sep | | 0.0 | 0.0 | 0.0 | 5,795.0 | 2,502.4 | 8,297.4 |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 8,297.4

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

Contract Year: 10/1/19 to: 9/30/20

Contract Entity: **City of Santa Barbara**
 Update by COMB 9/30/2020

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|-------|----------------------------|-----------------------------|
| Oct | 14,187.8 | 8,277.0 |
| Nov | | |
| Dec | | |
| Jan | | |
| Feb | | |
| Mar | | |
| Apr | | |
| May | | |
| Jun | | |
| Jul | | |
| Aug | | |
| Sep | | |
| Total | 14,187.8 | 8,277.0 |

| TOTAL WATER USED | | | WATER USE CHARGED | | | | WATER USE CHARGED | | | |
|------------------|-----|---------|-------------------|---------|---------|---------|-------------------|-------|-------|-------|
| Acre-feet | | | Allocation | | | | Allocation | | | |
| M & I | Agr | Total | Evap | Used | Total | M & I | ----- | M & I | ----- | Total |
| 111.0 | - | 111.0 | 112.7 | 111.0 | 223.7 | 223.7 | - | - | - | - |
| 133.1 | - | 133.1 | 59.5 | 133.1 | 192.6 | 192.6 | - | - | - | - |
| 112.7 | - | 112.7 | 30.9 | 112.7 | 143.6 | 143.6 | - | - | - | - |
| 72.8 | - | 72.8 | 38.6 | 72.8 | 111.4 | 111.4 | - | - | - | - |
| 251.0 | - | 251.0 | 59.5 | 251.0 | 310.4 | 310.4 | - | - | - | - |
| 154.0 | - | 154.0 | 55.0 | 154.0 | 209.0 | 209.0 | - | - | - | - |
| 142.8 | - | 142.8 | 86.0 | 142.8 | 228.8 | 228.8 | - | - | - | - |
| 76.4 | - | 76.4 | 142.2 | 76.4 | 218.6 | 218.6 | - | - | - | - |
| 128.1 | - | 128.1 | 147.8 | 128.1 | 275.9 | 275.9 | - | - | - | - |
| 197.9 | - | 197.9 | 156.6 | 197.9 | 354.5 | 354.5 | - | - | - | - |
| 240.2 | - | 240.2 | 150.8 | 240.2 | 391.0 | 391.0 | - | - | - | - |
| 221.5 | - | 221.5 | 105.7 | 221.5 | 327.2 | 327.2 | - | - | - | - |
| 1,841.4 | - | 1,841.4 | 1,145.3 | 1,841.4 | 2,986.7 | 2,986.7 | - | - | - | - |

| 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 | - | - | - |

| SCHEDULE AND REVISIONS | | | SCHEDULE AND REVISIONS | | | |
|--|----------|----------|------------------------|---------|-------|---------|
| Allocation | | | Allocation | | | |
| | Total | M & I | ----- | M & I | ----- | Total |
| Begin Bal | 14,187.8 | 14,187.8 | | 8,277.0 | | 8,277.0 |
| LCMWD Trsrfr (-30AF) + ID#1 Exch (+30AF) | | | | - | - | - |
| | | | | - | - | - |
| | | | | - | - | - |
| | | | | - | - | - |
| | | | | - | - | - |
| ID#1 Exch (+49AF) | | | | 49.0 | - | 49.0 |
| ID#1 Exch (+74AF) | | | | 74.0 | - | 74.0 |
| ID#1 Exch (+86AF) | | | | 86.0 | - | 86.0 |
| ID#1 Exch (+97AF) | | | | 97.0 | - | 97.0 |
| ID#1 Exch (+81AF) + GWD/SB Ovlp (+135.86) + Juncal Trsrfr (+297.1AF) | | | | 514.0 | - | 514.0 |

| BALANCE - CARRYOVER WATER | | | BALANCE - CURR YR ALLOC | | | |
|---------------------------|----------|----------|-------------------------|---------|-------|---------|
| Allocation | | | Allocation | | | |
| Month | Total | M & I | ----- | M & I | ----- | Total |
| Oct | 13,964.1 | 13,964.1 | - | 8,277.0 | | 8,277.0 |
| Nov | 13,771.6 | 13,771.6 | - | 8,277.0 | | 8,277.0 |
| Dec | 13,628.0 | 13,628.0 | - | 8,277.0 | | 8,277.0 |
| Jan | 13,516.6 | 13,516.6 | - | 8,277.0 | | 8,277.0 |
| Feb | 13,206.1 | 13,206.1 | - | 8,277.0 | | 8,277.0 |
| Mar | 12,997.1 | 12,997.1 | - | 8,277.0 | | 8,277.0 |
| Apr | 12,768.3 | 12,768.3 | - | 8,277.0 | | 8,277.0 |
| May | 12,549.7 | 12,549.7 | - | 8,326.0 | | 8,326.0 |
| Jun | 12,273.8 | 12,273.8 | - | 8,400.0 | | 8,400.0 |
| Jul | 11,919.4 | 11,919.4 | - | 8,486.0 | | 8,486.0 |
| Aug | 11,528.4 | 11,528.4 | - | 8,583.0 | | 8,583.0 |
| Sep | 11,201.1 | 11,201.1 | - | 9,097.0 | | 9,097.0 |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 20,298.1

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

Contract Year: 10/1/19 to: 9/30/20

Contract Entity: **Montecito Water District**
 Update by COMB 9/30/2020

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|-------|----------------------------|-----------------------------|
| Oct | 3,816.2 | 2,651.0 |
| Nov | | |
| Dec | | |
| Jan | | |
| Feb | | |
| Mar | | |
| Apr | | |
| May | | |
| Jun | | |
| Jul | | |
| Aug | | |
| Sep | | |
| Total | 3,816.2 | 2,651.0 |

| TOTAL WATER USED | | | WATER USE CHARGED | | | | WATER USE CHARGED | | | |
|------------------|-------|---------|-------------------|---------|---------|---------|-------------------|-------|-----|-------|
| Acre-feet | | | Allocation | | | | Allocation | | | |
| M & I | Agr | Total | Evap | Used | Total | M & I | Agr | M & I | Agr | Total |
| 252.3 | 27.4 | 279.7 | 29.3 | 279.7 | 309.0 | 275.7 | 33.3 | - | - | - |
| 193.6 | 17.0 | 210.6 | 14.6 | 210.6 | 225.2 | 205.1 | 20.1 | - | - | - |
| 15.7 | 0.4 | 16.0 | 7.4 | 16.0 | 23.4 | 21.4 | 2.0 | - | - | - |
| 66.8 | 1.5 | 68.3 | 9.2 | 68.3 | 77.5 | 74.0 | 3.5 | - | - | - |
| 145.3 | 10.2 | 155.5 | 13.8 | 155.5 | 169.3 | 156.0 | 13.3 | - | - | - |
| 80.9 | 4.0 | 84.9 | 12.4 | 84.9 | 97.3 | 90.4 | 6.9 | - | - | - |
| 115.7 | 3.5 | 119.2 | 19.0 | 119.2 | 138.2 | 130.2 | 8.0 | - | - | - |
| 264.1 | 22.2 | 286.3 | 29.4 | 286.3 | 315.7 | 286.3 | 29.5 | - | - | - |
| 243.2 | 17.8 | 261.0 | 27.6 | 261.0 | 288.5 | 263.4 | 25.2 | - | - | - |
| 269.7 | 20.5 | 290.2 | 26.1 | 290.2 | 316.3 | 288.1 | 28.1 | - | - | - |
| 284.0 | 23.8 | 307.8 | 21.8 | 307.8 | 329.5 | 298.6 | 30.9 | - | - | - |
| 249.3 | 20.2 | 269.5 | 12.9 | 269.5 | 282.4 | 257.3 | 25.1 | - | - | - |
| 2,180.7 | 168.5 | 2,349.1 | 223.3 | 2,349.1 | 2,572.4 | 2,346.6 | 225.9 | - | - | - |

| 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 | - | - | - | - |

| SCHEDULE AND REVISIONS | | | | SCHEDULE AND REVISIONS | | | |
|---|---------|---------|-------|------------------------|-------|---------|--|
| Allocation | | | | Allocation | | | |
| | Total | M & I | Agr | M & I | Agr | Total | |
| Begin Bal | 3,816.2 | 3,041.1 | 775.1 | 2,244.0 | 407.0 | 2,651.0 | |
| ID#1 Exch (+30AF) | | | | 16.1 | 13.9 | 30.0 | |
| | | | | - | - | - | |
| | | | | - | - | - | |
| | | | | - | - | - | |
| | | | | - | - | - | |
| | | | | - | - | - | |
| ID#1 Exch (+49AF) | | | | 24.0 | 25.0 | 49.0 | |
| ID#1 Exch (+74AF) | | | | 36.2 | 37.8 | 74.0 | |
| ID#1 Exch (+86AF) | | | | 43.0 | 43.0 | 86.0 | |
| ID#1 Exch (+98AF) | | | | 53.8 | 44.2 | 98.0 | |
| ID#1 Exch (+81AF) + Juncal Trsfr (-297.1) | | | | (255.9) | 39.8 | (216.1) | |

| BALANCE - CARRYOVER WATER | | | | BALANCE - CURR YR ALLOC | | | |
|---------------------------|---------|---------|-------|-------------------------|-------|---------|--|
| Allocation | | | | Allocation | | | |
| | Total | M & I | Agr | M & I | Agr | Total | |
| Oct | 3,507.2 | 2,765.4 | 741.8 | 2,260.1 | 420.9 | 2,681.0 | |
| Nov | 3,282.0 | 2,560.3 | 721.7 | 2,260.1 | 420.9 | 2,681.0 | |
| Dec | 3,258.6 | 2,538.9 | 719.7 | 2,260.1 | 420.9 | 2,681.0 | |
| Jan | 3,181.1 | 2,464.9 | 716.2 | 2,260.1 | 420.9 | 2,681.0 | |
| Feb | 3,011.8 | 2,308.9 | 702.9 | 2,260.1 | 420.9 | 2,681.0 | |
| Mar | 2,914.5 | 2,218.5 | 696.0 | 2,260.1 | 420.9 | 2,681.0 | |
| Apr | 2,776.2 | 2,088.3 | 687.9 | 2,260.1 | 420.9 | 2,681.0 | |
| May | 2,460.5 | 1,802.0 | 658.5 | 2,284.1 | 445.9 | 2,730.0 | |
| Jun | 2,171.9 | 1,538.7 | 633.3 | 2,320.3 | 483.7 | 2,804.0 | |
| Jul | 1,855.7 | 1,250.5 | 605.2 | 2,363.3 | 526.7 | 2,890.0 | |
| Aug | 1,526.2 | 951.9 | 574.3 | 2,417.1 | 570.9 | 2,988.0 | |
| Sep | 1,243.8 | 694.5 | 549.2 | 2,161.2 | 610.7 | 2,771.9 | |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 4,015.7

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

Contract Year: 10/1/19 to: 9/30/20

Contract Entity: **Carpinteria Valley Water District**
 Update by COMB 9/30/2020

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|-------|----------------------------|-----------------------------|
| Oct | 2,475.7 | 2,813.0 |
| Nov | | |
| Dec | | |
| Jan | | |
| Feb | | |
| Mar | | |
| Apr | | |
| May | | |
| Jun | | |
| Jul | | |
| Aug | | |
| Sep | | |
| Total | 2,475.7 | 2,813.0 |

| TOTAL WATER USED | | | WATER USE CHARGED | | | WATER USE CHARGED | | |
|------------------|---------|---------|-------------------|---------|---------|-------------------|---------|-------|
| Acre-feet | | | Allocation | | | Allocation | | |
| M & I | Agr | Total | Evap | Used | Total | M & I | Agr | Total |
| 166.1 | 204.2 | 370.3 | 18.3 | 370.3 | 388.6 | 174.6 | 214.0 | - |
| 137.8 | 174.6 | 312.4 | 8.3 | 312.4 | 320.7 | 141.6 | 179.0 | - |
| 91.9 | 50.8 | 142.7 | 3.8 | 142.7 | 146.5 | 93.7 | 52.8 | - |
| 67.9 | 38.5 | 106.4 | 4.4 | 106.4 | 110.9 | 69.9 | 40.9 | - |
| 106.0 | 105.4 | 211.4 | 6.2 | 211.4 | 217.6 | 108.8 | 108.8 | - |
| 58.2 | 48.1 | 106.3 | 5.2 | 106.3 | 111.5 | 60.5 | 51.0 | - |
| 47.3 | 29.6 | 76.9 | 7.6 | 76.9 | 84.5 | 50.5 | 34.0 | - |
| 101.9 | 121.2 | 223.0 | 11.0 | 223.0 | 234.0 | 106.4 | 127.6 | - |
| 104.6 | 121.8 | 226.4 | 8.9 | 226.4 | 235.2 | 108.1 | 127.1 | - |
| 189.2 | 231.6 | 420.8 | 5.3 | 420.8 | 426.1 | 191.2 | 234.9 | - |
| 207.1 | 253.6 | 460.7 | 1.3 | 198.8 | 200.1 | 90.0 | 110.1 | 117.7 |
| 183.3 | 236.0 | 419.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 183.3 |
| 1,461.2 | 1,615.4 | 3,076.6 | 80.3 | 2,395.4 | 2,475.7 | 1,195.2 | 1,280.5 | 301.0 |
| | | | | | | | | 380.2 |
| | | | | | | | | 681.2 |

| CONVERSIONS (M&I AND AG SPLIT) | | | |
|--------------------------------|--------|--------------------|-----|
| CARRYOVER WATER | | CURR YR ALLOCATION | |
| M & I | Agr | M & I | Agr |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| 44.6 | (44.6) | - | - |
| - | - | - | - |

| SCHEDULE AND REVISIONS | | | SCHEDULE AND REVISIONS | | | |
|------------------------|---------|------------|------------------------|------------|---------|---------|
| | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| Begin Bal | 2,475.7 | 1,150.6 | 1,325.1 | 1,400.0 | 1,413.0 | 2,813.0 |
| ID#1 Exch (+20AF) | | | | 10.7 | 9.3 | 20.0 |
| | | | | - | - | - |
| | | | | - | - | - |
| | | | | - | - | - |
| | | | | - | - | - |
| | | | | - | - | - |
| ID#1 Exch (+33AF) | | | | 16.2 | 16.8 | 33.0 |
| ID#1 Exch (+49AF) | | | | 23.9 | 25.1 | 49.0 |
| ID#1 Exch (+58AF) | | | | 29.0 | 29.0 | 58.0 |
| ID#1 Exch (+65AF) | | | | 35.7 | 29.3 | 65.0 |
| ID#1 Exch (+54AF) | | | | 27.5 | 26.5 | 54.0 |

| BALANCE - CARRYOVER WATER | | | BALANCE - CURR YR ALLOC | | | |
|---------------------------|---------|------------|-------------------------|------------|---------|---------|
| | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| Oct | 2,087.1 | 976.0 | 1,111.1 | 1,410.7 | 1,422.3 | 2,833.0 |
| Nov | 1,766.5 | 834.4 | 932.1 | 1,410.7 | 1,422.3 | 2,833.0 |
| Dec | 1,620.0 | 740.7 | 879.3 | 1,410.7 | 1,422.3 | 2,833.0 |
| Jan | 1,509.1 | 670.8 | 838.3 | 1,410.7 | 1,422.3 | 2,833.0 |
| Feb | 1,291.5 | 562.0 | 729.5 | 1,410.7 | 1,422.3 | 2,833.0 |
| Mar | 1,180.0 | 501.5 | 678.4 | 1,410.7 | 1,422.3 | 2,833.0 |
| Apr | 1,095.5 | 451.0 | 644.4 | 1,410.7 | 1,422.3 | 2,833.0 |
| May | 861.4 | 344.6 | 516.8 | 1,426.9 | 1,439.1 | 2,866.0 |
| Jun | 626.2 | 236.5 | 389.7 | 1,450.8 | 1,464.2 | 2,915.0 |
| Jul | 200.1 | 45.3 | 154.8 | 1,479.8 | 1,493.2 | 2,973.0 |
| Aug | 0.0 | 0.0 | 0.0 | 1,397.8 | 1,378.3 | 2,776.1 |
| Sep | 0.0 | 0.0 | 0.0 | 1,242.0 | 1,168.8 | 2,410.8 |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 2,410.8

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

Contract Year: 10/1/19 to: 9/30/20

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**
 Update by COMB 9/30/2020

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|-------|----------------------------|-----------------------------|
| Oct | 452.8 | 2,651.0 |
| Nov | | |
| Dec | | |
| Jan | | |
| Feb | | |
| Mar | | |
| Apr | | |
| May | | |
| Jun | | |
| Jul | | |
| Aug | | |
| Sep | | |
| Total | 452.8 | 2,651.0 |

| TOTAL WATER USED | | | | WATER USE CHARGED | | | WATER USE CHARGED | | | |
|------------------|-----|-------|------|-------------------|-------|-------|-------------------|-------|-----|-------|
| Acre-feet | | | | Allocation | | | Allocation | | | |
| M & I | Agr | Total | Evap | Used | Total | M & I | Agr | M & I | Agr | Total |
| 1.8 | - | 1.8 | 3.6 | 1.8 | 5.4 | 1.9 | 3.5 | - | - | - |
| 1.7 | - | 1.7 | 1.9 | 1.7 | 3.6 | 1.7 | 1.9 | - | - | - |
| 1.2 | - | 1.2 | 1.0 | 1.2 | 2.2 | 1.2 | 1.0 | - | - | - |
| 1.2 | - | 1.2 | 1.3 | 1.2 | 2.5 | 1.3 | 1.2 | - | - | - |
| 1.4 | - | 1.4 | 1.9 | 1.4 | 3.3 | 1.4 | 1.9 | - | - | - |
| 0.9 | - | 0.9 | 1.8 | 0.9 | 2.7 | 0.9 | 1.8 | - | - | - |
| 0.8 | - | 0.8 | 2.9 | 0.8 | 3.7 | 0.8 | 2.8 | - | - | - |
| 0.9 | - | 0.9 | 4.8 | 0.9 | 5.6 | 0.9 | 4.7 | - | - | - |
| 2.3 | - | 2.3 | 5.0 | 2.3 | 7.3 | 2.3 | 4.9 | - | - | - |
| 2.9 | - | 2.9 | 5.3 | 2.9 | 8.3 | 3.0 | 5.3 | - | - | - |
| 2.5 | - | 2.5 | 5.2 | 2.5 | 7.7 | 2.5 | 5.2 | - | - | - |
| 4.3 | - | 4.3 | 3.7 | 4.3 | 8.0 | 4.3 | 3.7 | - | - | - |
| 21.7 | - | 21.7 | 38.4 | 21.7 | 60.2 | 22.2 | 38.0 | - | - | - |

| CONVERSIONS (M&I AND AG SPLIT) | | | |
|--------------------------------|-------|--------------------|-----|
| CARRYOVER WATER | | CURR YR ALLOCATION | |
| M & I | Agr | M & I | Agr |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| 0.6 | (0.6) | - | - |
| 2.5 | (2.5) | - | - |
| 4.3 | (4.3) | - | - |

| SCHEDULE AND REVISIONS | | | | SCHEDULE AND REVISIONS | | | |
|------------------------|--------------------|-------|------------|------------------------|------------|---------|---------|
| Month | Description | Total | Allocation | | Allocation | | Total |
| | | | M & I | Agr | M & I | Agr | |
| | Begin Bal | 452.8 | 14.8 | 438.0 | 935.0 | 1,716.0 | 2,651.0 |
| | ID#1 Exch (-125AF) | | | | (67.0) | (58.0) | (125.0) |
| Oct | | | | | - | - | - |
| Nov | | | | | - | - | - |
| Dec | | | | | - | - | - |
| Jan | | | | | - | - | - |
| Feb | | | | | - | - | - |
| Mar | | | | | - | - | - |
| Apr | | | | | - | - | - |
| May | ID#1 Exch (-204AF) | | | | (100.0) | (104.0) | (204.0) |
| Jun | ID#1 Exch (-307AF) | | | | (150.0) | (157.0) | (307.0) |
| Jul | ID#1 Exch (-360AF) | | | | (180.0) | (180.0) | (360.0) |
| Aug | ID#1 Exch (-406AF) | | | | (223.0) | (183.0) | (406.0) |
| Sep | ID#1 Exch (-338AF) | | | | (172.0) | (166.0) | (338.0) |

| BALANCE - CARRYOVER WATER | | | | BALANCE - CURR YR ALLOC | | | |
|---------------------------|-------------------------|-------|------------|-------------------------|------------|---------|---------|
| Month | County Parks Usage (AF) | Total | Allocation | | Allocation | | Total |
| | | | M & I | Agr | M & I | Agr | |
| Oct | 1.8 | 447.4 | 12.9 | 434.5 | 868.0 | 1,658.0 | 2,526.0 |
| Nov | 1.7 | 443.8 | 11.2 | 432.7 | 868.0 | 1,658.0 | 2,526.0 |
| Dec | 1.2 | 441.7 | 10.0 | 431.7 | 868.0 | 1,658.0 | 2,526.0 |
| Jan | 1.2 | 439.2 | 8.7 | 430.5 | 868.0 | 1,658.0 | 2,526.0 |
| Feb | 1.4 | 435.9 | 7.3 | 428.6 | 868.0 | 1,658.0 | 2,526.0 |
| Mar | 0.9 | 433.2 | 6.4 | 426.8 | 868.0 | 1,658.0 | 2,526.0 |
| Apr | 0.8 | 429.5 | 5.6 | 423.9 | 868.0 | 1,658.0 | 2,526.0 |
| May | 0.9 | 423.8 | 4.6 | 419.2 | 768.0 | 1,554.0 | 2,322.0 |
| Jun | 2.3 | 416.6 | 2.3 | 414.2 | 618.0 | 1,397.0 | 2,015.0 |
| Jul | 2.9 | 408.3 | 0.0 | 408.3 | 438.0 | 1,217.0 | 1,655.0 |
| Aug | 2.5 | 400.6 | 0.0 | 400.6 | 215.0 | 1,034.0 | 1,249.0 |
| Sep | 4.3 | 392.6 | 0.0 | 392.6 | 43.0 | 868.0 | 911.0 |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 1,303.6

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

Contract Year: 10/1/19 to: 9/30/20

Contract Entity: **Santa Barbara Co. Water Agency**
 Update by COMB 9/30/2020

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr | TOTAL WATER USED | | | | WATER USE CHARGED | | | WATER USE CHARGED | | | | |
|-------|----------------------------|-----------------------------|------------------|----------|---------|----------|-------------------|----------|----------|-------------------|---------|---------|-------|---------|
| | | | Acre-feet | | | | Allocation | | | Allocation | | | | |
| | | | Use % | M & I | Agr | Total | Evap | Div | Total | M & I | Agr | M & I | Agr | Total |
| Oct | 28,873.0 | 25,714.0 | 0.0 | 1,277.6 | 480.4 | 1,758.0 | 223.2 | 1,758.0 | 1,981.2 | 1,459.7 | 521.5 | - | - | - |
| Nov | | | 0.0 | 982.6 | 354.7 | 1,337.3 | 112.3 | 1,337.3 | 1,449.6 | 1,074.7 | 374.8 | - | - | - |
| Dec | | | 0.0 | 580.5 | 100.1 | 680.7 | 56.5 | 680.7 | 737.2 | 627.1 | 110.1 | - | - | - |
| Jan | | | 0.0 | 541.5 | 61.2 | 602.8 | 69.3 | 602.8 | 672.1 | 598.5 | 73.6 | - | - | - |
| Feb | | | 0.0 | 862.8 | 179.0 | 1,041.7 | 104.4 | 1,041.7 | 1,146.1 | 948.5 | 197.6 | - | - | - |
| Mar | | | 0.0 | 696.1 | 117.6 | 813.7 | 94.1 | 813.7 | 907.8 | 773.4 | 134.4 | - | - | - |
| Apr | | | 0.0 | 903.1 | 85.0 | 988.1 | 143.0 | 988.1 | 1,131.2 | 1,020.5 | 110.6 | - | - | - |
| May | | | 0.0 | 1,221.7 | 402.8 | 1,624.6 | 223.8 | 1,624.6 | 1,848.4 | 1,406.1 | 442.3 | - | - | - |
| Jun | | | 0.0 | 1,273.5 | 351.1 | 1,624.6 | 215.3 | 1,624.6 | 1,839.9 | 1,452.9 | 387.0 | - | - | - |
| Jul | | | 0.0 | 1,522.9 | 481.5 | 2,004.4 | 207.8 | 2,004.4 | 2,212.3 | 1,700.0 | 512.2 | - | - | - |
| Aug | | | 0.0 | 1,588.3 | 532.6 | 2,120.9 | 182.7 | 1,309.6 | 1,492.2 | 1,216.3 | 275.9 | 540.8 | 270.5 | 811.3 |
| Sep | | | 0.0 | 1,457.4 | 522.6 | 1,980.1 | 122.3 | 495.4 | 617.6 | 588.9 | 28.8 | 982.3 | 502.4 | 1,484.7 |
| Total | 28,873.0 | 25,714.0 | 0.3 | 12,908.1 | 3,668.7 | 16,576.8 | 1,754.7 | 14,280.8 | 16,035.5 | 12,866.6 | 3,168.9 | 1,523.1 | 772.9 | 2,296.0 |

| Month | CONVERSIONS (M&I AND AG SPLIT) | | | |
|-------|--------------------------------|---------|--------------------|-----|
| | CARRYOVER WATER | | CURR YR ALLOCATION | |
| | M & I | Agr | M & I | Agr |
| Oct | - | - | - | - |
| Nov | - | - | - | - |
| Dec | - | - | - | - |
| Jan | - | - | - | - |
| Feb | - | - | - | - |
| Mar | - | - | - | - |
| Apr | - | - | - | - |
| May | - | - | - | - |
| Jun | - | - | - | - |
| Jul | 860.9 | (860.9) | - | - |
| Aug | 481.4 | (481.4) | - | - |
| Sep | 4.3 | (4.3) | - | - |

| Month | SCHEDULE AND REVISIONS | | | SCHEDULE AND REVISIONS | | |
|-----------|------------------------|------------|---------|------------------------|---------|----------|
| | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| Begin Bal | 28,873.0 | 23,415.7 | 5,457.3 | 19,588.0 | 6,126.0 | 25,714.0 |
| Oct | - | - | - | (16.1) | (13.9) | (30.0) |
| Nov | - | - | - | - | - | - |
| Dec | - | - | - | - | - | - |
| Jan | - | - | - | - | - | - |
| Feb | - | - | - | - | - | - |
| Mar | - | - | - | - | - | - |
| Apr | - | - | - | - | - | - |
| May | - | - | - | 125.0 | (25.0) | 100.00 |
| Jun | - | - | - | 37.8 | (37.8) | - |
| Jul | - | - | - | 43.0 | (43.0) | - |
| Aug | - | - | - | 43.7 | (43.7) | - |
| Sep | - | - | - | 39.8 | (39.8) | - |

| Month | BALANCE - CARRYOVER WATER | | | BALANCE - CURR YR ALLOC | | | |
|-------|---------------------------|------------|----------|-------------------------|----------|---------|----------|
| | County Parks Usage (AF) | Allocation | | Allocation | | Total | |
| | | M & I | Agr | M & I | Agr | | |
| Oct | 1.8 | 26,891.8 | 21,956.0 | 4,935.8 | 19,571.9 | 6,112.1 | 25,684.0 |
| Nov | 1.7 | 25,442.2 | 20,881.2 | 4,561.0 | 19,571.9 | 6,112.1 | 25,684.0 |
| Dec | 1.2 | 24,705.0 | 20,254.2 | 4,450.9 | 19,571.9 | 6,112.1 | 25,684.0 |
| Jan | 1.2 | 24,033.0 | 19,655.7 | 4,377.3 | 19,571.9 | 6,112.1 | 25,684.0 |
| Feb | 1.4 | 22,886.9 | 18,707.2 | 4,179.7 | 19,571.9 | 6,112.1 | 25,684.0 |
| Mar | 0.9 | 21,979.1 | 17,933.8 | 4,045.2 | 19,571.9 | 6,112.1 | 25,684.0 |
| Apr | 0.8 | 20,847.9 | 16,913.3 | 3,934.6 | 19,571.9 | 6,112.1 | 25,684.0 |
| May | 0.9 | 18,999.5 | 15,507.2 | 3,492.3 | 19,696.9 | 6,087.1 | 25,784.0 |
| Jun | 2.3 | 17,159.6 | 14,054.3 | 3,105.3 | 19,734.7 | 6,049.3 | 25,784.0 |
| Jul | 2.9 | 14,947.4 | 13,215.2 | 1,732.2 | 19,777.7 | 6,006.3 | 25,784.0 |
| Aug | 2.5 | 13,455.1 | 12,480.2 | 974.9 | 19,280.7 | 5,692.0 | 24,972.7 |
| Sep | 4.3 | 12,837.5 | 11,895.7 | 941.8 | 18,338.1 | 5,149.9 | 23,488.0 |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **36,325.5**

CACHUMA DAILY OPERATIONS

Month & Year: **October 2020**
 Time of Observations: **0830** Evaporation Pan Factor: **75%**

| Day | Beginning Storage: 135,570 | | | Surface Area acres | Rainfall | | Evaporation | | CCWA Inflow acre-feet | Releases | | | | | Computed Inflow acre-feet | |
|---------------|----------------------------|----------------------|---------------------|-----------------------|----------|-----------|-------------|-----------|--------------------------|----------------|-------------|--------------|-----------|-----------|------------------------------|-----------|
| | Elevation ft | Storage acre-feet | Change acre-feet | | inches | acre-feet | inches | acre-feet | | Park Diversion | South Coast | Hilton Creek | WR 89-18 | Outlet | | Spillway |
| | | | | | | | | | | acre-feet | acre-feet | acre-feet | acre-feet | acre-feet | | acre-feet |
| 1 | 731.94 | 135,402 | (168) | 2,395 | - | - | 0.270 | 40.4 | - | 60.7 | 11.1 | 99.0 | | | 43.2 | |
| 2 | 731.85 | 135,186 | (216) | 2,393 | - | - | 0.250 | 37.4 | - | 67.9 | 11.1 | 99.0 | | | (0.6) | |
| 3 | 731.78 | 135,017 | (169) | 2,391 | - | - | 0.340 | 50.8 | 8.6 | 68.8 | 11.0 | 99.0 | | | 52.0 | |
| 4 | 731.69 | 134,801 | (216) | 2,389 | - | - | 0.280 | 41.8 | 12.3 | 67.5 | 11.0 | 100.0 | | | (8.0) | |
| 5 | 731.62 | 134,633 | (168) | 2,387 | - | - | 0.210 | 31.3 | 12.3 | 67.0 | 11.0 | 92.0 | | | 21.0 | |
| 6 | 731.55 | 134,467 | (166) | 2,385 | - | - | 0.270 | 40.2 | 1.1 | 68.9 | 11.0 | 74.0 | | | 27.0 | |
| 7 | 731.46 | 134,253 | (214) | 2,382 | - | - | 0.200 | 29.8 | - | 67.2 | 10.9 | 70.0 | | | (36.1) | |
| 8 | 731.40 | 134,111 | (142) | 2,381 | - | - | 0.200 | 29.8 | 9.5 | 68.7 | 11.0 | 72.0 | | | 30.0 | |
| 9 | 731.33 | 133,945 | (166) | 2,379 | - | - | 0.160 | 23.8 | 12.6 | 68.4 | 11.0 | 69.0 | | | (6.4) | |
| 10 | 731.28 | 133,826 | (119) | 2,377 | - | - | 0.160 | 23.8 | 12.6 | 52.0 | 10.9 | 70.0 | | | 25.1 | |
| 11 | 731.20 | 133,636 | (190) | 2,375 | - | - | 0.220 | 32.7 | 4.6 | 50.8 | 10.9 | 70.0 | | | (30.2) | |
| 12 | 731.14 | 133,493 | (143) | 2,373 | - | - | 0.200 | 29.7 | - | 43.9 | 10.9 | 70.0 | | | 11.5 | |
| 13 | 731.08 | 133,327 | (166) | 2,372 | - | - | 0.240 | 35.6 | - | 50.0 | 10.9 | 70.0 | | | 0.5 | |
| 14 | 731.01 | 133,185 | (142) | 2,370 | - | - | 0.180 | 26.7 | - | 54.1 | 10.9 | 70.0 | | | 19.7 | |
| 15 | 730.95 | 133,042 | (143) | 2,368 | - | - | 0.300 | 44.4 | - | 51.8 | 10.8 | 69.0 | | | 33.0 | |
| 16 | 730.90 | 132,923 | (119) | 2,367 | - | - | 0.290 | 42.9 | - | 53.5 | 10.9 | 71.0 | | | 59.3 | |
| 17 | 730.81 | 132,710 | (213) | 2,364 | - | - | 0.280 | 41.4 | - | 52.7 | 10.8 | 87.0 | | | (21.1) | |
| 18 | 730.73 | 132,520 | (190) | 2,362 | - | - | 0.230 | 34.0 | - | 54.4 | 10.8 | 90.0 | | | (0.8) | |
| 19 | 730.65 | 132,330 | (190) | 2,360 | - | - | 0.200 | 29.5 | - | 52.2 | 10.8 | 90.0 | | | (7.5) | |
| 20 | 730.58 | 132,165 | (165) | 2,358 | - | - | 0.160 | 23.6 | - | 61.1 | 10.8 | 91.0 | | | 21.5 | |
| 21 | 730.50 | 131,977 | (188) | 2,355 | - | - | 0.140 | 20.6 | - | 60.2 | 10.8 | 89.0 | | | (7.4) | |
| 22 | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |
| TOTALS | | | (3,593) | | - | - | 4.780 | 710.0 | 73.6 | - | 1,241.8 | 229.3 | 1,711.0 | - | - | 225.5 |

Park Usage Rain Yr. Total



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



| Cachuma Lake Recreation Area Launch Data -- September 2020 | | |
|---|-----|-----------------|
| Vessel Data | | |
| Total Vessels Entering Park | 661 | |
| Total Vessels Launched | 639 | |
| Total Vessels Quarantined | 22 | |
| Returning (Tagged) Boats Launched | 462 | 72% |
| Kayak/Canoe Launched | 177 | 28% |
| 4-stroke Engines | * | |
| 2-strokes, w/CARB star ratings | * | |
| 2-strokes, NO emissions ratings | * | |
| Vessel Inspection Data | | |
| Total Vessels Inspected | 42 | |
| Boats Inspected | 13 | |
| Kayaks/Canoes Inspected | 26 | |
| Simple Boats Inspected | 3 | |
| Inspections Passed | 40 | |
| Inspections Failed | 2 | 1 Boat, 1 Kayak |
| Quarantine Data | | |
| Total Vessels Quarantined | 22 | |
| Quarantined 7 days | * | |
| Quarantined 14 days | * | |
| Quarantined 30 days | 22 | |
| Quarantine Cause | | |
| Water on vessel* | * | |
| Debris on hull* | * | |
| Plug installed* | * | |
| From infected county | 3 | |
| Ballast tanks* | * | |
| Boat longer than 24 feet* | * | |
| Out-of-state | 0 | |
| Unspecified* | * | |
| Mandatory Quarantine All Untagged Boats | 22 | |
| Demographic Data | | |
| Quarantined from infected county | 3 | |
| Quarantined from SB County | 16 | |
| Quarantined from uninfected co | 3 | |
| Quarantined from out of state | 0 | |

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

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

* These conditions are no longer being tracked.

EARLY DETECTION MONITORING PROGRAM SUMMARY

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

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

Inspection Date and Time: 2020.09.30; 10 a.m. to 12 p.m. PDT.

Method: 6 Sampling Stations; 36 meters/118 linear feet of line.

Surveyors: Santa Barbara County, Parks Division Employees.

Lake elevation: Max feet: 753.00, current 732.39; Max acre-feet: 193,305, current: 136,482;

Current capacity: 70.6%

Prepared based on inspections and data collected by Cachuma Lake Staff, Park Camp Hosts, and volunteers.

G:\PARKS-OPERATIONS\MID COUNTY\CACHUMA\QUAGGA MUSSELS\QUAGGA INSPECTIONS & INSPECTION REPORTS\CACHUMA AQUATIC INVASIVE SPECIES REPORTS\CACHUMA AIS REPORTS\CACHUMA AIS REPORTS 2020\AIS INSPECTION SURVEY SUMMARY 2020.09.DOC

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CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|--------------|------------------|
| Date: | October 26, 2020 |
| Prepared by: | Perri Wolfe |
| Approved by: | Janet Gingras |

SUBJECT: Board Discussion on Process to Return to In-Person Meetings

RECOMMENDATION:

The Board of Directors receive information regarding in-person meetings and provide direction to staff, as appropriate.

BACKGROUND:

On March 4, 2020, Governor Newsom declared a State of Emergency and signed a series of Executive Orders addressing various aspects of the COVID-19 pandemic. Immediately thereafter, COMB began conducting its public meetings pursuant to the provisions of Governor Newsom’s Executive Order Nos. N-25-20, N-29-20 and N-33-20. These Executive Orders, among other things, waived certain requirements of the Ralph M. Brown Act, California’s open meetings law for local agencies. In particular, the Executive Orders authorized a legislative body to conduct its public meetings via teleconferencing and to make public meetings accessible telephonically or otherwise electronically to all members of the public seeking to attend and address the legislative body. County authorities may also issue local Health Officer Orders that reinforce these executive orders, and they may be more restrictive than State guidance.

Since March 4, 2020 COMB has conducted its public meetings telephonically (only). The agenda and meeting packet information are posted to the COMB website at least 72 hours in advance of a scheduled meeting for download and viewing. The teleconference call-in information is posted on each COMB meeting agenda. Board members, staff and members of the public are able to participate in the public meeting via a dial-in telephone number.

Under the Executive Orders, certain businesses have been classified as “essential” and are able to operate with safety protocols in place. COMB has been operating as an essential service since these Orders took effect.

On August 28, 2020 Governor Newsom announced the “Blueprint for a Safer Economy”, a statewide four-tier system to determine reopening of business operations and other related activities for counties in the state. (Table 1).

| | Higher Risk \longrightarrow Lower Risk of Community Disease Transmission*** | | | |
|--|--|-----------------------|--------------------|-------------------|
| | Widespread Tier 1 | Substantial Tier 2 | Moderate Tier 3 | Minimal Tier 4 |
| Measure | | | | |
| Adjusted Case Rate for Tier Assignment** (Rate per 100,000 population* excluding prison cases^, 7 day average with 7 day lag) | >7 | 4-7 | 1-3.9 | <1 |
| Testing Positivity^ (Excluding prison cases^, 7 day average with 7 day lag) | >8% | 5-8% | 2-4.9% | <2% |

Table 1. Four-Tier Framework for Reopening

According to the Blueprint, counties must remain in a tier for a minimum of 21 days with certain performance criteria before being eligible to move into the next tier. In order to move into a less restrictive tier, a county must meet that tier's criteria for two straight weeks. Conversely, a county may move to a more restrictive tier if COVID related conditions worsen. Santa Barbara County was initially classified under Tier One upon announcement of the Blueprint.

On September 29, 2020, the County of Santa Barbara issued Health Officer Order No. 2020-12.9 which reclassified the County of Santa Barbara from Tier One "purple", to Tier Two "red" which allows for reopening of some activities as compared to Tier One.

On October 13, 2020, local Health Officer Order No. 2020-12.11, which supersedes Health Officer Order No. 2020-12.9, announced, among other things, a more restrictive County guidance, prohibiting "gatherings" large and small, unless an exemption applies. A gathering is defined as any event or convening that brings people together in a single room or single indoor or outdoor space at the same time. In-person meetings are considered "gatherings" per the County of Santa Barbara Public Health provisions. COMB, though being an essential business, currently does not qualify for an exemption.

DISCUSSION:

COMB is committed to operating in an open and transparent manner. COMB has complied with both Governor Newsom's Executive Orders and the County of Santa Barbara Health Officer Orders during the COVID-19 pandemic. Currently, there is not a timeline for returning to in-person meetings. Once the restrictions are removed, COMB will take the necessary steps to conduct meetings while providing a safe environment for the Board, staff, and public.