

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

by Teleconference Call ONLY

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

Monday, April 26, 2021

1:00 PM

AGENDA

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

- 1. CALL TO ORDER, ROLL CALL**
- 2. 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 March 22, 2021 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
- 4. VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Administrative Committee Meeting – April 15, 2021
 - Operations Committee Meeting – April 22, 2021
- 5. CONTRACTS EXECUTED BY THE GENERAL MANAGER – 3rd QUARTER FISCAL YEAR 2020-21**
Action: Receive and file information on Contracts Executed by the General Manager – 3rd Quarter Fiscal Year 2020-21
- 6. FINANCIAL REVIEW – 3rd QUARTER FISCAL YEAR 2020-21**
Action: Receive and file information on the 3rd Quarter Fiscal Year 2020-21 Financial Review
- 7. RESOLUTION NO. 724 – PROPOSED AMENDMENT TO THE 2021-2025 INFRASTRUCTURE IMPROVEMENT PLAN (IIP)**
Action: Recommend approval by motion and roll call vote of the Board

8. **GENERAL MANAGER REPORT**

Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:

- Administration
- Meetings
- U. S. Bureau of Reclamation
- Staff Training

9. **ENGINEER'S REPORT**

Receive information from the COMB Engineer, including but not limited to the following:

- Climate Conditions
- Comprehensive Facility Reviews
- Infrastructure Improvement Projects

10. **OPERATIONS DIVISION REPORT**

Received information regarding the Operations Division, including but not limited to the following:

- Lake Cachuma Operations
- Operation and Maintenance Activities

11. **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

12. **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

13. **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

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

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

- a. [Government Code Section 54956.9(d)(1)]
Name of matter: *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647
– Request for Declaratory and Injunctive Relief

16. **[CLOSED SESSION]: ANNUAL PERFORMANCE REVIEW**

- a. [Government Code Section 54957(b)(1)]
Title: General Manager

17. [CLOSED SESSION]: CONFERENCE WITH LABOR NEGOTIATORS

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

18. RECONVENE INTO OPEN SESSION

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

- 15a. *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647 – Request for Declaratory and Injunctive Relief
16a. Annual Performance Review – General Manager
17a. Conference with Labor Negotiators

19. MEETING SCHEDULE

- **May 24, 2021 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

20. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

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

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

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

THIS PAGE INTENTIONALLY LEFT BLANK

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

by Teleconference Call ONLY

**Monday, March 22, 2021
1:00 PM**

1. CALL TO ORDER, ROLL CALL

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

Tobe Plough, Montecito Water District Alternate

General Counsel Present:

William Carter, Musick, Peeler, Garrett, LLP

Staff Present:

Janet Gingras, General Manager

Edward Lyons, Administrative Manager/CFO

Joel Degner, Engineer/Operations Division Manager

Timothy Robinson, Fisheries Division Manager

Dorothy Turner, Administrative Assistant II

Others Present:

Kathleen Werner, Goleta Water District

2. PUBLIC COMMENT

There was no public comment.

3. CONSENT AGENDA

- a. Minutes of February 22, 2021 Regular Board Meeting
- b. Investment of Funds
 - Financial Reports
 - Investment Reports
- c. Review of Paid Claims

Ms. Gingras introduced the Consent Agenda items and invited Mr. Lyons to provide comments regarding the financial reports. Mr. Lyons reviewed revenues received and several expenditures of note,

including the United States Geological Service quarterly remittance and payment to Peter Lapidus Construction for the replacement of the culvert on the Sheffield access road. Mr. Lyons field questions from the Board and noted a textual edit proposed for the Investment Report.

Director Hanson motioned to approve the Consent Agenda, as revised, followed by a second from Director Sneddon. The motion carried unanimously with a vote of six in favor.

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

4. VERBAL REPORTS FROM BOARD COMMITTEES

- *Administrative Committee Meeting – March 17, 2021* – President Holcombe recapped the items addressed in committee. She noted that the action items were contained in this agenda for Board discussion.

5. PERSONNEL POLICY AND EMPLOYEE HANDBOOK UPDATE

Ms. Gingras presented the Personnel Policy and Employee Handbook updates to the Board and reviewed the history of the current handbook. Mr. Lyons then detailed the new leave policy required under the updated California Family Rights Act. Additionally he noted updates to COMB's policy regarding crime victims' leave to include added protection mandated by AB 2992. Finally, Mr. Lyons summarized updates to the handbook recommended by ACWA JPIA, resulting from its review of the document. He fielded questions from the Board.

6. SELECTION OF AUDITOR FOR INDEPENDENT FINANCIAL AUDITING SERVICES – FISCAL YEARS 2021 - 2023

Ms. Gingras advised the Board that as a result of the expiration of COMB's current agreement for audit services, staff had sent out Requests for Proposals to four firms and had received three proposals. She deferred to Mr. Lyons to discuss the evaluation process and the staff recommendation. Mr. Lyons explained the scoring process and criteria to which each proposal was subjected. Based upon these results, staff recommended that Bartlett, Pringle & Wolf (BPW) continue as COMB's independent auditor for the years ended June 30, 2021-2023. Additionally, Mr. Lyons reviewed the cost quoted for each year and noted that staff has been pleased with BPW's work.

Motion was made by Director Plough to approve the recommended selection of the independent auditor. Director Sneddon seconded and the motion carried by a unanimous vote of six in favor.

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

7. PROPOSED LETTER OF SUPPORT – HABITAT RESTORATION AND ENHANCEMENT ACT (HREA) STREAMLINE PERMITTING PROGRAM RENEWAL

Ms. Gingras presented the letter of support for SB 716 to renew the HREA program. She reviewed how AB 2193 had simplified the permitting process. Mr. Robinson echoed her comments and described the importance of the HREA program during the fish passage projects over the years.

Ms. Gingras noted that SB 716 would be reviewed by counsel before executing the letter. She fielded questions and comments from the Board.

Director Hanson put forth a motion to approve the letter of support. Director Plough seconded the motion which carried unanimously with a vote of six in favor.

Ayes: Sneddon, Plough, Hanson, Holcombe

Nays:

Absent:

Abstain:

8. GENERAL MANAGER REPORT

- Administration
- Meetings
- U. S. Bureau of Reclamation

Ms. Gingras reported, with congratulations to staff, that COMB's 2020-21 operating budget had received the Distinguished Budget Presentation Award from the GFOA. She provided information on the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) update for 2022, noting that Mr. Lyons and Mr. Papen are representing COMB on the Mitigation Advisory Committee. Additionally, Ms. Gingras advised that COMB staff was now eligible for the COVID-19 vaccine and is being registered for vaccine appointments as they are available. Finally Ms. Gingras reported staff participation in Reclamation's 2021 Water Management Workshop and advised that staff is preparing for Reclamation's Comprehensive Facility Review of the dam facilities.

9. ENGINEER'S REPORT

- Climate Conditions
- Cachuma Drought Contingency Plan
- Structure Rehabilitation on the South Coast Conduit
- Infrastructure Improvement Projects

Mr. Degner presented his report beginning with updated information regarding the status and expected deployment of the EPPF, based upon current climate conditions and forecasts. He outlined the steps for deployment and noted that the Secured Pipeline project is a parallel project currently undergoing environmental review. Additionally, Mr. Degner updated timelines and reported the status or completion of several South Coast Conduit structure rehabilitation projects, including the Goleta West turnout and the line valve installation. He reviewed the ongoing IIP projects and noted that the SCADA PLC upgrade at Goleta had been completed. He fielded questions from the Board.

10. OPERATIONS DIVISION REPORT

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. Degner presented the Operations Division report, noting that preparation was under way for Reclamation's upcoming facilities Inspection. Valve exercising and testing was in process. He detailed collaboration with CalTrans' upcoming repaving of a portion of Highway 192 that will entail the lowering and then raising of two air vents following project completion. Lastly, he reported the

completion of respirator fit tests for confined space work. Mr. Degner fielded questions from the Board, in particular how COMB might reduce its carbon footprint.

11. FISHERIES DIVISION REPORT

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

Mr. Robinson reported that Hilton Creek and Highway 154 bridge target flows had been met. Reclamation has successfully reinstalled the floating pipeline, however two inoperable valves will be replaced which will require stoppage of flow to the outlet works. Staff will be mobilized to monitor the process and rescue fish, if necessary. Mr. Robinson added that Reclamation reports it has repaired the Hilton Creek pumping barge which is fully operational. He provided monitoring updates regarding redds, emergence of young of the year and trapping efforts. Finally, he advised that target flows to Hilton will be reduced as the lake elevation drops. Mr. Robinson fielded questions and comments from the Board.

12. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM

- Maintenance and Monitoring

Mr. Robinson reported that irrigation of the trees had already been required due to an unusually dry February. The trees in Lake Cachuma Park are healthy and greatly enhance the park, including the Frisbee Golf Course.

13. MONTHLY CACHUMA PROJECT REPORTS

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

Other than elevated demands for the month of February, Ms. Gingras reported nothing of note with respect to the water reports.

14. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

President Holcombe asked that the Board be updated on the status of COMB's D3 permit process.

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

- a. [Government Code Section 54956.9(d)(1)]
Name of matter: *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647
– Request for Declaratory and Injunctive Relief

The Board entered into Closed Session at 2:26 PM.

17. RECONVENE INTO OPEN SESSION

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

- 15a. *Kimball-Griffith L.P. v. Brenda Wren Burman, et al.*, Case No. 2:20-cv-10647 – Request for Declaratory and Injunctive Relief

The Board reconvened into Open Session at 2:43 PM. There was no reportable action.

18. MEETING SCHEDULE

- **April 26, 2021 at 1:00 PM**
- **Board Packages available on COMB website www.cachuma-board.org**

19. COMB ADJOURNMENT

There being no further business, the meeting was adjourned at 2:44 PM.

Respectfully submitted,

Janet Gingras, Secretary of the Board

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

APPROVED:

Polly Holcombe, President of the Board

THIS PAGE INTENTIONALLY LEFT BLANK

Cachuma Operation & Maintenance Board
Statement of Net Position
As of March 31, 2021
UNAUDITED

| | Mar 31, 21 |
|--|------------------------|
| ASSETS | |
| Current Assets | |
| Checking/Savings | |
| Trust Funds | |
| 1210 · Warren Act Trust Fund | \$ 80,630.72 |
| 1220 · Renewal Fund | 48,739.14 |
| Total Trust Funds | \$ 129,369.86 |
| 1050 · General Fund | 528,256.23 |
| 1100 · Revolving Fund | 425,907.38 |
| Total Checking/Savings | 1,083,533.47 |
| Accounts Receivable | |
| 1301 · Accounts Receivable | 1,570.02 |
| 1325 · Bank Loan Receivable - EPFP | 115,862.54 |
| Total Accounts Receivable | 117,432.56 |
| Other Current Assets | |
| 1010 · Petty Cash | 500.00 |
| 1200 · LAIF | 1,590,811.06 |
| 1303 · Bradbury SOD Act Assessments Receivable | 207,474.00 |
| 1304 · Lauro Dam SOD Assessments Receivable | 31,939.08 |
| 1400 · Prepaid Insurance | 10,178.72 |
| Total Other Current Assets | 1,840,902.86 |
| Total Current Assets | 3,041,868.89 |
| 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) | 886,927.00 |
| 1910 · Long Term Bradbury SOD Act Assessments Receivable | 4,271,329.07 |
| 1920 · LT Lauro SOD Act Assessments Receivable | 772,150.06 |
| 1922 · Deferred Outflow of Resources (GASB 68) | 336,263.00 |
| Total Other Assets | 6,266,669.13 |
| TOTAL ASSETS | \$ 9,492,731.04 |

Cachuma Operation & Maintenance Board
Statement of Net Position
As of March 31, 2021
UNAUDITED

| | Mar 31, 21 |
|---|------------------------|
| LIABILITIES & EQUITY | |
| Liabilities | |
| Current Liabilities | |
| Accounts Payable | |
| 2200 · Accounts Payable | \$ 8,883.64 |
| Total Accounts Payable | 8,883.64 |
| 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 | 151,049.02 |
| 2590 · Deferred Revenue | 129,369.86 |
| 2594 · Deferred Revenue - Assessments | 4,352.50 |
| Total Other Current Liabilities | 771,544.46 |
| Total Current Liabilities | 780,428.10 |
| 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 | 5,565,697.00 |
| 2610 · Net Pension Liability (GASB 68) | 1,893,141.00 |
| 2611 · Deferred Inflow of Resources (GASB 68) | 802,348.00 |
| Total Long Term Liabilities | 13,304,655.13 |
| Total Liabilities | 14,085,083.23 |
| Net Position | |
| 3000 · Opening Balance Net Position | (5,296,580.05) |
| 3901 · Retained Net Assets | (812,284.12) |
| Net Income | 1,516,511.98 |
| Total Net Position | (4,592,352.19) |
| TOTAL LIABILITIES & NET POSITION | \$ 9,492,731.04 |

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

| | Fisheries | | | | Operations | | | | TOTAL | | | |
|--|------------------------|------------------------|--------------------------|--------------|------------------------|------------------------|--------------------------|---------------|------------------------|------------------------|--------------------------|---------------|
| | Jul '20 - Mar 21 | Budget | \$ Over / (Under) Budget | % of Budget | Jul '20 - Mar 21 | Budget | \$ Over / (Under) Budget | % of Budget | Jul '20 - Mar 21 | Budget | \$ Over / (Under) Budget | % of Budget |
| Revenue | | | | | | | | | | | | |
| 3000 REVENUE | | | | | | | | | | | | |
| 3001 · O&M Budget (Qtrly Assessments) | \$ 668,496.00 | \$ 1,001,522.00 | \$ (333,026.00) | 66.75% | \$ 2,985,703.00 | \$ 3,806,921.00 | \$ (821,218.00) | 78.43% | \$ 3,654,199.00 | \$ 4,808,443.00 | \$ (1,154,244.00) | 76.0% |
| 3006 · Warren Act | 77,780.00 | 62,780.00 | 15,000.00 | 123.89% | 0.00 | | | | 77,780.00 | 62,780.00 | 15,000.00 | 123.89% |
| 3007 · Renewal Fund | 164,774.47 | 203,298.00 | -38,523.53 | 81.05% | 0.00 | | | | 164,774.47 | 203,298.00 | -38,523.53 | 81.05% |
| 3009 · EPFP Loan (Qtrly Assessments) | 0.00 | | | | 347,587.64 | 0.00 | 347,587.64 | 100.0% | 347,587.64 | 0.00 | 347,587.64 | 100.0% |
| 3010 · Interest Income | 0.00 | | | | 5,156.47 | 0.00 | 5,156.47 | 100.0% | 5,156.47 | 0.00 | 5,156.47 | 100.0% |
| 3014 · Non-Member Agency Revenue | 24,040.00 | 0.00 | 24,040.00 | 100.0% | 0.00 | | | | 24,040.00 | 0.00 | 24,040.00 | 100.0% |
| 3020 · Misc Income | 0.00 | | | | 250.00 | 0.00 | 250.00 | 100.0% | 250.00 | 0.00 | 250.00 | 100.0% |
| 3035 · Cachuma Project Betterment Fund | 90,000.00 | 90,000.00 | 0.00 | 100.0% | 0.00 | | | | 90,000.00 | 90,000.00 | 0.00 | 100.0% |
| 3042 · Sycamore Cnyn Slope Stabln Reim | 0.00 | | | | 3,736.60 | 0.00 | 3,736.60 | 100.0% | 3,736.60 | 0.00 | 3,736.60 | 100.0% |
| 3043 · Grant-QC Crossing #8 | 43,280.29 | 0.00 | 43,280.29 | 100.0% | 0.00 | | | | 43,280.29 | 0.00 | 43,280.29 | 100.0% |
| Total 3000 REVENUE | \$ 1,068,370.76 | \$ 1,357,600.00 | \$ (289,229.24) | 78.7% | \$ 3,342,433.71 | \$ 3,806,921.00 | \$ (464,487.29) | 87.8% | \$ 4,410,804.47 | \$ 5,164,521.00 | \$ (753,716.53) | 85.41% |
| Expense | | | | | | | | | | | | |
| 3100 · LABOR - OPERATIONS | \$ - | \$ - | \$ - | 0.0% | \$ 585,718.70 | \$ 1,010,140.00 | \$ (424,421.30) | 57.98% | \$ 585,718.70 | \$ 1,010,140.00 | \$ (424,421.30) | 57.98% |
| 3200 VEH & EQUIPMENT | | | | | | | | | | | | |
| 3201 · Vehicle/Equip Mtce | 0.00 | | | | 20,363.45 | 35,000.00 | -14,636.55 | 58.18% | 20,363.45 | 35,000.00 | -14,636.55 | 58.18% |
| 3202 · Fixed Capital | 0.00 | | | | 527.55 | 25,000.00 | -24,472.45 | 2.11% | 527.55 | 25,000.00 | -24,472.45 | 2.11% |
| 3203 · Equipment Rental | 0.00 | | | | 335.00 | 5,000.00 | -4,665.00 | 6.7% | 335.00 | 5,000.00 | -4,665.00 | 6.7% |
| 3204 · Miscellaneous | 0.00 | | | | 4,425.78 | 10,000.00 | -5,574.22 | 44.26% | 4,425.78 | 10,000.00 | -5,574.22 | 44.26% |
| Total 3200 VEH & EQUIPMENT | 0.00 | | | | 25,651.78 | 75,000.00 | -49,348.22 | 34.2% | 25,651.78 | 75,000.00 | -49,348.22 | 34.2% |
| 3300 · CONTRACT LABOR | | | | | | | | | | | | |
| 3301 · Conduit, Meter, Valve & Misc | 0.00 | | | | 11,895.73 | 20,000.00 | -8,104.27 | 59.48% | 11,895.73 | 20,000.00 | -8,104.27 | 59.48% |
| 3302 · Buildings & Roads | 0.00 | | | | 31,089.68 | 20,000.00 | 11,089.68 | 155.45% | 31,089.68 | 20,000.00 | 11,089.68 | 155.45% |
| 3303 · Reservoirs | 0.00 | | | | 16,100.94 | 60,000.00 | -43,899.06 | 26.84% | 16,100.94 | 60,000.00 | -43,899.06 | 26.84% |
| 3304 · Engineering, Misc Services | 0.00 | | | | 9,682.50 | 30,000.00 | -20,317.50 | 32.28% | 9,682.50 | 30,000.00 | -20,317.50 | 32.28% |
| Total 3300 · CONTRACT LABOR | 0.00 | | | | 68,768.85 | 130,000.00 | -61,231.15 | 52.9% | 68,768.85 | 130,000.00 | -61,231.15 | 52.9% |
| 3400 · MATERIALS & SUPPLIES | | | | | | | | | | | | |
| 3401 · Conduit, Meter, Valve & Misc | 0.00 | | | | 28,863.85 | 65,000.00 | -36,136.15 | 44.41% | 28,863.85 | 65,000.00 | -36,136.15 | 44.41% |
| 3402 · Buildings & Roads | 0.00 | | | | 6,291.47 | 8,000.00 | -1,708.53 | 78.64% | 6,291.47 | 8,000.00 | -1,708.53 | 78.64% |
| 3403 · Reservoirs | 0.00 | | | | 1,003.80 | 5,000.00 | -3,996.20 | 20.08% | 1,003.80 | 5,000.00 | -3,996.20 | 20.08% |
| Total 3400 · MATERIALS & SUPPLIES | 0.00 | | | | 36,159.12 | 78,000.00 | -41,840.88 | 46.36% | 36,159.12 | 78,000.00 | -41,840.88 | 46.36% |
| 3500 · OTHER EXPENSES | | | | | | | | | | | | |
| 3501 · Utilities | 0.00 | | | | 4,744.86 | 7,000.00 | -2,255.14 | 67.78% | 4,744.86 | 7,000.00 | -2,255.14 | 67.78% |
| 3502 · Uniforms | 0.00 | | | | 1,894.35 | 5,000.00 | -3,105.65 | 37.89% | 1,894.35 | 5,000.00 | -3,105.65 | 37.89% |
| 3503 · Communications | 0.00 | | | | 9,183.78 | 15,800.00 | -6,616.22 | 58.13% | 9,183.78 | 15,800.00 | -6,616.22 | 58.13% |
| 3504 · USA & Other Services | 0.00 | | | | 2,698.76 | 4,000.00 | -1,301.24 | 67.47% | 2,698.76 | 4,000.00 | -1,301.24 | 67.47% |
| 3505 · Miscellaneous | 0.00 | | | | 8,753.46 | 11,200.00 | -2,446.54 | 78.16% | 8,753.46 | 11,200.00 | -2,446.54 | 78.16% |
| 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 | | | | 27,865.19 | 46,000.00 | -18,134.81 | 60.58% | 27,865.19 | 46,000.00 | -18,134.81 | 60.58% |

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

| | Fisheries | | | | Operations | | | | TOTAL | | | |
|--|------------------|------------------|--------------------------|---------------|-------------------|-------------------|--------------------------|---------------|-------------------|-------------------|--------------------------|---------------|
| | Jul '20 - Mar 21 | Budget | \$ Over / (Under) Budget | % of Budget | Jul '20 - Mar 21 | Budget | \$ Over / (Under) Budget | % of Budget | Jul '20 - Mar 21 | Budget | \$ Over / (Under) Budget | % of Budget |
| 4100 · LABOR - FISHERIES | 515,402.82 | 729,413.00 | -214,010.18 | 70.66% | 0.00 | | | | 515,402.82 | 729,413.00 | -214,010.18 | 70.66% |
| 4200 · VEHICLES & EQUIP - FISHERIES | | | | | | | | | | | | |
| 4270 · Vehicle/Equip Mtce | 16,523.28 | 30,000.00 | -13,476.72 | 55.08% | 0.00 | | | | 16,523.28 | 30,000.00 | -13,476.72 | 55.08% |
| 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 | 18,744.31 | 47,500.00 | -28,755.69 | 39.46% | 0.00 | | | | 18,744.31 | 47,500.00 | -28,755.69 | 39.46% |
| 4220 · CONTRACT LABOR - FISHERIES | | | | | | | | | | | | |
| 4221 · Meters & Valves | 1,943.85 | 3,000.00 | -1,056.15 | 64.8% | 0.00 | | | | 1,943.85 | 3,000.00 | -1,056.15 | 64.8% |
| 4222 · Fish Projects Maintenance | 5,905.16 | 20,000.00 | -14,094.84 | 29.53% | 0.00 | | | | 5,905.16 | 20,000.00 | -14,094.84 | 29.53% |
| Total 4220 · CONTRACT LABOR - FISHERIES | 7,849.01 | 23,000.00 | -15,150.99 | 34.13% | 0.00 | | | | 7,849.01 | 23,000.00 | -15,150.99 | 34.13% |
| 4300 · MATERIALS/SUPPLIES - FISHERIES | | | | | | | | | | | | |
| 4390 · Miscellaneous | 1,614.57 | 7,000.00 | -5,385.43 | 23.07% | 0.00 | | | | 1,614.57 | 7,000.00 | -5,385.43 | 23.07% |
| Total 4300 · MATERIALS/SUPPLIES - FISHERIES | 1,614.57 | 7,000.00 | -5,385.43 | 23.07% | 0.00 | | | | 1,614.57 | 7,000.00 | -5,385.43 | 23.07% |
| 4500 · OTHER EXPENSES - FISHERIES | | | | | | | | | | | | |
| 4502 · Uniforms | 2,069.01 | 3,500.00 | -1,430.99 | 59.12% | 0.00 | | | | 2,069.01 | 3,500.00 | -1,430.99 | 59.12% |
| Total 4500 · OTHER EXPENSES - FISHERIES | 2,069.01 | 3,500.00 | -1,430.99 | 59.12% | 0.00 | | | | 2,069.01 | 3,500.00 | -1,430.99 | 59.12% |
| 4999 · GENERAL & ADMINISTRATIVE | | | | | | | | | | | | |
| 5000 · Director Fees | 0.00 | | | | 4,743.70 | 12,400.00 | -7,656.30 | 38.26% | 4,743.70 | 12,400.00 | -7,656.30 | 38.26% |
| 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 | | | | 52,161.95 | 75,000.00 | -22,838.05 | 69.55% | 52,161.95 | 75,000.00 | -22,838.05 | 69.55% |
| 5101 · Audit | 0.00 | | | | 21,882.25 | 22,750.00 | -867.75 | 96.19% | 21,882.25 | 22,750.00 | -867.75 | 96.19% |
| 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 | | | | 4,712.13 | 5,000.00 | -287.87 | 94.24% | 4,712.13 | 5,000.00 | -287.87 | 94.24% |
| 5311 · Office Equip/Leases | 0.00 | | | | 4,647.10 | 9,700.00 | -5,052.90 | 47.91% | 4,647.10 | 9,700.00 | -5,052.90 | 47.91% |
| 5312 · Misc Admin Expenses | 0.00 | | | | 9,449.03 | 14,000.00 | -4,550.97 | 67.49% | 9,449.03 | 14,000.00 | -4,550.97 | 67.49% |
| 5313 · Communications | 0.00 | | | | 4,028.89 | 6,500.00 | -2,471.11 | 61.98% | 4,028.89 | 6,500.00 | -2,471.11 | 61.98% |
| 5314 · Utilities | 0.00 | | | | 6,242.29 | 9,737.00 | -3,494.71 | 64.11% | 6,242.29 | 9,737.00 | -3,494.71 | 64.11% |
| 5315 · Membership Dues | 0.00 | | | | 10,251.65 | 9,700.00 | 551.65 | 105.69% | 10,251.65 | 9,700.00 | 551.65 | 105.69% |
| 5316 · Admin Fixed Assets | 0.00 | | | | 2,986.29 | 3,000.00 | -13.71 | 99.54% | 2,986.29 | 3,000.00 | -13.71 | 99.54% |
| 5318 · Computer Consultant | 0.00 | | | | 12,550.46 | 16,500.00 | -3,949.54 | 76.06% | 12,550.46 | 16,500.00 | -3,949.54 | 76.06% |
| 5325 · Emp Training/Subscriptions | 0.00 | | | | 292.50 | 2,000.00 | -1,707.50 | 14.63% | 292.50 | 2,000.00 | -1,707.50 | 14.63% |
| 5330 · Admin Travel/Conferences | 0.00 | | | | 0.00 | 2,000.00 | -2,000.00 | 0.0% | 0.00 | 2,000.00 | -2,000.00 | 0.0% |
| 5331 · Public Information | 0.00 | | | | 1,853.11 | 3,500.00 | -1,646.89 | 52.95% | 1,853.11 | 3,500.00 | -1,646.89 | 52.95% |
| Total 4999 · GENERAL & ADMINISTRATIVE | 0.00 | | | | 167,006.31 | 230,713.00 | -63,706.69 | 72.39% | 167,006.31 | 230,713.00 | -63,706.69 | 72.39% |
| 5299 · ADMIN LABOR | 0.00 | | | | 422,953.52 | 602,068.00 | -179,114.48 | 70.25% | 422,953.52 | 602,068.00 | -179,114.48 | 70.25% |
| 5400 · GENERAL & ADMIN - FISHERIES | | | | | | | | | | | | |
| 5407 · Legal - FD | 5,767.25 | 25,000.00 | -19,232.75 | 23.07% | 0.00 | | | | 5,767.25 | 25,000.00 | -19,232.75 | 23.07% |
| 5410 · Postage / Office Supplies | 2,694.95 | 4,000.00 | -1,305.05 | 67.37% | 0.00 | | | | 2,694.95 | 4,000.00 | -1,305.05 | 67.37% |
| 5411 · Office Equipment / Leases | 2,502.31 | 6,518.00 | -4,015.69 | 38.39% | 0.00 | | | | 2,502.31 | 6,518.00 | -4,015.69 | 38.39% |
| 5412 · Misc. Admin Expense | 3,391.13 | 7,500.00 | -4,108.87 | 45.22% | 0.00 | | | | 3,391.13 | 7,500.00 | -4,108.87 | 45.22% |
| 5413 · Communications | 2,169.41 | 4,455.00 | -2,285.59 | 48.7% | 0.00 | | | | 2,169.41 | 4,455.00 | -2,285.59 | 48.7% |
| 5414 · Utilities | 3,361.21 | 5,243.00 | -1,881.79 | 64.11% | 0.00 | | | | 3,361.21 | 5,243.00 | -1,881.79 | 64.11% |
| 5415 · Membership Dues | 6,133.35 | 6,200.00 | -66.65 | 98.93% | 0.00 | | | | 6,133.35 | 6,200.00 | -66.65 | 98.93% |

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

| | Fisheries | | | | Operations | | | | TOTAL | | | |
|---|---------------------------|------------------------|-----------------------------|----------------|------------------------|------------------------|-----------------------------|---------------|------------------------|------------------------|-----------------------------|----------------|
| | Jul '20 - Mar 21 | Budget | \$ Over / (Under) Budget | % of Budget | Jul '20 - Mar 21 | Budget | \$ Over / (Under) Budget | % of Budget | Jul '20 - Mar 21 | Budget | \$ Over / (Under) Budget | % of Budget |
| | 5416 · Admin Fixed Assets | 1,606.99 | 3,000.00 | -1,393.01 | 53.57% | 0.00 | | | | 1,606.99 | 3,000.00 | -1,393.01 |
| 5418 · Computer Consultant | 6,758.94 | 9,000.00 | -2,241.06 | 75.1% | 0.00 | | | | 6,758.94 | 9,000.00 | -2,241.06 | 75.1% |
| 5425 · Employee Education/Subscription | 157.50 | 2,500.00 | -2,342.50 | 6.3% | 0.00 | | | | 157.50 | 2,500.00 | -2,342.50 | 6.3% |
| 5426 · Director Fees | 2,554.30 | 6,700.00 | -4,145.70 | 38.12% | 0.00 | | | | 2,554.30 | 6,700.00 | -4,145.70 | 38.12% |
| 5427 · Director Mileage | 0.00 | 300.00 | -300.00 | 0.0% | 0.00 | | | | 0.00 | 300.00 | -300.00 | 0.0% |
| 5430 · Travel | 8.82 | 2,500.00 | -2,491.18 | 0.35% | 0.00 | | | | 8.82 | 2,500.00 | -2,491.18 | 0.35% |
| 5431 · Public Information | 1,102.83 | 1,500.00 | -397.17 | 73.52% | 0.00 | | | | 1,102.83 | 1,500.00 | -397.17 | 73.52% |
| 5441 · Audit | 11,782.75 | 12,250.00 | -467.25 | 96.19% | 0.00 | | | | 11,782.75 | 12,250.00 | -467.25 | 96.19% |
| 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 | 66,785.60 | 114,411.00 | -47,625.40 | 58.37% | 0.00 | | | | 66,785.60 | 114,411.00 | -47,625.40 | 58.37% |
| 5499 · ADMIN LABOR-FISHERIES | 164,868.26 | 247,776.00 | -82,907.74 | 66.54% | 0.00 | | | | 164,868.26 | 247,776.00 | -82,907.74 | 66.54% |
| 5510 · Integrated Reg. Water Mgt Plan | 0.00 | | | | 2,113.99 | 5,000.00 | -2,886.01 | 42.28% | 2,113.99 | 5,000.00 | -2,886.01 | 42.28% |
| 6000 · SPECIAL PROJECTS | | | | | | | | | | | | |
| 6062 · SCADA | 0.00 | | | | 94,913.08 | 150,000.00 | -55,086.92 | 63.28% | 94,913.08 | 150,000.00 | -55,086.92 | 63.28% |
| 6090 · COMB Office Building | 0.00 | | | | 159,557.96 | 300,000.00 | -140,442.04 | 53.19% | 159,557.96 | 300,000.00 | -140,442.04 | 53.19% |
| 6096 · SCC Structure Rehabilitation | 0.00 | | | | 255,982.60 | 440,000.00 | -184,017.40 | 58.18% | 255,982.60 | 440,000.00 | -184,017.40 | 58.18% |
| 6097 · GIS and Mapping | 0.00 | | | | 6,325.00 | 10,000.00 | -3,675.00 | 63.25% | 6,325.00 | 10,000.00 | -3,675.00 | 63.25% |
| 6100 · Watershed Sanitary Survey | 0.00 | | | | 8,304.12 | 70,000.00 | -61,695.88 | 11.86% | 8,304.12 | 70,000.00 | -61,695.88 | 11.86% |
| 6105 · ROW Management Program | 0.00 | | | | 355.66 | 20,000.00 | -19,644.34 | 1.78% | 355.66 | 20,000.00 | -19,644.34 | 1.78% |
| 6120 · Lake Cachuma Secured Pipeline | 0.00 | | | | 97,908.99 | 300,000.00 | -202,091.01 | 32.64% | 97,908.99 | 300,000.00 | -202,091.01 | 32.64% |
| 6135 · SCC San Jose Creek Pipe Stabili | 0.00 | | | | 1,736.00 | 0.00 | 1,736.00 | 100.0% | 1,736.00 | 0.00 | 1,736.00 | 100.0% |
| 6136 · SCC Isolation Valve Evaluation | 0.00 | | | | 0.00 | 190,000.00 | -190,000.00 | 0.0% | 0.00 | 190,000.00 | -190,000.00 | 0.0% |
| 6137 · SCC Lower Reach Lateral Structu | 0.00 | | | | 10,814.50 | 150,000.00 | -139,185.50 | 7.21% | 10,814.50 | 150,000.00 | -139,185.50 | 7.21% |
| 6138 · Cachuma Watershed Mgmt Study | 0.00 | | | | 14,331.37 | 0.00 | 14,331.37 | 100.0% | 14,331.37 | 0.00 | 14,331.37 | 100.0% |
| Total 6000 · SPECIAL PROJECTS | 0.00 | | | | 650,229.28 | 1,630,000.00 | -979,770.72 | 39.89% | 650,229.28 | 1,630,000.00 | -979,770.72 | 39.89% |
| 6200 · FISHERIES ACTIVITIES | | | | | | | | | | | | |
| 6201 · FMP Implementation | 14,219.45 | 35,000.00 | -20,780.55 | 40.63% | 0.00 | | | | 14,219.45 | 35,000.00 | -20,780.55 | 40.63% |
| 6202 · GIS and Mapping | 3,550.00 | 10,000.00 | -6,450.00 | 35.5% | 0.00 | | | | 3,550.00 | 10,000.00 | -6,450.00 | 35.5% |
| 6205 · USGS Stream Gauge Program | 53,713.62 | 105,000.00 | -51,286.38 | 51.16% | 0.00 | | | | 53,713.62 | 105,000.00 | -51,286.38 | 51.16% |
| 6207 · Oak Tree Restoration Program | 12,464.21 | 25,000.00 | -12,535.79 | 49.86% | 0.00 | | | | 12,464.21 | 25,000.00 | -12,535.79 | 49.86% |
| Total 6200 · FISHERIES ACTIVITIES | 83,947.28 | 175,000.00 | -91,052.72 | 47.97% | 0.00 | | | | 83,947.28 | 175,000.00 | -91,052.72 | 47.97% |
| 6300 · HABITAT ENHANCEMENT | | | | | | | | | | | | |
| 6303 · Tributary Projects Support | 137.92 | 10,000.00 | -9,862.08 | 1.38% | 0.00 | | | | 137.92 | 10,000.00 | -9,862.08 | 1.38% |
| 6315 · Quiota Creek Crossing 8 | 36,640.16 | 0.00 | 36,640.16 | 100.0% | 0.00 | | | | 36,640.16 | 0.00 | 36,640.16 | 100.0% |
| Total 6300 · HABITAT ENHANCEMENT | 36,778.08 | 10,000.00 | 26,778.08 | 367.78% | 0.00 | | | | 36,778.08 | 10,000.00 | 26,778.08 | 367.78% |
| 7007 · INTEREST EXPENSE-EPPP | 0.00 | | | | 9,766.81 | 0.00 | 9,766.81 | 100.0% | 9,766.81 | 0.00 | 9,766.81 | 100.0% |
| Total Expense | \$ 898,058.94 | \$ 1,357,600.00 | \$ (459,541.06) | 66.15% | \$ 1,996,233.55 | \$ 3,806,921.00 | \$ (1,810,687.45) | 52.44% | \$ 2,894,292.49 | \$ 5,164,521.00 | \$ (2,270,228.51) | 56.04% |
| Net Surplus / Deficit | \$ 170,311.82 | \$ - | \$ 170,311.82 | 100.0% | \$ 1,346,200.16 | \$ - | \$ 1,346,200.16 | 100.0% | \$ 1,516,511.98 | \$ - | \$ 1,516,511.98 | 100.0% |

THIS PAGE INTENTIONALLY LEFT BLANK

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|----------------|
| Date: | April 26, 2021 |
| Submitted by: | Janet Gingras |

SUBJECT: Investment Report – March 31, 2021

RECOMMENDATION

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of March 31, 2021.

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 effective yield rate, as of March 2021, is reported at 0.357%.

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 | | 02/28/2021 | \$ 2,395,811.06 |
| (+) Deposits/Credits | | | - |
| (-) Checks/Withdrawals | | | -500.000.00 |
| Statement Balance | | 03/31/2021 | \$ 1,895,811.06 |

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 | 02/28/2021 | \$ 48,739.14 |
| | (+) Deposits/Credits | | - |
| | (-) Checks/Withdrawals | | - |
| | Statement Balance | 03/31/2021 | \$ 48,739.14 |
| American Riviera Bank Warren Act Trust Fund | | | |
| | Previous Balance | 02/28/2021 | \$ 80,630.72 |
| | (+) Deposits/Credits | | - |
| | (-) Checks/Withdrawals | | - |
| | Statement Balance | 03/31/2021 | \$ 80,630.72 |

STATEMENT

The above statement of investment activity for the month of March 2021, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all American Riviera Bank and LAIF investments of this agency for the period indicated.



 Secretary

Cachuma Operation & Maintenance Board
Paid Claims
As of March 31, 2021

| Date | Num | Name | Memo | Amount |
|----------------------------|---------|---|---|---------------|
| 1050 - General Fund | | | | |
| 03/01/2021 | 28341 | American Fisheries Society | American Fisheries Society 2021 Dues | -110.00 |
| 03/01/2021 | 28342 | Cori Hayman | Director Meeting Fees February 2021 | -150.00 |
| 03/01/2021 | 28343 | Cushman Contracting Corp. | EPFP Pumping System - Pay Req #82 | -3,500.00 |
| 03/01/2021 | 28344 | Dig Safe Board | Annual Regulatory Fee (Ops) | -604.51 |
| 03/01/2021 | 28345 | Eurofins Eaton Analytical, LLC | Lake Cachuma Water Quality Sampling | -950.00 |
| 03/01/2021 | 28346 | Famcon Pipe & Supply | South Coast Conduit Material and Supplies (Ops) | -2,071.69 |
| 03/01/2021 | 28347 | Farwest Corrosion Control Co. | Zinc Anode Caps | -765.87 |
| 03/01/2021 | 28348 | Federal Express | Shipping (Ops) | -254.68 |
| 03/01/2021 | 28349 | Frontier Communications | Phone Service - North Portal | -63.47 |
| 03/01/2021 | 28350 | Frontier Communications | Phone Service - Alarm, Fax, Modem, Board Room | -199.43 |
| 03/01/2021 | 28351 | Geosyntec Consultants | Watershed Sanitary Survey Project - Consulting Services | -5,334.37 |
| 03/01/2021 | 28352 | J&C Services | Office Cleaning Service - Weekly 1/29-2/19/21 | -600.00 |
| 03/01/2021 | 28353 | Kristen Sneddon | Director Meeting Fees February 2021 | -150.00 |
| 03/01/2021 | 28354 | Lauren W. Hanson | Director Meeting Fees February 2021 | -150.00 |
| 03/01/2021 | 28355 | McMaster-Carr Supply Co. | Supplies (Ops) | -422.69 |
| 03/01/2021 | 28356 | Musick, Peeler & Garrett LLP | General Counsel January 2021 (Ops & Fisheries) | -15,571.00 |
| 03/01/2021 | 28357 | Paychex, Inc. (Payroll) | Payroll & Payroll Tax Services 2/5/21 & 2/19/21 | -204.60 |
| 03/01/2021 | 28358 | PG&E | Electricity - Tecolote Tunnel | -380.07 |
| 03/01/2021 | 28359 | Polly Holcombe | Director Meeting Fees February 2021 | -128.00 |
| 03/01/2021 | 28360 | Sparkletts | Operations Safety | -62.32 |
| 03/01/2021 | 28361 | Zac Gonzalez Landscaping & Tree Care | Landscape Maintenance February 2021 | -480.00 |
| 03/08/2021 | 28362 | Association of Ca Water Agencies/JPIA | April Health Benefits Premium | -30,783.05 |
| 03/08/2021 | 28363 | City of Santa Barbara-Central Stores | Personal Protective Equipment and Traffic Cones (Ops) | -355.92 |
| 03/08/2021 | 28364 | Cox Communications Santa Barbara | Business Internet March 2021 | -155.41 |
| 03/08/2021 | 28365 | Culligan of Sylmar | RO Rental February 2021 | -30.85 |
| 03/08/2021 | 28366 | Federal Express | Shipping (Ops) | -367.49 |
| 03/08/2021 | 28367 | Harrison Hardware | Supplies (Fisheries) | -112.62 |
| 03/08/2021 | 28368 | OS Systems, Inc. | Dry Suit and Dry Hood (Fisheries) | -859.10 |
| 03/08/2021 | 28369 | Premiere Global Services | Conference Calls January 2021 | -26.62 |
| 03/08/2021 | 28370 | SB Home Improvement Center | Supplies (Ops) | -120.61 |
| 03/08/2021 | 28371 | Southern California Edison | Electricity - Main & Outlying Stations | -1,266.00 |
| 03/08/2021 | 28372 | Staples Business Credit | Office Supplies (Ops & Fisheries) | -602.33 |
| 03/08/2021 | 28373 | Turenchalk Network Services, Inc. | Network Support Billing 2/01/20-2/28/21 | -1,778.20 |
| 03/08/2021 | 28374 | Underground Service Alert of So. Calif. | Ticket Charges & Database Fee | -113.95 |
| 03/09/2021 | 28375 | Home Depot Credit Services | Supplies (Ops & Fisheries) | -293.61 |
| 03/09/2021 | 28376 | Wright Express Fleet Services | Fleet Fuel March 2021 | -3,833.98 |
| 03/15/2021 | 28377 | A-OK Power Equipment-SB | Supplies (Ops) | -65.23 |
| 03/15/2021 | 28378 | All Safe Industries | Safety Harness (Ops) | -447.17 |
| 03/15/2021 | 28379 | Aspect Engineering Group | SCADA Upgrade and Materials PLC 2-6 | -12,405.00 |
| 03/15/2021 | 28380 | AT&T | Long Distance 1/28-02/27/21 | -37.79 |
| 03/15/2021 | 28381 | VOID | VOID | 0.00 |
| 03/15/2021 | 28382 | Bend Genetics, LLC | Lake Cachuma Water Quality Sampling | -40.00 |
| 03/15/2021 | 28383 | Boyd & Associates | Alarm Monitoring | -125.00 |
| 03/15/2021 | 28384 | Cabela's LLC/Bass Pro LLC | Uniforms (Fisheries) | -253.85 |
| 03/15/2021 | 28385 | Carpinteria Valley Lumber Company | Supplies (Ops) | -42.63 |
| 03/15/2021 | 28386 | City of Santa-Barbara | Trash / Recycling February 2020 | -304.75 |
| 03/15/2021 | 28387 | Coastal Copy, LP | Copier Maintenance - Kyocera Taskalpas 3253ci & 6052ci | -120.19 |
| 03/15/2021 | 28388 | County of SB-Public Works Water Agency | IRWM Program MOU Cost Share 7/1-12/31/20 | -2,113.99 |
| 03/15/2021 | 28389 | Cushman Contracting Corp. | COMB AVAR/BO Upgrade Sch F and Hwy 192 Valve Cans Project | -99,189.87 |
| 03/15/2021 | 28390 | ECHO Communications | Message Service March 2021 | -71.00 |
| 03/15/2021 | 28391 | Famcon Pipe & Supply | South Coast Conduit Material and Supplies (Ops) | -1,545.34 |
| 03/15/2021 | 28392 | Flowers & Associates, Inc. | South Coast Conduit Carp Line Valves PSA 20-21-05 - Engineering Services | -1,741.00 |
| 03/15/2021 | 28393 | Grainger | Supplies (Ops) | -174.59 |
| 03/15/2021 | 28394 | Impulse Advanced Communications | Phone Services - Main Office | -457.47 |
| 03/15/2021 | 28395 | Manzanita Nursery | Oak Tree Restoration Program - Seedlings | -447.96 |
| 03/15/2021 | 28396 | MarBorg Industries | Portable Facilities - Outlying Stations (Ops) | -387.92 |
| 03/15/2021 | 28397 | Otis Elevator Company | North Portal Elevator Maintenance - Service 4/1/21-9/30/21 | -3,062.34 |
| 03/15/2021 | 28398 | Perry Ford | 2019 Ford Ranger Oil and Service (Fisheries) | -57.18 |
| 03/15/2021 | 28399 | Southern California Edison | Electricity - Outlying Stations | -29.90 |
| 03/15/2021 | 28400 | Specialty Tool, LTD | Supplies (Ops) | -181.24 |
| 03/15/2021 | 28401 | Verizon Wireless | Cell Phones, Modems & iPads (Ops) | -767.12 |
| 03/15/2021 | 28402 | Winema Industrial & Safety Supply | Respirator Fit Test (Ops) | -375.00 |
| 03/19/2021 | 28403 | Bureau of Reclamation | 2nd Period Entitlement 4/1/21-10/01/21 | -1,142,827.76 |
| 03/21/2021 | 28404 | Atlas Performance Industries, Inc. | Down Payment - Admin/Fisheries Trailer | -139,808.42 |
| 03/25/2021 | 032521A | American Riviera Bank (ARB) | EPFP Loan Payment 1 of 2 | -28,123.75 |
| 03/25/2021 | 032521B | American Riviera Bank (ARB) | EPFP Loan Payment 2 of 2 | -10,354.21 |
| 03/29/2021 | 28405 | American Riviera Bank - Card Service | Website & Domain Hosting, Supplies, Membership & Training (Ops & Fisheries) | -2,869.55 |
| 03/29/2021 | 28406 | Cushman Contracting Corp. | EPFP Pumping System - Pay Req #83 | -3,500.00 |
| 03/29/2021 | 28407 | Famcon Pipe & Supply | South Coast Conduit Materials (Ops) | -65.25 |
| 03/29/2021 | 28408 | FP Mailing Solutions | Postage Meter Rental | -195.75 |
| 03/29/2021 | 28409 | Geosyntec Consultants | Watershed Sanitary Survey Project - Consulting Services | -2,969.75 |
| 03/29/2021 | 28410 | J&C Services | Office Cleaning Service - Weekly 2/26-3/19/21 | -660.00 |
| 03/29/2021 | 28411 | MarBorg Industries | Dumping Fees (Ops) | -20.00 |
| 03/29/2021 | 28412 | O'Reilly Automotive, Inc. | Automotive Supplies (Ops) | -214.54 |
| 03/29/2021 | 28413 | Onset Computer Corporation | Replacement Dissolved Oxygen Sensor Cap (Fisheries) | -696.40 |

Cachuma Operation & Maintenance Board
Paid Claims
As of March 31, 2021

| <u>Date</u> | <u>Num</u> | <u>Name</u> | <u>Memo</u> | <u>Amount</u> |
|---------------------------|------------|-------------------------------|--|-----------------------------|
| 03/29/2021 | 28414 | PG&E | Electricity - North Portal | -363.52 |
| 03/29/2021 | 28415 | Powell Garage | 1999 Chevrolet 6500 Service (Ops) | -878.71 |
| 03/29/2021 | 28416 | Quinn Company | Repair Parking Brake on Cat 420D (Ops) | -960.86 |
| 03/29/2021 | 28417 | Sparkletts | Operations Safety | -62.32 |
| 03/29/2021 | 28418 | Spatial Wave | Field Mapplet Software Maintenance April - June 2021 (Ops) | -925.00 |
| 03/29/2021 | 28419 | The Gas Company | Gas - Main Office | -53.49 |
| 03/29/2021 | 28420 | Total Barricade Service, Inc. | Traffic Control Services (Ops) | -3,122.50 |
| 03/29/2021 | 28421 | Wells Fargo Vendor Fin Serv | Copier Lease - Kyocera Taskalfa 6052ci & 3253ci | -400.21 |
| 03/29/2021 | 28422 | A-OK Power Equipment-SB | Mower Repair (Ops) | -423.71 |
| 03/29/2021 | 28423 | Musick, Peeler & Garrett LLP | General Counsel February 2021 (Ops & Fisheries) | -7,774.00 |
| 03/30/2021 | 28424 | Cushman Contracting Corp. | Hwy 192 Valve Can Project | -47,504.79 |
| Total 1050 - General Fund | | | | <u>-1,592,070.46</u> |
| TOTAL | | | | <u>-1,592,070.46</u> |

Approved for Payment

Director _____

Director _____

Director _____

CACHUMA OPERATION & MAINTENANCE BOARD

Administrative Committee Meeting

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

Thursday, April 15, 2021
11:30 AM

AGENDA

Chair: Director Holcombe
Member: Director Hanson

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. Contracts Executed by the General Manager – 3rd Quarter Fiscal Year 2020-21 (*for information*)
4. Financial Review – 3rd Quarter Fiscal Year 2020-21 (*for information*)
5. 4th Quarter Operating Budget Assessments - Fiscal Year 2020-21 (*for information and possible recommendation*)
6. Adjournment

NOTICE TO THE PUBLIC

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

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

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

CACHUMA OPERATION & MAINTENANCE BOARD

Operations Committee Meeting

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

Thursday, April 22, 2021
1:00 pm

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. Proposed Amendment to the Five-Year Infrastructure Improvement Plan (2021-2025) (*for information and possible recommendation*)
4. Engineering / Operations Projects Update (*for information and possible recommendation*)
 - Climate Conditions
 - Structure Rehabilitation
 - USBR Recommendations
 - Infrastructure Improvement Projects
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.]

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|----------------|
| Date: | April 26, 2021 |
| Submitted by: | Janet Gingras |

SUBJECT: Contracts Executed by the General Manager – 3rd Quarter Fiscal Year 2020-21

RECOMMENDATION:

The Board of Directors receive and file information on the contracts executed by the General Manager for the 3rd Quarter Fiscal Year 2020-21.

SUMMARY:

Pursuant to the COMB Procurement Policy adopted by the Board, a quarterly report of all contracts executed by the General Manager for the period of January 1, 2021 through March 31, 2021 is presented for information.

Under the general procurement guidelines, Section 2 of the COMB Procurement Policy authorizes the General Manager to approve expenditures made for official Agency business up to a maximum of \$25,000, provided such expenditures are within the budget, as adopted by the Agency. Purchases of services less than \$25,000 require a minimum of two price quotes and the General Manager has the authority to select and approve the vendor which meets the best interests of the Agency.

Table 1 below lists all contracts executed by the General Manager for the period January 1, 2021 through March 31, 2021, sorted by execution date.

Table 1
Contracts Executed by General Manager
January 1 - March 31, 2021

| Vendor Name | Contract Description | Board Approved | Date Executed | Date Expires | Contract Amount |
|-----------------------------------|---|----------------|---------------|--------------|-----------------|
| Geosyntec Consultants | Watershed Sanitary Survey | 12/14/2020 | 01/04/2021 | 12/31/2021 | \$54,050 |
| Performance Pipeline Technologies | Goleta West Conduit CCTV Inspection | N/A | 02/10/2021 | 02/16/2021 | \$2,500 |
| Phoenix Civil Engineering, Inc. | Goleta West Conduit Encasement & Pipe Coating Engineer Evaluation | N/A | 02/18/2021 | 06/30/2021 | \$8,700 |

COMMITTEE STATUS:

The Administrative Committee reviewed the contracts executed by the General Manager for the 3rd Quarter of Fiscal Year 2020-21 and forwards to the Board with a recommendation to receive and file.

THIS PAGE INTENTIONALLY LEFT BLANK

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|----------------|
| Date: | April 26, 2021 |
| Submitted by: | Edward Lyons |
| Approved by: | Janet Gingras |

SUBJECT: Financial Review – 3rd Quarter Fiscal Year 2020-21

RECOMMENDATION:

The Board of Directors receive a presentation on the 3rd Quarter Fiscal Year 2020-21 Financial Review and receive and file.

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 Collected

- COMB assessed and collected \$1.57M in quarterly O&M Budget Assessments for the period January – March 2021.
- COMB collected \$1.14M from the Cachuma Project Member Units in pass-through charges related to the US Bureau of Reclamation 2nd Period Entitlement Obligation for the period April 1 – September 30, 2021.
- 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 October – December 2020.
- COMB collected \$90K from the County of Santa Barbara for its annual contribution to the Cachuma Project Betterment Fund.

- COMB collected \$70K from the Warren Act Trust Fund / Renewal Fund for Fisheries and Oak Tree Program related expenses incurred for the period October - December 2021.
- COMB collected \$9k from a non-member agency as reimbursement for 2000 BiOp and Oak Tree Mitigation activities performed during January - March 2021.
- COMB collected \$2K in interest income for funds held with LAIF.

Expenditures To Date (% of Budget Apportioned thru March – 76%)

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 through March total \$233.8K (67.7%). Costs in this category are on trend and generally occur evenly throughout the year.
- General and Administrative Labor includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the COMB General Manager and Administrative staff. General and Administrative Labor expense total \$587.8K (69.2%). 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 \$585.7K (58.0%) are lower than budget due to staff vacancies.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$25.7K (34.2%) 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 \$68.8K (52.9%) are within budget. Notable expenses during the quarter included \$24.6K in contract labor related to the Culvert Replacement Project at Sheffield Control Station.
- Materials and Supplies covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. Actual costs of \$36.2K (46.4%) 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 \$27.9K (60.6%) 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 March were \$652.3K. This amount is attributed to the following projects: South Coast Conduit (SCC) Rehabilitation Project (\$256K), the COMB Office Building (\$159.6k), Lake Cachuma Secured Pipeline (\$97.9K), SCADA (\$94.9K), Lake Cachuma Watershed and Sediment Management Study (\$14.3k), SCC Lower Reach Lateral Structure Repair (\$10.8K) and Lake Cachuma Watershed Sanitary Project (\$8.3K). 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 \$2M (52.2%) through March are within budget.**
- **The projected annualized Operations Division expenses of \$2.8M (73.2%) for FY 2020-21 are within budget as reflected in Table 2 below:**

| Operations Division | | | | | | | | |
|----------------------------|------------|------------|--------------|------------|--------------|--------------|----------------|--------|
| | Actual | Actual | Actual | Budget | Annual | Annual | Over / (Under) | % of |
| | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Projected | Budget | Budget (\$) | Budget |
| Revenue | | | | | | | | |
| Revenue | \$ 781,911 | \$ 886,026 | \$ 1,326,909 | \$ 798,836 | \$ 3,793,682 | \$ 3,806,921 | \$ (13,239) | 99.7% |
| Expense | | | | | | | | |
| General and Admin Expenses | 57,605 | 49,232 | 60,169 | 43,659 | 210,666 | 230,713 | (20,047) | 91.3% |
| General and Admin Labor | 143,522 | 142,808 | 136,623 | 150,517 | 573,470 | 602,068 | (28,598) | 95.3% |
| O&M Labor | 191,708 | 200,006 | 194,005 | 252,535 | 838,254 | 1,010,140 | (171,886) | 83.0% |
| O&M Vehicle & Equip | 6,564 | 5,881 | 13,207 | 18,750 | 44,402 | 75,000 | (30,598) | 59.2% |
| O&M Contract Labor | 15,518 | 14,740 | 38,510 | 32,500 | 101,269 | 130,000 | (28,731) | 77.9% |
| O&M Material and Supplies | 6,826 | 11,691 | 17,642 | - | 36,159 | 78,000 | (41,841) | 46.4% |
| O&M Other Expenses | 8,006 | 9,948 | 9,911 | 13,375 | 41,240 | 46,000 | (4,760) | 89.7% |
| O&M Special Projects | 174,551 | 99,387 | 378,405 | 287,500 | 939,843 | 1,635,000 | (695,157) | 57.5% |
| Total Expense | \$ 604,301 | \$ 533,694 | \$ 848,473 | \$ 798,836 | \$ 2,785,303 | \$ 3,806,921 | \$ (1,021,618) | 73.2% |
| Net Surplus / (Deficit) | \$ 177,611 | \$ 352,332 | \$ 478,437 | \$ - | \$ 1,008,379 | \$ - | \$ 1,008,379 | |

(*) Results are unaudited and subject to change.

Fisheries Division

- **Fisheries Division Labor** includes salaries, employer-paid payroll taxes, health insurance and retirement benefit costs for the Fisheries Division Manager, two Senior Field Biologists, a Biologist Aide position, and four part-time seasonal positions. Personnel costs of \$515.4K (70.7%) are on trend and generally occur evenly throughout the year.
- **Vehicles & Equipment** includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Year to date actual costs of \$18.7K (39.5%) 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 \$7.8K (34.1%) 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 \$1.6K (23.1%) are within budget.
- **Other Expenses** include funds to pay for uniforms and gear for the fisheries division employees. Actual costs of \$2.1K (59.1%) 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 \$83.9K (48.0%) are within the apportioned budget.

- **Fisheries Habitat Improvement** - Board policy requires that all habitat improvement projects be approved through Committee and by the Board prior to commencement. Costs of \$36.8K through December are related mainly to the South Side Erosion Control and Reforestation Project at Quiota Creek Crossing 8 project. COMB received grant reimbursement of approximately \$43.3K from the National Fish and Wildlife Foundation to offset contract costs and staff labor for this project.
- **The total Fisheries Division expenses of \$898K (66.2%) through December are within budget.**
- **The projected annualized Fisheries Division expenses of \$1.2M (90.7%) for FY 2020-21 are within budget as reflected in Table 3 below:**

Fisheries Division

| | Actual | Actual | Actual | Budget | Annual | Annual | Over/(Under) | % of |
|---------------------------------|-------------|------------|------------|------------|--------------|--------------|--------------|--------|
| | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Projected | Budget | Budget (\$) | Budget |
| Revenue | | | | | | | | |
| Revenue | \$ 296,742 | \$ 362,607 | \$ 409,021 | \$ 333,026 | \$ 1,401,397 | \$ 1,357,600 | \$ 43,797 | 103.2% |
| Expense | | | | | | | | |
| General and Admin Expenses | 29,218 | 19,464 | 18,104 | 21,104 | 87,890 | 114,411 | (26,521) | 76.8% |
| General and Admin Labor | 51,923 | 59,215 | 53,730 | 61,944 | 226,812 | 247,776 | (20,964) | 91.5% |
| Fisheries Labor | 164,796 | 180,149 | 170,458 | 182,353 | 697,756 | 729,413 | (31,657) | 95.7% |
| Fisheries Vehicle & Equip | 6,894 | 3,876 | 7,975 | 11,875 | 30,619 | 47,500 | (16,881) | 64.5% |
| Fisheries Contract Labor | 1,247 | 5,324 | 1,277 | 750 | 8,599 | 23,000 | (14,401) | 37.4% |
| Fisheries Material and Supplies | 239 | 549 | 826 | 1,750 | 3,365 | 7,000 | (3,635) | 48.1% |
| Fisheries Other Expenses | 310 | 469 | 1,290 | 2,000 | 4,069 | 3,500 | 569 | 116.3% |
| Fisheries Activities | 21,809 | 9,015 | 53,124 | 48,750 | 132,697 | 175,000 | (42,303) | 75.8% |
| Fisheries Habitat Enhancement | 31,769 | 4,482 | 526 | 2,500 | 39,278 | 10,000 | 29,278 | 392.8% |
| Total Expense | \$ 308,206 | \$ 282,543 | \$ 307,310 | \$ 333,026 | \$ 1,231,085 | \$ 1,357,600 | \$ (126,515) | 90.7% |
| Net Surplus / (Deficit) | \$ (11,464) | \$ 80,064 | \$ 101,712 | \$ - | \$ 170,312 | \$ - | \$ 170,312 | |

(*) Results are unaudited and subject to change.

Restricted Funds and Obligations

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

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

COMB collected \$43K of Warren Act Trust Fund payments from CCWA for SWP deliveries that occurred in calendar year 2020. These funds will be reviewed and approved at the upcoming annual Cachuma Project Warren Act Trust Fund / Renewal Fund meeting for use in FY 2021-22.

- **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 Warren 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 |

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

For WY 2021-22, COMB projects that the amount to be deposited into the Renewal Fund by the Cachuma Project Member Units to be \$220,175 based on actual deliveries for 2020.

- **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 March 31, 2021, the total combined principal outstanding for the EPFP loan obligation is approximately \$151K.

- **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 \$47,404. COMB assesses the COMB Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

COMMITTEE STATUS:

The Administrative Committee received a presentation on the 3rd Quarter Fiscal Year 2020-21 Financial Review and forwards to the Board of Directors with a recommendation to receive and file.

LIST OF EXHIBITS:

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

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

| | Fisheries | | | | Operations | | | | TOTAL | | | |
|--------------------------------------|----------------------|---------------------|--------------------------|--------------|------------------------|---------------------|--------------------------|--------------|------------------------|---------------------|--------------------------|--------------|
| | Jul-Mar 21 | Annual Budget | \$ Over / (Under) Budget | % of Budget | Jul-Mar 21 | Annual Budget | \$ Over / (Under) Budget | % of Budget | Jul-Mar 21 | Budget | \$ Over / (Under) Budget | % of Budget |
| Revenue | | | | | | | | | | | | |
| Revenue | \$ 1,068,370.76 | \$ 1,357,600.00 | \$ (289,229.24) | 78.7% | \$ 2,994,846.07 | \$ 3,806,921.00 | \$ (812,074.93) | 78.7% | \$ 4,063,216.83 | \$ 5,164,521.00 | \$ (1,101,304.17) | 78.7% |
| Total Revenue | 1,068,370.76 | 1,357,600.00 | (289,229.24) | 78.7% | 2,994,846.07 | 3,806,921.00 | (812,074.93) | 78.7% | 4,063,216.83 | 5,164,521.00 | (1,101,304.17) | 78.7% |
| Expense | | | | | | | | | | | | |
| General and Admin Expenses | 66,785.60 | 114,411.00 | (47,625.40) | 58.4% | 167,006.31 | 230,713.00 | (63,706.69) | 72.4% | 233,791.91 | 345,124.00 | (111,332.09) | 67.7% |
| General and Admin Labor | 164,868.26 | 247,776.00 | (82,907.74) | 66.5% | 422,953.52 | 602,068.00 | (179,114.48) | 70.3% | 587,821.78 | 849,844.00 | (262,022.22) | 69.2% |
| O&M Labor | - | - | - | - | 585,718.70 | 1,010,140.00 | (424,421.30) | 58.0% | 585,718.70 | 1,010,140.00 | (424,421.30) | 58.0% |
| O&M Vehicle & Equip | - | - | - | - | 25,651.78 | 75,000.00 | (49,348.22) | 34.2% | 25,651.78 | 75,000.00 | (49,348.22) | 34.2% |
| O&M Contract Labor | - | - | - | - | 68,768.85 | 130,000.00 | (61,231.15) | 52.9% | 68,768.85 | 130,000.00 | (61,231.15) | 52.9% |
| O&M Material and Supplies | - | - | - | - | 36,159.12 | 78,000.00 | (41,840.88) | 46.4% | 36,159.12 | 78,000.00 | (41,840.88) | 46.4% |
| O&M Other Expenses | - | - | - | - | 27,865.19 | 46,000.00 | (18,134.81) | 60.6% | 27,865.19 | 46,000.00 | (18,134.81) | 60.6% |
| O&M Special Projects | - | - | - | - | 652,343.27 | 1,635,000.00 | (982,656.73) | 39.9% | 652,343.27 | 1,635,000.00 | (982,656.73) | 39.9% |
| Fisheries Labor | 515,402.82 | 729,413.00 | (214,010.18) | 70.7% | - | - | - | - | 515,402.82 | 729,413.00 | (214,010.18) | 70.7% |
| Fisheries Vehicle & Equip | 18,744.31 | 47,500.00 | (28,755.69) | 39.5% | - | - | - | - | 18,744.31 | 47,500.00 | (28,755.69) | 39.5% |
| Fisheries Contract Labor | 7,849.01 | 23,000.00 | (15,150.99) | 34.1% | - | - | - | - | 7,849.01 | 23,000.00 | (15,150.99) | 34.1% |
| Fisheries Material and Supplies | 1,614.57 | 7,000.00 | (5,385.43) | 23.1% | - | - | - | - | 1,614.57 | 7,000.00 | (5,385.43) | 23.1% |
| Fisheries Other Expenses | 2,069.01 | 3,500.00 | (1,430.99) | 59.1% | - | - | - | - | 2,069.01 | 3,500.00 | (1,430.99) | 59.1% |
| Fisheries Activities | 83,947.28 | 175,000.00 | (91,052.72) | 48.0% | - | - | - | - | 83,947.28 | 175,000.00 | (91,052.72) | 48.0% |
| Fisheries Habitat Enhancement | 36,778.08 | 10,000.00 | 26,778.08 | 367.8% | - | - | - | - | 36,778.08 | 10,000.00 | 26,778.08 | 367.8% |
| Other Interest Expense - EPFP | - | - | - | - | - | - | - | - | - | - | - | 0.0% |
| Total Expense | 898,058.94 | 1,357,600.00 | (459,541.06) | 66.2% | 1,986,466.74 | 3,806,921.00 | (1,820,454.26) | 52.2% | 2,884,525.68 | 5,164,521.00 | (2,279,995.32) | 55.9% |
| Surplus / (Deficit) - O&M | \$ 170,311.82 | \$ - | \$ 170,311.82 | | \$ 1,008,379.33 | \$ - | \$ 1,008,379.33 | | \$ 1,178,691.15 | \$ - | \$ 1,178,691.15 | |
| Pass Thru Charges | | | | | | | | | | | | |
| EPFP Loan - Assessments | - | - | - | - | 347,587.64 | - | 347,587.64 | N/A | 347,587.64 | - | 347,587.64 | N/A |
| EPFP Loan - Interest Expense | - | - | - | - | (9,766.81) | - | (9,766.81) | N/A | (9,766.81) | - | (9,766.81) | N/A |
| Sub Total Pass Thru Charges | \$ - | \$ - | \$ - | | \$ 337,820.83 | \$ - | \$ 337,820.83 | N/A | \$ 337,820.83 | \$ - | \$ 337,820.83 | N/A |
| Net Surplus / (Deficit) | \$ 170,311.82 | \$ - | \$ 170,311.82 | | \$ 1,346,200.16 | \$ - | \$ 1,346,200.16 | N/A | \$ 1,516,511.98 | \$ - | \$ 1,516,511.98 | N/A |

(*) Results are unaudited and subject to change.

THIS PAGE INTENTIONALLY LEFT BLANK

Cachuma Operation & Maintenance Board

Financial Review – 3rd Quarter
Fiscal Year 2020-21



Financial Review

Revenues Collected – 3rd Quarter

| | |
|--|---------------------|
| COMB O&M Budget Assessment (Jan - Mar 2021) | \$ 1,565,700 |
| USBR Entitlement Obligation (Apr 2021 - Sep 2021) | 1,142,800 |
| EPFP Loan Assessment | 115,800 |
| Cachuma Project Betterment Fund | 90,000 |
| Warren Act Trust Fund / Renewal Fund Reimbursement (Oct - Dec 2020) | 70,000 |
| 2000 BiOp and Oak Tree Mitigation Reimbursement | 9,000 |
| Interest Income | 2,200 |
| Total Revenues | \$ 2,995,500 |

Financial Review

Operations Division

| | Jul - Mar (YTD) | Annual Budget | Over / (Under) Budget (\$) | % of Budget |
|--------------------------------|---------------------|---------------------|-------------------------------|---------------|
| Revenue | | | | |
| Revenue | \$ 2,994,846 | \$ 3,806,921 | \$ (812,075) | 78.7% |
| Expense | | | | |
| General and Admin Expenses | 167,006 | 230,713 | (63,707) | 72.4% |
| General and Admin Labor | 422,954 | 602,068 | (179,114) | 70.3% |
| O&M Labor | 585,719 | 1,010,140 | (424,421) | 58.0% |
| O&M Vehicle & Equip | 25,652 | 75,000 | (49,348) | 34.2% |
| O&M Contract Labor | 68,769 | 130,000 | (61,231) | 52.9% |
| O&M Material and Supplies | 36,159 | 78,000 | (41,841) | 46.4% |
| O&M Other Expenses | 27,865 | 46,000 | (18,135) | 60.6% |
| O&M Special Projects | 652,343 | 1,635,000 | (982,657) | 39.9% |
| Total Expense | \$ 1,986,467 | \$ 3,806,921 | \$ (1,820,454) | 52.2% |
| Net Surplus / (Deficit) | \$ 1,008,379 | \$ - | \$ 1,008,379 | 100.0% |

(*) Results are unaudited and subject to change.

Financial Review

Operations Division

| | Actual Jul-Sep | Actual Oct-Dec | Actual Jan-Mar | Budget Apr-Jun | Annual Projected | Annual Budget | Over / (Under) Budget (\$) | % of Budget |
|--------------------------------|-------------------|-------------------|-------------------|-------------------|---------------------|------------------|-------------------------------|----------------|
| Revenue | | | | | | | | |
| Revenue | \$ 781,911 | \$ 886,026 | \$ 1,326,909 | \$ 798,836 | \$ 3,793,682 | \$ 3,806,921 | \$ (13,239) | 99.7% |
| Expense | | | | | | | | |
| General and Admin Expense | 57,605 | 49,232 | 60,169 | 43,659 | 210,666 | 230,713 | (20,047) | 91.3% |
| General and Admin Labor | 143,522 | 142,808 | 136,623 | 150,517 | 573,470 | 602,068 | (28,598) | 95.3% |
| O&M Labor | 191,708 | 200,006 | 194,005 | 252,535 | 838,254 | 1,010,140 | (171,886) | 83.0% |
| O&M Vehicle & Equip | 6,564 | 5,881 | 13,207 | 18,750 | 44,402 | 75,000 | (30,598) | 59.2% |
| O&M Contract Labor | 15,518 | 14,740 | 38,510 | 32,500 | 101,269 | 130,000 | (28,731) | 77.9% |
| O&M Material and Supplies | 6,826 | 11,691 | 17,642 | - | 36,159 | 78,000 | (41,841) | 46.4% |
| O&M Other Expenses | 8,006 | 9,948 | 9,911 | 13,375 | 41,240 | 46,000 | (4,760) | 89.7% |
| O&M Special Projects | 174,551 | 99,387 | 378,405 | 287,500 | 939,843 | 1,635,000 | (695,157) | 57.5% |
| Total Expense | \$ 604,301 | \$ 533,694 | \$ 848,473 | \$ 798,836 | \$ 2,785,303 | \$ 3,806,921 | \$ (1,021,618) | 73.2% |
| Net Surplus / (Deficit) | \$ 177,611 | \$ 352,332 | \$ 478,437 | \$ - | \$ 1,008,379 | \$ - | \$ 1,008,379 | |

(*) Results are unaudited and subject to change.

Financial Review

| | Fisheries Division | | | |
|---------------------------------|--------------------|---------------------|-------------------------------|---------------|
| | Jul-Mar (YTD) | Annual Budget | Over / (Under) Budget (\$) | % of Budget |
| Revenue | | | | |
| Revenue | \$ 1,068,371 | \$ 1,357,600 | \$ (289,229) | 78.7% |
| Expense | | | | |
| General and Admin Expenses | 66,786 | 114,411 | (47,625) | 58.4% |
| General and Admin Labor | 164,868 | 247,776 | (82,908) | 66.5% |
| Fisheries Labor | 515,403 | 729,413 | (214,010) | 70.7% |
| Fisheries Vehicle & Equip | 18,744 | 47,500 | (28,756) | 39.5% |
| Fisheries Contract Labor | 7,849 | 23,000 | (15,151) | 34.1% |
| Fisheries Material and Supplies | 1,615 | 7,000 | (5,385) | 23.1% |
| Fisheries Other Expenses | 2,069 | 3,500 | (1,431) | 59.1% |
| Fisheries Activities | 83,947 | 175,000 | (91,053) | 48.0% |
| Fisheries Habitat Enhancement | 36,778 | 10,000 | 26,778 | 367.8% |
| Total Expense | \$ 898,059 | \$ 1,357,600 | \$ (459,541) | 66.2% |
| Net Surplus / (Deficit) | \$ 170,312 | \$ - | \$ 170,312 | 100.0% |

(*) Results are unaudited and subject to change.

Financial Review

Fisheries Division

| | Actual Jul-Sep | Actual Oct-Dec | Actual Jan-Mar | Budget Apr-Jun | Annual Projected | Annual Budget | Over/(Under) Budget (\$) | % of Budget |
|---------------------------------|--------------------|-------------------|-------------------|-------------------|---------------------|---------------------|-----------------------------|----------------|
| Revenue | | | | | | | | |
| Revenue | \$ 296,742 | \$ 362,607 | \$ 409,021 | \$ 333,026 | \$ 1,401,397 | \$ 1,357,600 | \$ 43,797 | 103.2% |
| Expense | | | | | | | | |
| General and Admin Expenses | 29,218 | 19,464 | 18,104 | 21,104 | 87,890 | 114,411 | (26,521) | 76.8% |
| General and Admin Labor | 51,923 | 59,215 | 53,730 | 61,944 | 226,812 | 247,776 | (20,964) | 91.5% |
| Fisheries Labor | 164,796 | 180,149 | 170,458 | 182,353 | 697,756 | 729,413 | (31,657) | 95.7% |
| Fisheries Vehicle & Equip | 6,894 | 3,876 | 7,975 | 11,875 | 30,619 | 47,500 | (16,881) | 64.5% |
| Fisheries Contract Labor | 1,247 | 5,324 | 1,277 | 750 | 8,599 | 23,000 | (14,401) | 37.4% |
| Fisheries Material and Supplies | 239 | 549 | 826 | 1,750 | 3,365 | 7,000 | (3,635) | 48.1% |
| Fisheries Other Expenses | 310 | 469 | 1,290 | 2,000 | 4,069 | 3,500 | 569 | 116.3% |
| Fisheries Activities | 21,809 | 9,015 | 53,124 | 48,750 | 132,697 | 175,000 | (42,303) | 75.8% |
| Fisheries Habitat Enhancement | 31,769 | 4,482 | 526 | 2,500 | 39,278 | 10,000 | 29,278 | 392.8% |
| Total Expense | \$ 308,206 | \$ 282,543 | \$ 307,310 | \$ 333,026 | \$ 1,231,085 | \$ 1,357,600 | \$ (126,515) | 90.7% |
| Net Surplus / (Deficit) | \$ (11,464) | \$ 80,064 | \$ 101,712 | \$ - | \$ 170,312 | \$ - | \$ 170,312 | |

(*) Results are unaudited and subject to change.

Financial Review

Upcoming Deliverables – Administrative Division

- **Finalize COMB O&M Budget for FY 2021-22**
- **Prepare for Year End Close and Annual Audit**
- **Upgrade COMB Telephone and Security Alarm Systems**
- **Prepare for COMB Building Replacement**
- **Advancement of Board Policies and Internal Procedures**

THIS PAGE INTENTIONALLY LEFT BLANK

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|----------------------------|
| Date: | April 26, 2021 |
| Submitted by: | Joel Degner / Elijah Papen |
| Approved by: | Janet Gingras |

SUBJECT: Resolution No. 724 - Proposed Amendment to the 2021-2025 Infrastructure Improvement Plan (IIP)

RECOMMENDATION:

The Board of Directors receive information on the proposed amendment to the COMB 2021-2025 Five-Year Infrastructure Improvement Plan and approve and adopt resolution No. 724 amending the Plan.

SUMMARY:

Staff, in coordination with COMB Member Agency technical staff, developed a Five-Year Infrastructure Improvement Plan (IIP) for purposes of planning and forecasting essential capital improvements within the South Coast Conduit system. The COMB 2021-2025 Five-Year IIP was approved by the Board of Directors through Resolution No. 704 in February 2020. Staff has completed a portion of the stated necessary improvements during the past two fiscal years.

The proposed amendments to the current IIP are being requested primarily due to preparation for extended drought conditions which has shifted budget expenditure priorities. In addition, projected construction costs on the secured pipeline project have incrementally increased from original estimates based on completed engineering designs. A shift in schedule for completion of rehabilitation projects has also impacted the matrix due to limitations for COMB to perform a shutdown to address previously planned rehabilitation work in the lower reach of the system. Further, new information from Carpinteria Valley Water District (CVWD) on their intent to offset COMB costs (through a cooperative agreement) associated with the lower reach lateral project has resulted in revising the IIP original strategy.

Water Year 2020-21 is 51 percent of normal and the 10-year average rainfall for Santa Barbara County is the lowest ever recorded according to the County. For planning and budgeting purposes, staff is proposing to shift all categories of project priorities, including partially completed projects, and adjust the IIP projected costs accordingly to prepare for continued dry conditions. This will be the first revision to the COMB approved Five-Year IIP which will occur each year prior to the annual budget preparation. The annual review provides COMB with the flexibility to re-evaluate and reprioritize critical projects as conditions change.

BACKGROUND:

The IIP was developed through an organized process which included a schedule containing deliverable dates and planning meetings with Member Agency technical staff. The IIP formalizes the strategy for implementation of capital projects and programs needed to carry out the goals and policy objectives of the Board. The IIP is organized and structured to identify and prioritize rehabilitation projects necessary to protect, improve, and sustain a reliable source of water conveyed from the Cachuma Project to the South Coast communities of Santa Barbara County.

The IIP spans a five-year planning horizon, and is updated prior to the annual budget presentation and submitted to the Operations Committee for review and comment. Following Committee review and

recommendations, the IIP and its annual amendments will be presented to the Board of Directors for final approval.

Projects outlined in the IIP have been identified based on U.S. Bureau of Reclamation (Reclamation) inspection recommendations, COMB asset inventory analysis, staff observations and recommendations. The identification of a project within the five-year plan does not guarantee construction. The initiation of any project requires evaluation and approvals that must be completed for a project to advance to design and ultimate construction. Additionally, the Board of Directors has the ongoing ability to review and revise projects based upon unforeseen conditions, priorities, and financial resources.

The current IIP outlines scheduled projects over a five-year period from fiscal years 2021-2025. During the past 2 fiscal years, approximately \$2.3M in capital improvements related to IIP projects have been completed including:

- 1) SCADA and Flow meter upgrades
- 2) SCC Structure Rehabilitation – AVAR and BO Valve replacement
- 3) San Jose Creek Pipe Stabilization Project
- 4) Sycamore Canyon Slope Stabilization Project
- 5) Secured Pipeline Project Design
- 6) Modular Office Building Replacement
- 7) Water Quality and Sediment Management Plan
- 8) Lake Cachuma Water Quality Buoy

The proposed amendments to the IIP are primarily based on preparation over the next three fiscal years for extended drought conditions. In order to maintain a capital budget expenditure balance, projects originally scheduled for this current five-year IIP period (2021–2025) have now been shifted to accommodate projected expenditures affiliated with implementing the emergency pumping facility project (EPFP) and secured pipeline project and associated operational costs. The EPFP and secured pipeline projects are considered critical during drought periods for the continued delivery of Cachuma project and or/state water supplies allocated to the Member Agencies.

Construction estimates contained within the completed engineering designs for the secured pipeline project were slightly higher than originally projected. As mentioned in previous memorandums, the long-term costs associated with construction and operation of the secured pipeline will be considerably reduced as compared to installing temporary pilings and conveyance pipeline during imminent drought conditions. In keeping the total IIP projected costs within a no change matrix, some priority 3 and 4 projects have been shifted to FY 2025-26, the costs of which are not shown in the proposed revised matrix.

CVWD has proposed to enter into a cooperative agreement with COMB to pay for the rehabilitation of the lateral structures in the lower reach of the system. CVWD has proposed to financially participate in rehabilitating the laterals in collaboration with COMB installing two (2) isolation valves on the SCC. The initial proposed approach has been approved by the COMB Board (letter agreement for engineering designs) and will 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. A cooperative agreement is being developed and will be presented to each Board for approval during the next few months.

The lower reach lateral rehabilitation costs are shown in the IIP matrix with corresponding offset funding provided by CVWD. Accordingly, this project is not shown in the proposed draft Fiscal Year 2021-22 COMB Operating Budget.

Future annual IIP reviews will incorporate the scheduling of capital expenditures associated with changing conditions such as rainfall events, higher lake levels, and any potential available grant funding offsets.

The following two tables display the originally adopted 2021-2025 IIP planning matrix and the proposed revised 2021-2025 IIP planning matrix.

Adopted IIP (2021-2025)

| | Project ID | Project Name | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 5-yr Total | |
|----------|------------|--------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Priority | 1 | 2012-1-A | SCC AVAR Valve Replacement/Relocation | \$240,000 | \$130,000 | | | \$370,000 | |
| | 2 | 2004-2-I | SCC Blow-Off Nozzle/Valve Replacement | \$200,000 | \$160,000 | | | \$360,000 | |
| | | 2004-2-B | Rehabilitate SCC Lateral Structures | \$150,000 | \$150,000 | \$100,000 | | \$400,000 | |
| | | 2014-C-61 | SCADA Upgrades | \$150,000 | \$150,000 | \$100,000 | | \$400,000 | |
| | | 2019-C-1 | Lake Cachuma EPF Pump Station (if required) | | | | \$1,125,000 | \$1,125,000 | \$2,250,000 |
| | 3 | 2018-C-1 | Lake Cachuma EPF Secured Pipeline Project | \$300,000 | \$1,725,000 | | | \$2,025,000 | |
| | | 2019-C-2 | Modular Office Building Replacement | \$300,000 | | | | \$300,000 | |
| | | 2018-C-2 | SCC Line Valve in Montecito Section for Repairs | \$190,000 | | | | \$190,000 | |
| | | 2019-C-3 | Lake Cachuma Water Quality and Evaporation Buoy | \$100,000 | | \$60,000 | | \$160,000 | |
| | | 2013-C-1 | North Portal Jet Flow Control Valve Replacement | | | \$300,000 | | \$300,000 | |
| | | 2019-C-4 | Critical Control Valve Replacement | | | \$100,000 | \$150,000 | \$150,000 | \$400,000 |
| | | 2013-C-1 | Meter Replacement Program | | | \$100,000 | | \$100,000 | \$200,000 |
| | 4 | 2007-2-B | Sheffield Tunnel Evaluation and Repair | | | \$200,000 | \$200,000 | \$400,000 | |
| | | 2013-2-C | Lauro Reservoir Intake Assessment and Repair | | | \$130,000 | | \$130,000 | |
| | | 2016-C-1 | North Portal Intake Tower Seismic Assessment | | | \$100,000 | | \$100,000 | |
| | | 1999-2-A | Tecolote Tunnel Concrete Deterioration Investigation | | | \$100,000 | | \$100,000 | |
| | | | Subtotal | \$1,630,000 | \$2,315,000 | \$1,290,000 | \$1,475,000 | \$1,375,000 | \$8,085,000 |
| | | | Grant Funding | | (\$750,000) | | | | (\$750,000) |
| | | | Proposed CVWD Funding | | | | | | |
| | | Total | \$1,630,000 | \$1,565,000 | \$1,290,000 | \$1,475,000 | \$1,375,000 | \$7,335,000 | |

Proposed Revised IIP (2021-2025)

| | Project ID | Project Name | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 5-yr Total | |
|----------|------------|--------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Priority | 1 | 2012-1-A | SCC AVAR Valve Replacement/Relocation | \$90,000 | \$190,000 | \$0 | \$0 | \$40,000 | \$320,000 |
| | 2 | 2004-2-I | SCC Blow-Off Nozzle/Valve Replacement | \$90,000 | \$200,000 | \$0 | \$0 | \$120,000 | \$410,000 |
| | | 2004-2-B | Rehabilitate SCC Lateral Structures | \$85,000 | \$300,000 | \$300,000 | \$0 | \$0 | \$685,000 |
| | | 2014-C-61 | SCADA Upgrades | \$150,000 | \$150,000 | \$0 | \$0 | \$0 | \$300,000 |
| | | 2019-C-1 | Lake Cachuma EPF Pump Station (if required) | \$0 | \$0 | \$1,850,000 | \$1,225,000 | \$0 | \$3,075,000 |
| | 3 | 2018-C-1 | Lake Cachuma EPF Secured Pipeline Project | \$152,000 | \$352,000 | \$2,400,000 | \$0 | \$0 | \$2,904,000 |
| | | 2019-C-2 | Modular Office Building Replacement | \$175,000 | \$216,000 | \$0 | \$0 | \$0 | \$391,000 |
| | | 2018-C-2 | SCC Line Valve in Carpinteria for Repairs | \$0 | \$400,000 | \$0 | \$0 | \$450,000 | \$850,000 |
| | | 2019-C-3 | Lake Cachuma Water Quality and Evaporation Buoy | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | 2013-C-1 | North Portal Jet Flow Control Valve Replacement | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | 2019-C-4 | Critical Control Valve Replacement | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | 2013-C-1 | Meter Replacement Program | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | 4 | 2007-2-B | Sheffield Tunnel Evaluation and Repair | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | 2013-2-C | Lauro Reservoir Intake Assessment and Repair | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | 2016-C-1 | North Portal Intake Tower Seismic Assessment | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | 1999-2-A | Tecolote Tunnel Concrete Deterioration Investigation | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | | Subtotal | \$742,000 | \$1,808,000 | \$4,550,000 | \$1,225,000 | \$610,000 | \$8,935,000 |
| | | | Grant Funding | | | (\$750,000) | | | (\$750,000) |
| | | | Proposed CVWD Funding | | (\$300,000) | (\$300,000) | | (\$250,000) | (\$850,000) |
| | | Total | \$742,000 | \$1,508,000 | \$3,500,000 | \$1,225,000 | \$360,000 | \$7,335,000 | |

| | | | | | | |
|---------|-------------|-------------|-------------|-------------|---------------|-------------|
| Adopted | \$1,630,000 | \$1,565,000 | \$1,290,000 | \$1,475,000 | \$1,375,000 | \$7,335,000 |
| Change | (\$888,000) | (\$57,000) | \$2,210,000 | (\$250,000) | (\$1,015,000) | \$0 |

The proposed revised matrix is presented with notable changes including:

| | | |
|------------|---|---------------|
| FY 2020-21 | A decrease in expenditures due to shutdown limitations in the lower reach. | (\$888,000) |
| FY 2021-22 | An overall small decrease in projected expenditures due to proposed CVWD offset funding for lateral structures project. | (\$57,000) |
| FY 2022-23 | An increase in projected expenditures due to preparation for extended drought period with installation of the emergency pumping facility, secured pipeline and affiliated operational costs. This increase is partially offset due to the shifting of category 3 and category 4 projects to FY 2025-26. | \$2,210,000 |
| FY 2023-24 | A decrease in projected expenditures due to preparation for extended drought conditions. | (\$250,000) |
| FY 2024-25 | A decrease in projected expenditures due to the shifting of category 3 and 4 projects to a future year (FY 2025-26) not included in the matrix. | (\$1,015,000) |
| Change | | \$0 |

The proposed amendment to the IIP does not constitute approval for any project not previously approved and authorized by the Board. All projects will be submitted to the appropriate Committee and Board of Directors for approval prior to construction.

Project descriptions are included as exhibits to this memorandum.

FISCAL IMPACTS:

The original 2021-2025 IIP adopted by the Board in February 2020 included a net cost of \$7,335,000 over the five-year planning horizon. The proposed revised cost matrix remains consistent with the overall five-year capital spending plan.

ENVIRONMENTAL COMPLIANCE:

All environmental compliance measures required for each project contained within the IIP will be satisfied prior to project implementation.

LEGAL CONCURRENCE:

Resolution No. 724 has been reviewed by Legal Counsel.

COMMITTEE STATUS:

The Operations Committee received information on the proposed amendment to the COMB 2021-2025 Five-Year Infrastructure Improvement Plan and forwards to the Board of Directors with a recommendation to approve and adopt resolution No. 724 amending the Plan.

LIST OF EXHIBITS:

- 1) Resolution No. 724
- 2) COMB 2021-2025 Infrastructure Improvement Plan Project Descriptions

RESOLUTION NO. 724

**RESOLUTION OF THE GOVERNING BOARD OF THE
CACHUMA OPERATION & MAINTENANCE BOARD ADOPTING
AN AMENDMENT TO
THE COMB 2021-2025 INFRASTRUCTURE IMPROVEMENT PLAN**

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

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

WHEREAS, COMB operates and maintains Cachuma Project facilities pursuant to a Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation, including the North Portal Intake Tower, the Tecolote Tunnel, the South Coast Conduit, the Sheffield Tunnel, four regulating reservoirs, flow control valves, meters, instrumentation at control stations, turnouts and appurtenant structures along the entire system; and

WHEREAS, the Five-Year 2021-2025 Infrastructure Improvement Plan (“IIP”) was adopted by the COMB Governing Board in February 2020; and

WHEREAS, each year, in conjunction with preparation of the annual Operating Budget, the Governing Board reviews the upcoming infrastructure needs for COMB based on current conditions and priorities; and

WHEREAS, more detailed cost/benefit information, including potential funding offsets, is now available for certain infrastructure improvement projects; and

WHEREAS, since the initial adoption of the current 2021-2025 Five-Year Infrastructure Improvement Plan, project budgets and scheduling adjustments are necessary primarily due to climate change conditions, shutdown limitations, results of completed engineering evaluations, and potential funding offsets; and

WHEREAS, the amended 2021-2025 Infrastructure Improvement Plan will facilitate the decision-making process for allocation of resources to help ensure the delivery of quality, reliable water to the COMB Member Agencies; and

WHEREAS, the proposed amendment to the COMB 2021-2025 Infrastructure Improvement Plan was reviewed by the COMB Operations Committee on April 22, 2021 and forwarded to the Governing Board with a recommendation to approve and adopt the amendment.

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 April 2021 amendment to the 2021-2025 Infrastructure Improvement Plan, as set forth in the accompanying staff memorandum and Exhibit 2 of the memorandum.
3. 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 April 2021, by the following roll call vote:

Ayes:

Nays:

Absent/Abstain:

APPROVED:

President of the Governing Board

ATTEST:

Secretary of the Governing Board

APPENDIX A: IIP PROJECT DESCRIPTIONS

Updated April 2021 - **DRAFT**



Background

Combination air vacuum air release valves (AVARs) are located at high points along the pipeline and act to automatically expel air and relieve vacuum accumulation in pipes. If air is not adequately expelled, air pockets can constrict flows. If the vacuum is not relieved, serious damage or collapse of the pipeline can occur. If AVAR vaults become flooded or if a negative pressure is experienced within the pipeline, the AVAR valves could allow contaminated water to enter the pipeline. It is now required to install these valves above grade, where flooding is less likely. COMB has been upgrading the AVAR valves in the system such that all are above grade. The AVAR valve structures consist of a manhole cover, riser pipe, valve, and AVAR valve. Over time, the original valves, riser, and manhole covers have also been corroded and pose an operational risk.

Need

There are twenty-six AVARs on the Lower Reach of the SCC. Most AVAR structures were rehabilitated from 2018 to 2021. There are two remaining AVAR valve structures in Highway 192 that need rehabilitation as they pose an operational risk and/or do not meet Section 64576 of Titles 17 and 22 California Code of Regulations, which requires “each new air-release, air vacuum, or combination valve, and any such valve installed to replace an existing valve shall be: (a) installed such that its vent opening is above grade.” In addition, three air vents were partially rehabilitated and require replacement of the valve and riser pipe when a coordinated shutdown can occur. The consequence of not completing this project may be major facility failure in multiple locations and potential water contamination.

Description

Replace and relocate to above ground AVARs, and replace riser pipes in the Lower Reach. Consistent with other AVAR replacements, manhole covers, valves, risers, laterals would be replaced at the same time. The project would require coordination with impacted Member Agencies during the required shutdown of the SCC. For efficiency and to minimize cost, phases of this project will be performed concurrently with similar phases of the South Coast Conduit Blow-Off Nozzle/Valve Replacement. Project implementation will occur over time and during low water demand months to reduce the impact of system shutdown.

PRIORITY CATEGORY

1. Regulatory or Legal Requirement

ESTIMATED COST

\$320,000

| Fiscal Year | Phase | Cost |
|-------------|---------------------|-----------|
| 2020-21 | Toro Cyn to Carp HS | \$90,000 |
| 2021-22 | Toro Cyn to Carp HS | \$190,000 |
| 2024-25 | Carp HS to Carp Res | \$40,000 |

This project has been identified by the USBR as a Category 1 recommendation.

Background

Blow-off structures exist on all low points of a water distribution system. The components included in these structures include access-hole covers, blow-off nozzles, a gate valve and blow-off piping. There are a total of sixty-five blow-off structures in South Coast Conduit system.

Need

The existing blow-off components are in need or rehabilitation due to extensive corrosion. The dependability of these components is necessary to allow the system to be dewatered for maintenance and response to an emergency break in the pipe. Blow-off valves and piping have been replaced in the Upper Reach and 21 blow-off nozzles/valves have been replaced in the Lower Reach. Five blow-off nozzles in the Montecito and Carpinteria areas are in need of replacement. The original nozzles and valves are in need of replacement because of corrosion. The consequence of not completing this project could result in a major facility failure in multiple locations and potential risk of water contamination.

Description

The project consists of replacing the man hole covers, blow-off nozzles, gate valves, upper spools, and discharge piping within the Lower Reaches of the SCC. The project would be completed in conjunction with the AVAR valve replacement and relocation project and coordinated with the affected Member Agencies during the required system shutdown. The design for this project is complete. Six scheduled shutdowns remain to be completed to replace 15 remaining blow-off nozzles and valves.



PRIORITY CATEGORY

2. Required to Maintain Level of Service

ESTIMATED COST

\$410,000

| Fiscal Year | Phase | Cost |
|-------------|---------------------|-----------|
| 2020-21 | Toro Cyn to Carp HS | \$90,000 |
| 2021-22 | Toro Cyn to Carp HS | \$200,000 |
| 2024-25 | Carp HS to Carp Res | \$120,000 |

This project has been identified by the USBR as a Category 2 recommendation.

Background

There are forty-four lateral connections housed in concrete cylinder structures on the Lower Reach of the South Coast Conduit. The function of these connections is to provide water to sections of the Montecito Water District and Carpinteria Valley Water District. Each connection generally contains two gate valves, a meter, and an air vent component. Most laterals have been abandoned and air gapped in the Upper Reach of the South Coast Conduit with the exception of the Goleta West Conduit.

Need

Thirty-five of the existing lateral appurtenances in the lower reach pose an operational risk due to age, corrosion, and unreliable valve operating conditions. The dependability of these valves is necessary to provide reliable water service to customers served in sections of the Montecito and Carpinteria Water District Boundary areas. The consequence of not completing this project could result in lateral failure/inoperability limiting deliveries to customers served by those laterals or complicating operations if leak-by or a major failure occurred. The lateral valves need to be replaced prior to anticipated shutdowns of the South Coast Conduit in the Carpinteria area.

Description

This project would replace corroded pipe and inoperable valves and air vents on lateral connections. The project will require shutdowns for the specified turnout distribution supply areas and would be coordinated with the impacted Member Agencies. The project requires retention of engineering and contractor services. Due to each site's differing conditions, engineering would be required for each individual structure. The initial phase of the project is to perform an engineering assessment and design for all lateral structures.



PRIORITY CATEGORY

2. Required to Maintain Level of Service

ESTIMATED COST

\$685,000

| Fiscal Year | Phase | Cost |
|-------------|--------------|------------|
| 2020-21 | Eng/Const | \$85,000 |
| 2021-22 | Construction | \$300,000* |
| 2022-23 | Construction | \$300,000* |

*As part of the proposed Cooperative Agreement with CVWD, CVWD would offset in-line isolation valve costs with the costs to rehabilitate the laterals in the Carpinteria Area

This project has been identified by the USBR as a Category 2 recommendation.



Background

The “Supervisory Control and Data Acquisition” system (SCADA) serves to collect important monitoring data on flows, reservoir elevations, alarms, communication, turbidity, pH, temperature, and valve positions. The SCADA system increases the efficiency of COMB staff by providing notification alarms for operational staff to investigate, which enhances system reliability. Installation of the COMB Supervisory Control and Data Acquisition (SCADA) system began in 2003. The programmable logic controllers (PLC) COMB owns and operates are in need of upgrade to maintain system functionality.

Need

The programmable logic controllers (PLC) COMB owns are obsolete and no longer available. They are very difficult and time consuming to re-program the existing PLC’s in the event of a failure or simple program modification. If a failure occurs and a suitable computer and software cannot be located, then there is no option but to upgrade to get the site back on line.

Description

This project would involve the replacement of all legacy PLC(s) in their existing control panels. New PLC processors, software, and I/O modules. COMB has a total of nine PLCs. As part of the upgrades, additional sensors will be added to monitor to the system for potential leaks or breaks. Several of these PLCs are also locations where data is shared with COMB’s Member Agencies. Upgrades at these sharing locations would need to be coordinated with each Member Agency. The project would also involve upgrading the SCADA server hardware and software to support the latest operating system and version of the SCADA software.

PRIORITY CATEGORY

2. Required to Maintain Level of Service

ESTIMATED COST

\$300,000

| Fiscal Year | Phase | Cost |
|-------------|---------------------|-----------|
| 2020-21 | Replace PLCs | \$150,000 |
| 2021-22 | PLCs/Upgrade Server | \$150,000 |

This project has been identified by the USBR as a Category 2 recommendation.

Background

The proposed Pump Station Project would be required to be installed when the lake levels are projected to fall below the intake gates. The pumping facility provides a lifeline delivery of Cachuma Project water and imported State Water Project (SWP) water to 200,000 residents on the South Coast of Santa Barbara County during times of drought.

Need

A pump-system has been installed three times in Lake Cachuma in 1957, 1990-91, and 2015-2017. In 1990-91 and 2015-17, the pumps were installed on a floating barge. Key components of the pumping barge from 2015-2017 EPF are currently being stored at a storage facility in Paso Robles. A land-based pump system was installed at Site 1 in 1957.

Description

The floating pump station that is currently in storage consists of seven electrical pumps with fixed drum fish screens set on Flexifloat and Quadrafloat system. The pump station is powered by electricity through a temporary power line connected to PG&E system. A backup generator would be available on shore in case there was a power outage.

Two concepts for a submerged pump system have been considered: (1) a shore-mounted, slant-well facility and (2) a prefabricated submerged facility. The shore-mounted slant-well facility would include placing vertical turbine pumps with submersible motors at the bottom of a slanted steel casing pipe, which draws water from the lake through fish screens. The prefabricated submerged facility is an alternative concept, which would be assembled on shore, floated into position, and then lowered to the lake bottom. The costs are based on the installation and operation of the floating pump system that is currently in storage, under contract.



PRIORITY CATEGORY

2. Required to Maintain Level of Service

ESTIMATED COST

\$3,075,000* (If required)

| Fiscal Year | Phase | Cost |
|-------------|----------------------|-------------|
| 2022-23 | Mobilize/Install/Ops | \$1,850,000 |
| 2023-24 | Mobilize/Install/Ops | \$1,225,000 |

*If required, the actual schedule for the Lake Cachuma EPF Pump Station (2019-C-1) may shift depending on drought severity and lake levels

Permits will need to be renewed or applied for redeployment of the EPF with a secured pumping station.

Background

The Secured Pipeline Project - Gate 5 Extension is currently in the design phase. The North Portal Intake Tower is normally operated as a gravity flow system. However, when the lake level recedes below the lowest gates, water is unable to be transported to the South Coast. Under these conditions, water must be pumped from deeper parts of the lake to the Intake Tower.

Need

Sedimentation has buried the lowest gate (Gate 5) on the North Portal Intake Tower. A pumping system is needed when lake levels recede below the Gate 4 elevation (678'). Without a pipeline and pumping system, Cachuma Project and State Water Project (SWP) water cannot be transported to the South Coast, causing a widespread immediate threat to public health during drought. This project would consist of a pipeline secured to the lake bottom with a connection at Gate 5, and a gravity intake with fish screen at an alternate drafting location (Site 1). Should water quality become poor at the Intake Tower (temp, algae, turbidity, TOC, etc.), the alternative Site 1 intake could also be utilized.

The Secured Pipeline Project makes available an additional 18,000 AF of water until reservoir levels return. In addition, water quality data collected by COMB over the last 2 years demonstrates that water temp, TOC, boron, and sulfate are consistently lower at depth. Lower water temperatures are associated with decreased THM formation during treatment and lower boron/sulfate levels will help Member Agencies meet aquifer storage and recovery (ASR) injection requirements.

Description

The project would consist of a 36-inch, 3,600' DR-17 HDPE pipeline secured to the lake bottom with concrete pipe weights. A fish screen installed at the drafting end would allow water deliveries from deeper portions of the lake for better management of delivered water quality. In times of drought, the pipeline would be connected to a pumping system to allow deliveries of water to the Tecolote Tunnel. The preferred elevation to install the pipeline is at 710' or less. The project could be installed during the next drought when the appropriate lake level is reached for construction (Makai Ocean Engineering, Inc. 2019).



PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$2,904,000

| Fiscal Year | Phase | Cost |
|-------------|--------------|-------------|
| 2020-21 | Eng/Env | \$152,000 |
| 2021-22 | Env/Const | \$352,000 |
| 2022-23 | Construction | \$2,400,000 |

*USBR Drought Resiliency Grant preliminarily awarded to COMB in the amount of \$750,000 for this project

Environmental review will be required and permits will need to be renewed or applied for redeployment of the EPF with a secured pipeline.

Background

As staff increased, COMB purchased used mobile units and converted them into office spaces to house administrative and fisheries division personnel. In FY 2014-15, after significant rainfall, water had leaked through the administration office roof and into the electrical light system. The Operations staff took immediate and temporary remedial measures to protect the roof by using a foil-type roof blanket application which is still in place today. The Operations Division Manager indicated that the roof was deteriorated and structurally unsafe. Additionally, during a recent walk-thru inspection, a representative from Atlas Performance, Inc. determined that the Fisheries mobile office was in severe dry-rot stages and had an oak tree seedling growing out of the fascia trim board from woodpecker activity. Because the structural integrity of the mobile offices is at risk, it has become necessary to replace the units completely.

Need

The COMB Administration and Fisheries mobile offices are aging and in various stages of deterioration. The Administration office is a 1979 model (41 years old), purchased used in 1993 and the Fisheries office is a 1997 model (23 years old), purchased used in 1999. These offices are deteriorating and have multiple leak points, various unidentifiable smells emanating within the interior of the buildings, and severe rotting discovered on the roof and interior/exterior walls. These buildings have long outlived their life expectancy and have become a personnel safety issue due to the extent of deterioration. These outdated temporary buildings do not contain ADA compliant features and have become obsolete.

Description

Work would include the manufacturing and purchase of two mobile offices totaling 1,680 square feet of office space (1 double wide and 1 single wide), delivery charges, tie downs, skirting, steps and ADA ramp, license and transfer charges, removal and disposal of current buildings, and installation on site. In addition, the deck and patio cover currently connected to the existing mobile units is decayed and will need to be dismantled and rebuilt.



PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$391,000

| Fiscal Year | Phase | Cost |
|-------------|---------------|-----------|
| 2020-21 | Design/Build | \$175,000 |
| 2021-22 | Build/Install | \$216,000 |

New construction and alterations must be in compliance with the 2010 ADA Standards for Accessible Design. COMB may be required to remove architectural barriers if "readily achievable" for existing facilities.

South Coast Conduit Line Valve in Carpinteria for Repairs (2018-C-2)

Background

To allow for shutdown repairs and continued water delivery in the event of disruption of service in the South Coast Conduit, additional in-line isolation valves are needed in the South Coast Conduit.

Need

Pipeline break due to natural disaster could result in escaping flows. In an emergency scenario such as this, a line valve would divide the conduit, limiting outflow. In addition, several blow-offs and air vacuum air release (AVAR) structures on the South Coast Conduit are in disrepair and need periodic rehabilitation requiring a shutdown of the SCC. A line valve would allow COMB to rehabilitate these important structures without less disruption to customers.

Description

To facilitate shutdowns and repairs of the South Coast Conduit and to minimize service disruption, an in-line isolation valve is required. COMB has proposed installing an in-line isolation valve at La Mirada Drive and Highway 192. The isolation valve would allow a section of the South Coast Conduit, which currently serves eleven laterals to be subdivided to two segments. An in-line isolation valve would also allow three air vents and two blow-off structures to be rehabilitated in the Carpinteria area. This would allow COMB to complete a Category 1 recommendation from the U.S. Bureau of Reclamation to rehabilitate subgrade, air vent structures.

In exchange for this work, CVWD has proposed to contribute financially towards the rehabilitation of the lower reach SCC laterals. A cooperative agreement between COMB and CVWD is in the process of being developed to facilitate this exchange of work.



PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$850,000*

| Fiscal Year | Phase | Cost |
|-------------|--------------|-----------|
| 2021-22 | Construction | \$400,000 |
| 2024-25 | Construction | \$450,000 |

*CVWD has proposed to offset the line valve costs by performing lateral rehabilitation work.

An environmental/historic preservation review is required for all activities for which FEMA funds are being requested

Background

The Lake Cachuma Evaporation and Water Quality Buoy is envisioned to be a buoy-based weather station for improved water quality and environmental monitoring, including an estimation of evaporative losses from the reservoir. Chlorophyll, phycocyanin, and nutrient concentration probes would allow for the advanced indication of Harmful Algal Blooms (HABs) for quick response. In addition to a monitoring buoy, the installation of a land-based weather station could compliment water measurements. The land-based station would serve as a secondary data source and provide a redundant check of reservoir evaporation numbers.

Need

Some species of cyanobacteria are capable of releasing harmful cyanotoxins, which can impact recreation and drinking water if not detected and treated early. This project addresses a critical deficiency for water quality management, specifically, continuous and more granular water quality data is needed from Lake Cachuma to inform critical decision making at member unit treatment facilities, including toxic algal bloom detection monitoring for early warning and proactive treatment and total organic carbon for management of trihalomethane formation. Also, during the most recent drought from 2014 to 2017, the evaporation measurements from the evaporation pan at Lake Cachuma significantly increased (46% higher historical average in 2017), which was not consistent with the surrounding evaporation measuring stations. Historically, pan-based evaporation estimates have been used to track and manage evaporative losses. The Lake Cachuma Evaporation and Water Quality Buoy will increase environmental monitoring accuracy.

Description

Setting up the anchoring system, evaporation buoy and sensors, and safety buoys is expected to take 1-2 weeks. A consultant would initiate the web portal and data relay system approximately 2-3 weeks after buoy installation. The relative ease of installation would allow Reclamation, COMB, and Member Agencies to begin using the buoy system immediately. Specific variables to be monitored could include, water temperature profiles (4 units down to 70 feet), dissolved oxygen, chlorophyll, phycocyanin, nutrients, wind speed, humidity, air temperature, barometric pressure, and incoming solar radiation.



PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

PROJECT COMPLETED –

No Additional Funds Required

The installation of a buoy-station in Lake Cachuma would require environmental review by the Bureau of Reclamation.

Background

Located at the base of the Tecolote Tunnel, the Jet Flow Control Valve is the primary control for flow from Lake Cachuma into the South Coast Conduit. The valve is located within the red piping component as pictured to the right. The adjacent gate valve (black) is utilized to shutdown flows from Lake Cachuma. The Jet Flow Control valve was replaced in 1990 and has a useful life of approximately thirty years. As part of this project, COMB would purchase new parts and utilize previously acquired internal components to build a new valve to be installed during a planned shutdown. The current valve, after being removed, would be rebuilt using new components and would be kept on site and used as a redundant valve in case of failure.



Need

The consequence of not completing the project includes using a valve beyond the expected useful life, coupled with a lack of redundancy for one of the most critical flow control valves within the system. Because the North Portal Jet Flow Control Valve controls the flow into the Tecolote Tunnel, failure could prevent or impact water deliveries to the cities of Goleta, Santa Barbara, Montecito, Summerland and Carpinteria. This is a proactive replacement based upon the expected service life at purchase, as the valve in its current state is functioning adequately. Because of the important function of the valve, it is critical that it not be used beyond the manufacturer's recommended service life, and that redundancy exists on site.

PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$300,000

| Fiscal Year | Phase | Cost |
|----------------|--------------|-----------|
| Next IIP Cycle | Installation | \$300,000 |

Description

This project consists of producing designs and specifications to manufacture a new valve body and to rebuild using new and previously purchased internal components. Once the jet flow valve is ready for installation, a coordinated shutdown would occur using the gate valve. The current jet flow valve would be removed from service and the new valve would be lowered by crane into the lower gallery of the North Portal through the elevator shaft for installation.

This project requires approval from Reclamation.

Background

A majority of the valves located at control stations along the South Coast Conduit are original and were installed in the 1950s. There are over 50 large diameter valves in the system, ranging in size from 24" to 48". Several of these valves are critical for operations, but many of the valves are obsolete and are not utilized for operations. During previous maintenance work and shutdowns, key valves in the system have been characterized as exhibiting excessive leak-by. This program would replace critical valves in the system at key control station locations.

Need

In-line isolation and control valves are needed to properly operate and maintain the system. Valves with excessive leak-by or poor operability impact system operations. The system is operated differently than designed with the installation of Cater Treatment Plant. Many of the system valves are no longer needed for operations. Obsolete valves and piping are potential points of failure and increase maintenance needs. The consequences of not completing this project could include loss of control within control stations and excessive leak-by, which could especially impact operations during repair work requiring pipeline shutdown.

Description

This project would involve the systematic replacement of key control valves in the system with known operational deficiencies. Control station piping would be streamlined to reflect current operations and obsolete valving would be removed from the control stations.



PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$300,000

| Fiscal Year | Phase | Cost |
|----------------|------------------|-----------|
| Next IIP Cycle | Eng/Construction | \$300,000 |

Changes to the South Coast Conduit system to remove obsolete valves and piping would require Bureau of Reclamation review and approval.

Background

COMB is responsible for accurate water accounting on behalf of the Cachuma Project Member Agencies to the U.S. Bureau of Reclamation on a monthly basis. The process of water accounting entails recording data from twenty-eight meters located along the conveyance system from the North Portal of Lake Cachuma to the Carpinteria Reservoir. In an effort to identify the accuracy of meters within the system, COMB hired Water System's Optimization (WSO), Inc. to conduct a system meter evaluation and water audit. The results of the water audit indicated that several meters require additional testing and replacement.

Need

COMB's water meters are critical to the water accounting and system operations. Several meters in the system have reached limited-life cycle phase and are likely in need of replacement in the next five years. Not completing the project could impact system operations and water accounting accuracy and jeopardize compliance with Section 64561 of Titles 17 and 22 California Code of Regulations, which states "each water system shall: (b) meter the quantity of water flow from each source, and record the total monthly production each month."

Description

COMB operates several electronic mag-meters that are critical to the water accounting and system operations that have reached limited-life cycle phase and are likely in need of replacement in the next five years. COMB operates electronic magmeters at Glen Anne Turnout Meter, Goleta West Meter, Ortega Inflow meter, Ortega Southflow meter, and the Boundary meter which are utilized to manage system operations on a day to day basis and for monthly accounting of water use.



PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$200,000

| Fiscal Year | Phase | Cost |
|----------------|--------------|-----------|
| Next IIP Cycle | Construction | \$200,000 |

No regulatory compliance measures are expected for this project.

Background

The Sheffield Tunnel is a concrete tunnel housing the 30" South Coast Conduit (SCC) that extends 6,100 feet between the Mission Creek area and Parma Park. Within the tunnel, sections of concrete pipe are connected and joined with steel bands and mortar joints to maintain the integrity of the pipe collar connections.

Need

The USBR inspection report of the Sheffield Tunnel identified and recommended remediation of cracked pipe collars and adjoining deterioration of mortar joints and pipe supports. Deterioration potentially compromises the integrity of the tunnel and poses an operational risk. Heavy seepage appears to be a contributing factor to deterioration.

Description

An engineering firm would conduct a condition assessment to determine the structural integrity and reliability of the connecting and support structures of the Sheffield Tunnel. The engineering evaluation will include recommended repairs and determine how to eliminate areas of heavy seepage. It is possible the engineering evaluation could find a lower cost remedy to that recommended by USBR. Upon completion of the evaluation, COMB would retain a qualified contractor to repair the deteriorated mortar joints and pipe supports at locations identified.



PRIORITY CATEGORY

4. Evaluates Potential Critical Deficiency

ESTIMATED COST

\$400,000

| Fiscal Year | Phase | Cost |
|----------------|--------------|-----------|
| Next IIP Cycle | Engineering | \$50,000 |
| Next IIP Cycle | Construction | \$350,000 |

This project has been identified by the USBR as a Category 2 recommendation.

Background

The Lauro Reservoir intake structure was modified in 1981 by adding a stainless steel circular intake screen connected to a steel pipe which was inserted in the original concrete intake structure. A 1/2 inch thick steel circular bearing plate was installed on top of the existing concrete intake structure to cover the opening between the intake structure and vertical pipe and provide structural support. The 2018 dive report, prepared by USBR, states the intake structure is in satisfactory condition with the exception of the bearing plate. The bearing plate was observed to be fully covered with corrosion and rust nodules.

Need

The steel bearing plate on the intake structure has deteriorated because of corrosion and poses an operational risk for both the protection against outside intrusion of elements penetrating through the opening or structural support of the intake pipe and screen.

Description

Engineering services will be retained to determine the expected level of performance from the steel bearing plate (protection from outside element intrusion or structural). Engineering will need to be conducted by a structural engineer to determine if the steel bearing plate is necessary for support, and if required, a method to design a repair that will allow for continued structural support of intake structure. The reservoir may need to be lowered to accommodate inspections and repairs.



PRIORITY CATEGORY

4. Evaluates Potential Critical Deficiency

ESTIMATED COST

\$130,000

| Fiscal Year | Phase | Cost |
|----------------|------------------|-----------|
| Next IIP Cycle | Eng/Construction | \$130,000 |

This project has been identified by the USBR as a Category 2 recommendation.

Background

Water diversions from Lake Cachuma occur from the North Portal Intake Tower facility into the Tecolote Tunnel and to the South Coast Conduit for water delivery to the Cachuma Project Member Agencies. The vertical intake tower stands 120 feet tall located approximately mid-reservoir and contains five slide gates, each at varying levels on the pentagonal shaped tower. The slides gates are covered with mesh fish screens to prevent fish and debris from entering the tunnel.

Need

The North Portal Intake Tower was constructed by the Bureau of Reclamation in the 1950's, at which time, the standards for structural design requirements were not as stringent as today's compliance requirements. Structural elements of the intake structure would be examined to determine the general reliability of the tower, and recommendations for upgrades and refurbishments would be provided if needed. The consequence of not completing this project would be uncertainty in structure reliability during a seismic event, which could result in losing ability to deliver water to the South Coast while emergency repairs are made.

Description

This initial phase of the project consists of acquiring the consulting services of a qualified structural engineering firm to perform a Seismic Reliability Analysis and Physical Condition Assessment of the North Portal Intake Tower located at the North Portal of the Tecolote Tunnel. It shall include a report of all findings and propose recommendations for structural rehabilitation to increase and/or ensure continued reliability of the structure in the occurrence of a large seismic event. An assessment of the tower is easier to perform when the lake level is low. This project is scheduled to be performed when the lake level exposes a large portion of the intake tower.



PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$100,000

| Fiscal Year | Phase | Cost |
|----------------|-------------|-----------|
| Next IIP Cycle | Engineering | \$100,000 |

**A condition assessment of the North Portal Intake Tower is ideally completed when the lake level is low exposing for examination.*

No regulatory compliance measures are expected for this project.

Background

The Tecolote Tunnel was completed in 1956 to divert water from Lake Cachuma to the South Coast Conduit. The tunnel provides water delivery through the mountain to the South Portal. The tunnel structure consists of a modified circular horse-shoe shaped cross section constructed of steel encased in 12 inches of concrete, and operates in open channel flow that is approximately 7' inside and is 6.4 miles long with a gradual shallow slope to enable gravity feed. The only ingress and egress are at the North Portal and South Portal. During periodic inspections by the USBR, deteriorations have been observed in the tunnel lining due to long-term exposure to hydrogen sulfide gas.

Need

Hydrogen sulfide has caused some deterioration of the concrete lining of the tunnel. In areas, the interior concrete surface has peeled in sheets approximately 3/8 of an inch thick and fallen into the invert, creating sediment. The majority of the tunnel is in acceptable condition, however, a few locations have small areas where leaching could affect the structural integrity of the concrete. Review is necessary, as the consequence of not completing this project is uncertain in terms of structure reliability. A tunnel failure could interrupt 40 MGD during peak demand time if not addressed, and would be very technically difficult to repair.

Description

The project requires engineer evaluation of concrete deterioration, and recommended remediation. A thorough investigation and monitoring program needs to be implemented to determine if the concrete deterioration presents risk of structural failure. The program should be designed to address the specific questions raised by the 1999 RO&M Reclamation Report, action 2012-2-Q, which recommends COMB “prepare and implement a repair plan to perform all necessary repairs to address all damaged concrete and remediate the widespread concrete deterioration in the Tecolote Tunnel to restore safe and reliable service of the facility.”



PRIORITY CATEGORY

4. Evaluates Potential Critical Deficiency

ESTIMATED COST

\$100,000

| Fiscal Year | Phase | Cost |
|----------------|-------------|-----------|
| Next IIP Cycle | Engineering | \$100,000 |

This project has been identified by the USBR as a Category 2 recommendation.

THIS PAGE INTENTIONALLY LEFT BLANK



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.”

April 26, 2021

General Manager Report

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

Administration

• **4th Quarter Operating Budget Assessments**

Annual budget revenues are funded by quarterly assessments of COMB Member Agencies and are based on the Member Agencies’ proportionate Cachuma Project entitlement percentages. Included in the operating budget is the cost of personnel and administration, operation and maintenance, fisheries related work and infrastructure improvement projects related to the Cachuma Project storage and conveyance facilities.

In preparing the 3rd Quarter Financial Review, staff identified a preliminary and unaudited budget surplus for the Operations Division of approximately \$1M. Of this amount, approximately \$700K is attributed to incomplete infrastructure improvement projects, as shown in Table 1. This surplus is primarily due to a shift in schedule for completing projects due to limitations for COMB to perform a shutdown to address previously planned rehabilitation work in the lower reach of the system.

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

TABLE 1

Cachuma Operation and Maintenance Board
Projected Statement of Revenue and Expenditures – Operation Division
FY 2020-21

| Operations Division | | | | | | | | |
|----------------------------|-------------------|-------------------|-------------------|-------------------|---------------------|------------------|-------------------------------|----------------|
| | Actual Jul-Sep | Actual Oct-Dec | Actual Jan-Mar | Budget Apr-Jun | Annual Projected | Annual Budget | Over / (Under) Budget (\$) | % of Budget |
| Revenue | | | | | | | | |
| Revenue | \$ 781,911 | \$ 886,026 | \$ 1,326,909 | \$ 798,836 | \$ 3,793,682 | \$ 3,806,921 | \$ (13,239) | 99.7% |
| Expense | | | | | | | | |
| General and Admin Expenses | 57,605 | 49,232 | 60,169 | 43,659 | 210,666 | 230,713 | (20,047) | 91.3% |
| General and Admin Labor | 143,522 | 142,808 | 136,623 | 150,517 | 573,470 | 602,068 | (28,598) | 95.3% |
| O&M Labor | 191,708 | 200,006 | 194,005 | 252,535 | 838,254 | 1,010,140 | (171,886) | 83.0% |
| O&M Vehicle & Equip | 6,564 | 5,881 | 13,207 | 18,750 | 44,402 | 75,000 | (30,598) | 59.2% |
| O&M Contract Labor | 15,518 | 14,740 | 38,510 | 32,500 | 101,269 | 130,000 | (28,731) | 77.9% |
| O&M Material and Supplies | 6,826 | 11,691 | 17,642 | - | 36,159 | 78,000 | (41,841) | 46.4% |
| O&M Other Expenses | 8,006 | 9,948 | 9,911 | 13,375 | 41,240 | 46,000 | (4,760) | 89.7% |
| O&M Special Projects | 174,551 | 99,387 | 378,405 | 287,500 | 939,843 | 1,635,000 | (695,157) | 57.5% |
| Total Expense | \$ 604,301 | \$ 533,694 | \$ 848,473 | \$ 798,836 | \$ 2,785,303 | \$ 3,806,921 | \$ (1,021,618) | 73.2% |
| Net Surplus / (Deficit) | \$ 177,611 | \$ 352,332 | \$ 478,437 | \$ - | \$ 1,008,379 | \$ - | \$ 1,008,379 | |

(*) Results are unaudited and subject to change.

Staff has reduced the Member Agencies 4th Quarter Budget assessment in the amount of \$700K with a final reconciliation of unexpended funds to be performed through the audit process following year end.

The revised 4th Quarter Budget Assessment is calculated as follows:

| | | 4th Quarter Budget Assessment | | |
|------------|---------|-------------------------------|-------------|-----------|
| | % | Preliminary | Credit | Revised |
| GWD | 40.42% | \$457,465 | (\$282,919) | \$174,546 |
| City of SB | 35.89% | 406,229 | (251,232) | 154,997 |
| CVWD | 12.20% | 138,060 | (85,383) | 52,677 |
| MWD | 11.50% | 130,109 | (80,466) | 49,643 |
| | 100.00% | \$1,131,862 | (\$700,000) | \$431,862 |

If an unexpected expense would occur prior to fiscal year end, staff would notify and re-assess the Member Agencies an amount up to the originally scheduled 4th quarter operating budget assessment.

- **COVID-19 Update**

On March 12, 2021, the California Department of Public Health (CDPH) announced the expansion of the Emergency Services sector currently listed under the Phase 1B vaccination rollout schedule to include Utility Workers (electricity, gas, water, waste, roads/highways) that provide emergency support. To date, the entire COMB staff has been fully vaccinated against the COVID-19 virus. Safety protocols and procedures continue to be followed and align with the suggested protocols issued by the Santa Barbara County Public Health Department and the Centers for Disease Control (CDC) to protect employees and our community against the risk posed by COVID-19.

Meetings

- **Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) Update**

On April 5, staff attended the first Local Planning Team (LPT) meeting for the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) 2022 Update. The purpose of the meeting was to discuss the role of the LPT, data requests, and schedule for the MJHMP 2022 Update. The MJHMP 2022 Update Draft is expected to be completed by winter 2021, followed by public participation and review in early 2022, with a finalized plan completed mid-late 2022. The COMB Board will have a chance to review and adopt the plan during the local plan adoption phase just prior to finalization. COMB hazard mitigation projects included within the MJHMP 2022 Update will be eligible for FEMA Hazard Mitigation Assistance grants including the Hazard Mitigation Grant Program Post Fire Grant, Building Resilient Infrastructure & Communities (BRIC), Pre-Disaster Mitigation (PDM) Program, and others.

U.S. Bureau of Reclamation

- **Emergency Action Plan Update and Training**

Reclamation has provided COMB with a copy of the new generation of the Emergency Action Plan (EAP) to review and provide comments. The Annual Emergency Action Plan Orientation will be conducted virtually by Reclamation during mid-May 2021. Operations personnel attend annual training to become familiar with incidents which constitute an emergency or unusual condition, how to describe them, and the use of the EAP to ensure proper actions and notifications occur in a timely manner.

- **USBR Comprehensive Facility Review**

USBR Comprehensive facility review site visits were conducted at Lauro Dam on March 23, Ortega and Carpinteria dams on March 24, and Glen Anne Dam on March 25, 2021. The reviews involved geotechnical, civil, and mechanical engineers from the U.S. Bureau of Reclamation Technical Service Center in Denver, Colorado. These comprehensive reviews are completed approximately every six to eight years with the previous reviews completed in 2013. The Technical Service Center in Denver has approximately 565 scientists, engineers, and other professional and office staff, and operates a world-class materials and hydraulic engineering laboratory. They have extensive experience with all of Reclamation dams throughout the western United States. The examinations and associated processes form the routine risk-management activities that Reclamation undertakes to continuously assess the relative risk of the dams. An inspection report will be generated and sent to COMB with recommendations when completed.

Staff Training

- **ESRI User Conference Presentation**

Annually COMB staff attends training sessions at the ESRI user conferences. These trainings are complimentary as part of the license fees for COMB's GIS system. Each year COMB staff typically submits a presentation abstract related to Fisheries and Operations GIS projects. This year COMB submitted an abstract titled "Analysis of Lake Stratification Dynamics using ArcGIS Pro" which was accepted. COMB staff will complete preparing the presentation in May and present it at the virtual conference in July. This staff project will provide insights on the changing lake temperature, with depth, which is important for releases of water into Hilton Creek and the diversion of water to the South Coast through the Tecolote Tunnel. COMB has been quarterly collecting additional temperature data profiles which will inform the effort.

Respectfully submitted,

Janet Gingras

General Manager

THIS PAGE INTENTIONALLY LEFT BLANK

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: April 26, 2021

TO: Janet Gingras, General Manager

FROM: Joel Degner, Engineer/Operations Division Manager

RE: **MONTHLY ENGINEERING REPORT**

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

CLIMATE CONDITIONS

The rainfall in Water Year 2020-21 is 50 percent of normal-to-date for Santa Barbara County (as of 4/20/21). The drought classification for the South Coast of Santa Barbara County was shifted from a moderate drought to a severe drought (as of 4/13/21) by the U.S. Drought Monitor. Lake Cachuma is currently at 60.9% capacity (724.26' as of 4/20/21). Figure 1 provides an update to the forecast of lake elevations if dry conditions continue. COMB received updated projections from its member agencies in early March 2021 for imports and exports into the lake. Santa Ynez River Water Conservation District will make its determination on the downstream release based on groundwater conditions in the upcoming months. Specifics on timing and potential volumes are currently unknown but projected in Figure 1 based on historical operations. The optimistic scenario does not include a downstream release in 2021 as that could be possibility given the higher amounts of rain and streamflow that occurred in the January 2021 storms in the lower Santa Ynez River watershed below Bradbury Dam.

| Parameter | Optimistic | Realistic | Conservative |
|-------------------------|---------------|-----------|------------------|
| SCC Exports | 80% Forecast | Forecast | 120% of Forecast |
| CCWA Inflow | 120% Forecast | Forecast | 80% of Forecast |
| WR 89-18 Release (2021) | 0 AF | 12,000 AF | 12,000 AF |
| WR 89-18 Release (2022) | 12,000 AF | 12,000 AF | 12,000 AF |

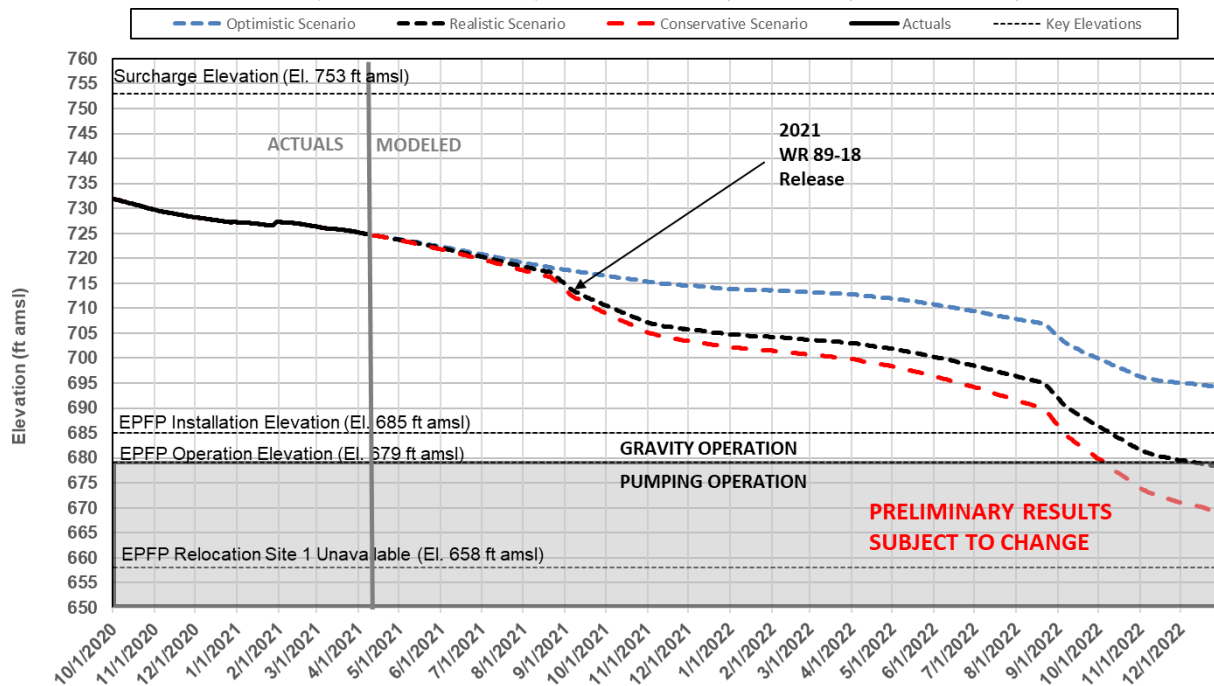


Figure 1. Lake Cachuma Elevation Projection Assuming Dry Year Hydrology (as of 4/19/21)

Based on the projected lake elevation assuming dry year hydrology, the emergency pumping facility project (EPFP) would need to be installed in the summer of 2022. As currently design, the proposed Secured Pipeline Project would be installed at water elevations of 710' or less which also would occur in 2022 if dry conditions continue. An elevation of 710' or less reduces the project cost by reducing the complications associated with higher lake elevations (diving limitations, pipeline bending stresses, pile installation, and sedimentation excavation).

COMPREHENSIVE FACILITY REVIEWS

COMB staff participated in the USBR Comprehensive Reviews of Glen Anne, Lauro, Ortega, and Carpinteria dams on March 23rd to March 25th. With assistance of the mechanical engineers from Reclamation, COMB staff exercised the hydraulic-operated valves at Glen Anne Dam and Lauro Dam. Following the site visit, Reclamation engineers will prepare a report with recommendations for operation and maintenance of the dams. COMB staff and Reclamation staff discussed the likely recommendations following the site inspections. COMB staff has been working on completing some of the expected recommendations with guidance from Reclamation as discussed in the Operations Report (removing vegetation from dam abutments, cleaning and painting the fault drain at Lauro, fixing cracks in the pavement at Ortega Reservoir).

SCADA SYSTEM IMPROVEMENTS

The Glen Anne Turnout Programmable Logic Controller (PLC) 3 replacement was commissioned the week of March 15 to 19th. This was done in collaboration with Goleta Water District who also replaced their PLC onsite at the same time. Overall, the upgrade went well and the new equipment improves the security and reliability of the PLC at Glen Anne Turnout. Data from this PLC is important in the coordination of Goleta Water District and COMB's operations.

GOLETA WEST CONDUIT REPAIR

Water from the South Coast Conduit is delivered to the Goleta West Conduit from the Glen Anne Turnout. The turnout was modified in the 1960s to provide the delivery of water to the Goleta West Conduit through the slide gate in the GATO structure. In 2012, a second option for the delivery of water to the Goleta West Conduit was installed from the "Second Barrel" or Modified Upper Reach Reliability Project (MURRP) pipeline. Water delivery through the "Second Barrel" provides more direct delivery to the Goleta West Conduit and a more reliable chlorine injection system.

Cracks in the concrete structure and pipeline immediately downstream of the GATO were allowing water and oxygen to corrode the steel in the concrete and pipeline. Left unchecked, the corrosion could result in an unplanned leak and shutdown of the Goleta West Conduit. Rainfall conditions in early March allowed a period of reduced demands on the Goleta West Conduit, which allowed the PLC to be replaced and the Goleta West Conduit repair to occur. COMB collaborated with GWD staff on both the design and construction for the repair. Goleta West Conduit was able to remain in operation during the repair.

The repair involved removing the damaged mortar coating on the pipeline, cleaning the pipeline to bare metal, and coating the pipeline with an epoxy resin reinforced with a silicon steel alloy for corrosion protection. The cracks in the concrete on the turnout wall were injected with a structural epoxy resin. An approximate 8-foot long section of the pipeline was then encased in reinforced concrete. The pipeline and concrete reinforced was then buried in gravel. Figure 2 provides photos of the repair conducted on March 16 to 22nd by Cushman Contracting Corporation. COMB had been limiting the use of the original South Coast Conduit pipeline from to GATO until this repair has been conducted. Now that the repair is complete both pipelines from the South Portal to GATO could be used for water delivery.



Figure 2. Goleta West Conduit Repair at GATO – a) cracks in concrete and mortar coating showing signs of corrosion; b) damaged mortar removed showing rust corrosion of pipeline under mortar; c) pipeline cleaned to bare metal; d) pipeline coated with metal alloy epoxy resin (Belzona 1111); e) cracks in concrete injected with structural epoxy resin; f) concrete encased from turnout box to buried thrust block; g) concrete forms removed; h) gravity block wall raised and gravel fill add to cover concrete and adjacent South Coast Conduit.

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 six remaining legacy PLCs. Aspect replaced PLC 3 in March and plans to replace PLC 6 and 9 in Carpinteria to next. | COMB SCADA system was installed in 2004 and existing hardware is obsolete and in need of replacement. PLC replacements will require coordination with COMB's Member Agencies. | PLC upgrades are planned to be completed by 2022. |
| COMB Building and Ground Repair | Admin and Fisheries modular office building replacement approved by the board. Fabrication of the building commenced in April with installation planned several months after fabrication begins. | COMB Admin and Fisheries modular offices will be replaced in-kind to limit complexity and challenges of construction. | Modular buildings began fabrication in April and will be installed in the late summer/fall. |
| SCC Structure Rehabilitation : AVAR/BO Valves | Contract in place and work on four structures was conducted in March without a shutdown. Eight structures remain to be rehabilitated. | COMB prioritized non-shutdown related work that could be completed this winter. COMB staff is planning next year's work. | Shutdowns need to be coordinated with Reclamation and CVWD. |
| SCC Line Valves for Shutdown | Design of the La Mirada line valve in Carpinteria is being finalized. COMB has received Caltrans comments and Reclamation MP-620 approval. | Additional line valve(s) are needed in Carpinteria to facilitate shutdown work. A Cooperative Agreement between CVWD and COMB is proposed to facilitate the work which will require approval by COMB's board. | Construction likely occur in Fall/Winter (Oct to Dec) of 2021. |
| SCC Structure Rehabilitation : Lower Reach Laterals | COMB and CVWD staff exercised the valves on the laterals to determine how well they can be operated. COMB provided the draft lateral rehabilitation designs to CVWD. CVWD to complete the designs. | In order to facilitate shutdowns on the Lower Reach of the SCC, lateral valves need replacement. COMB is collaborating with CVWD on this project. | Construction will depend on collaboration with CVWD and likely to commence in Fall/Winter 2021/2022. |
| Special Projects | | | |
| Emergency Pumping Facility - Secured Pipeline Project | For the existing EFPF system - Key components of the barge are currently being stored under contract and 3600 feet of pipeline are stored at the lake shore at Lake Cachuma. Engineering designs have been submitted to Reclamation for their MP620 review for the Secured Pipeline Project. Reclamation is in the process of conducting the NEPA review. | The lake elevation is projected to remain above 685' until the Summer/Fall 2022. Installation of the EFPF is needed when the elevation is projected to fall below 685'. | Construction could occur in Summer of 2022 depending on lake elevations. |
| Watershed Sanitary Survey Update | COMB provided the data provided the agencies involved to Geosyntec for review. Geosyntec has prepared agency specific interview questions and will be conducting interviews and field visits in April and May. | The update is a collaborative effort 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 continues to implement recommended action items. These include the Secured Pipeline Project, updated bathymetric survey (planned by the County in 2021), and phosphorous/TOC source study (tentatively planned for Fall of 2021). COMB staff has increased frequency and locations of lake profiles to better document the lake turnover and will be preparing a presentation on that data at the ESRI conference. | 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: April 26, 2021
TO: Janet Gingras, General Manager
FROM: Shane King, Operations Supervisor

RE: MONTHLY REPORT OF OPERATIONS – March 2021

The total flow from Lake Cachuma into the Tecolote Tunnel for March was 1,974.8 acre-feet, for an average daily flow of 63.7 acre-feet. Lake elevation was 726.32 feet at the beginning of March and 725.23 feet at the end of March. Storage decreased by 2,517 acre-feet. There was no inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 55.26 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 320.9 acre-feet of water to Hilton Creek for the month of March.

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:

- 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 February 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.

Ongoing Monthly Operations Items:

- Conducted several flow changes at the North Portal during the month
- Reviewed several projects for conflicts within the SCC right of way
- Received and responded to 124 USA Dig alerts
- Performed weekly inspections of major facilities, safety meetings, rodent bait (all reservoirs), toe drain and piezometer reads at Ortega (L23)
- Performed dam inspection and instrumentation reports (all reservoirs)
- Performed equipment and yard maintenance
- Performed monthly North Portal elevator maintenance with Otis
- Performed monthly water quality sampling
- Read anodes and rectifier data

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

- The fish screens for the slide gates on the intake tower were cleaned and inspected. Inspection includes the condition of the sacrificial anodes, condition of the screens themselves, and to verify there are no signs of mussel/clam formations.
- The slide gates on the Intake Tower at Cachuma Lake were exercised and greased to ensure proper functionality.
- Staff assisted with the delivery of blocks and gravel to Glen Anne Turnout for the Goleta West Conduit
- Staff oversaw the commissioning of PLC 3 at Glen Anne Turnout by Aspect Engineering which updated obsolete hardware and this important communication site for COMB's SCADA system.
- Staff conducted annual weed abatement and brush clearing at all reservoirs and sites. This includes clearing of vegetation on dams, around reservoirs, and along the SCC easement.
- The Bureau conducted their comprehensive facility review where they inspect all four of the dams that COMB operates and maintains. This includes: Glen Anne Dam, Lauro Dam, Ortega Dam, and Carpinteria Dam. The USBR visits with a team of engineers to inspect these facilities and make recommendations on preventative maintenance and corrective actions to assist in the functionality and well-being of the Dams and Reservoirs.
- Staff cleaned and coated the inside of the Lauro Reservoir seismic fault drain catch basin vault as recommended by the USBR. Cleaning and coating the catch basin would allow staff to easily identify whether or not silt or other material is transferred through the dam in the event of an earthquake. This catch basin has been historically dry since its installation. (see photos)
- COMB contracted Challenge Asphalt to fill in cracks in the asphalt and lay an asphalt sealer on the road around Ortega reservoir. The cracks in the asphalt were concerning due to the fact that the road is part of the Ortega reservoir dam crest and over time, water from rainfall may wash away material and undermine the asphalt causing settling of the dam itself. This was also to complete a USBR Recommendation (see photos)
- COMB staff completed maintenance at the North Portal. This monthly maintenance includes checking fluids and fuel levels of the back-up power generator, running the backup generator for several minutes to ensure its proper functionality, lubing and running the Tecolote tunnel exhaust fan for several minutes to ensure proper functionality, and doing some general housekeeping and cleaning of the facility.
- Staff cleared a fallen tree on the access road to the Glen Anne turnout near the Glen Anne reservoir.
- Operations staff cleared some vegetation on the Lauro reservoir upstream dam slope as recommended by the USBR. (see photos)

Cleaning and coating the Lauro fault drain



Brush clearing at Lauro Dam



Ortega reservoir asphalt repair/sealer



CACHUMA OPERATION AND MAINTENANCE BOARD

BOARD MEMORANDUM

DATE: April 26, 2021
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- USBR continues to deliver the required 2000 Biological Opinion target flows to Hilton Creek (minimum of 2 cfs) by gravity through the Hilton Creek Watering System (HCWS) at approximately 5.1 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 (5 cfs) are being met by USBR for a Critically Dry water year (so far) through releases to Hilton Creek and from the Outlet Works to the Lower Santa Ynez River (LSYR) mainstem.
- USBR has tentatively scheduled the replacement of the two frozen valves involved with the Hilton Creek Emergency Backup System (HCEBS) for 5/5/21. COMB Fisheries Division (FD) staff will be collaborating with that effort as requested by USBR.

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

LSYR Steelhead Monitoring Elements:

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

Redd Surveys: Redd surveys are conducted approximately every two weeks from mid-January through May. Surveys are conducted within the LSYR mainstem in the Highway 154, Refugio, and Alisal reaches where access is permitted, and certain sections of Hilton, Quiota, and Salsipuedes/El Jaro creeks. The number of redds is reported in the Annual Monitoring Report/Summary.

Migrant Trapping: The 2021 Migrant Trapping Plan was provided to Reclamation in December who then submitted it to NMFS. This monitoring effort normally begins in January and continues through May depending on streamflow rates. The results are presented in the

Annual Monitoring Report/Summary. The Hilton Creek and Salsipuedes Creek traps were installed on 2/1/21 after the large storm towards the end of January. The LSYR Mainstem Trap will be installed when stormflow enables fish passage or in association with the Passage Supplementation Program if that program is initiated. Traps are removed during high flow events for safety of the staff, fishery and equipment, or if flows are too low to enable migration. All traps were removed on 4/6/21 as the juvenile take limit was reached as established in the WY2021 Migrant Trapping Plan, ending the monitoring effort for the year. Results of the trapping program are presented in the Annual Monitoring Report/Summary.

The Santa Ynez River Lagoon opened on 1/28/21, closed on 2/24/21, and continues to be closed to the ocean as of 4/21/21. The condition of the sand bar at the lagoon is routinely monitored.

Fish Passage Supplementation: Staff continues to provide watershed conditions to USBR for possibly conducting a Fish Passage Supplementation event. All criteria were met after the 1/27/21 storm for supplementing the next stormflow event. With a dry February and March, we are now out of criteria and will need a sequence of storms for the Fish Passage Supplementation Program to be conducted. Staff continues to monitor basin conditions and is in close contact with USBR.

Tributary Project Updates:

All planned projects have been successfully completed.

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

HCWS and HCEBS: The HCWS and HCEBS are owned, operated, and maintained by USBR. The HCEBS was completed at the end of January 2016. USBR technical staff continues to consider improvement options for the HCWS. Currently USBR is delivering water to Hilton Creek through the HCWS by gravity flow to the Upper Release Point (URP) with no backup from the HCEBS. The HCEBS delivery floating pipeline across the Stilling Basin was removed on 2/5/20 and then reinstalled between 3/2/21 and 3/4/21. During the installation, USBR discovered that two of the valves associated with the HCEBS were malfunctioning and needed to be replaced. Replacement of the valves by USBR staff is tentatively scheduled for 5/5/21. COMB-FD staff will be collaborating with USBR staff on the operation as requested. USBR needs the HCEBS operational when the lake level reaches approximately 723 ft (currently it is at 724.21 ft as of 4/21/21) when they prefer to go to the HCWS pumping system. The HCEBS can be operated by gravity flow to the URP which is a far superior water delivery method to Hilton Creek rather than relying on the HCWS pumping system.

Surcharge Water Accounting:

The following table summarizes the amount of surcharge water used to date from each of the three accounts plus unallocated project water 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 account has been used and USBR is now using Project water to meet BiOp target flows. Water Right (WR 89-18) release durations since 2013 are noted as follows: 7/15/13 - 12/2/13, 8/18/14 - 11/11/14, 8/3/15 - 9/26/15, 7/12/16 - 8/29/16, 8/21/17 - 11/8/17, 8/6/18 - 9/12/18, and 8/31/20 - 11/30/20. There were no WR 89-18 releases in 2019. The 2020 WR 89-18 release officially released 10,480 af over 92 days. 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 of WY2019; all additional releases for fish passage are from Unallocated Project Water as determined by Reclamation.

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 Water | | 22,117 | |
| Total: | 9,184 | 36,814 | -2,314 |
| * Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013. | | | |
| ** Values as of 3/31/21. | | | |
| *** 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 has been assisting USBR upon request in reviewing draft sections and conducting data analyses for their preparation of the new draft Biological Assessment.

The WY2020 Annual Monitoring Report (the USBR report) was submitted by COMB to USBR who then submitted it to NMFS and the State Board by the end of December. Staff completed and posted on the COMB webpage the WY2020 Annual Monitoring Summary (the COMB report) on 2/24/21. Staff has started working on the WY2021 Annual Monitoring Report/Summary.

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

Consultant Activity Summary:

HDR Fisheries Design Center (Mike Garello and Shaun Bevan) – no work has been conducted during this past month.

THIS PAGE INTENTIONALLY LEFT BLANK

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

| | |
|---------------|------------------------------|
| Date: | April 26, 2021 |
| 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 July, 2020 to the present (7/2/20 – 4/26/21, Table 1). Labor and expenses for the entire fiscal year (July 2020 - June 2021) as well as water usage will be tracked separately and reported as necessary as recommended by the Lake Cachuma Oak Tree Committee. COMB staff continues to rely on the Fisheries Division seasonal employees to conduct the majority of oak tree work in the field. The 2015 Lakeshore Inventory was completed and reviewed by the Lake Cachuma Oak Tree Committee on 2/25/16 which set the mitigation numbers for the Program. The 2019 Annual Report with the annual inventory and Fiscal Year 2019-20 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 9/3/20 and the COMB Board on 10/26/20 that approved going forward with planting another 300 oak trees and replacing 100 dead oak trees during the wet season of this water year.

Annual Inventory and Report

The 2020 Annual Inventory of all year classes was completed earlier this month. With the sheer number of trees needing to be cataloged, the Fisheries Division conducted the inventory between trap checks and during regular day shifts. Analyzing the data and developing the Annual Report is ongoing. The Annual Report will be completed shortly after the end of the Fiscal Year.

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

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

A very dry March (1.02” of rainfall recorded at Bradbury Dam) has prompted the Fisheries Division staff to continue irrigating recently planted oak trees. Staff has completed a full round of watering on the Year 12 and Year 11 trees located at the Santa Barbara County Park, and has begun watering Year 10 trees. In the absence of significant spring rainfall, staff will continue to irrigate other age classes of oak trees.

LIST OF EXHIBITS:

n/a

WATER YEAR 20-21 CACHUMA PROJECT ALLOCATION

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF MARCH 2021 AND THE WATER YEAR TO DATE (WYTD) ⁽¹⁾**

(All in rounded Acre Feet)

| CACHUMA PROJECT | | |
|---|----------------|-----------------|
| WATER PRODUCTION: | MONTH | WYTD |
| Cachuma Lake (Tec. Diversion) | 1,893.6 | 9,649.5 |
| Tecolote Tunnel Infiltration | 76.9 | 511.6 |
| Cachuma Lake (County Park) | 1.4 | 7.3 |
| Subtotal - Water Production | 1,971.9 | 10,168.4 |
| WATER DELIVERIES: | | |
| State Water Diversion | 66.0 | 181.5 |
| Cachuma Diversion | 2,001.7 | 10,168.6 |
| Storage gain/(loss) ⁽²⁾ | (48.1) | (98.9) |
| Subtotal - Water Deliveries | 2,019.6 | 10,251.2 |
| Total Water Production | 1,971.9 | 10,168.4 |
| Total Water Deliveries | 2,019.6 | 10,251.2 |
| Difference = Apparent Water Loss | (47.7) | (82.8) |
| % Apparent Water Loss | -2.42% | -0.81% |

SCC APPARENT WATER LOSS ALLOCATION (AWL) ⁽³⁾

| | GWD | SB CITY | MWD | CVWD | TOTAL |
|--|------------|----------------|------------|-------------|---------------|
| <u>CURRENT MONTH CHARGE / (ADJUSTMENT)</u> | | | | | |
| 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 |
| <u>WATER YEAR-TO-DATE CHARGE / (ADJUSTMENT)</u> | | | | | |
| 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) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total AWL Not Charged (WYTD) | | | | | (82.8) |
| Total AWL Incurred (WYTD) | | | | | (82.8) |

CACHUMA PROJECT WATER CHARGE

| | GWD | SB CITY | MWD | CVWD | SYRID #1 | TOTAL |
|---------------------------------------|----------------|----------------|----------------|----------------|-----------------|-----------------|
| <u>CURRENT MONTH</u> | | | | | | |
| Water Usage | | | | | | |
| M&I | 588.8 | 724.5 | 253.0 | 139.3 | 1.4 | 1,707.1 |
| Agricultural | 150.6 | 0.0 | 16.1 | 127.8 | N/A | 294.6 |
| Subtotal Project Water Use | 739.5 | 724.5 | 269.1 | 267.2 | 1.4 | 2,001.7 |
| (+) Apparent Water Loss | 0.0 | 0.0 | 0.0 | 0.0 | N/A | 0.0 |
| (+) Evaporative Loss ⁽⁴⁾ | 23.7 | 117.2 | 18.3 | 4.5 | 8.3 | 172.0 |
| Total Project Water Charge | 763.2 | 841.7 | 287.5 | 271.7 | 9.6 | 2,173.7 |
| <u>WATER YEAR-TO-DATE</u> | | | | | | |
| Water Usage | | | | | | |
| M&I | 3,790.7 | 2,217.7 | 1,165.2 | 882.0 | 7.3 | 8,062.9 |
| Agricultural | 1,087.4 | 0.0 | 87.6 | 930.8 | N/A | 2,105.7 |
| Subtotal Project Water Use | 4,878.0 | 2,217.7 | 1,252.7 | 1,812.8 | 7.3 | 10,168.6 |
| (+) Apparent Water Loss | 0.0 | 0.0 | 0.0 | 0.0 | N/A | 0.0 |
| (+) Evaporative Loss ⁽⁴⁾ | 182.2 | 610.3 | 107.1 | 46.5 | 40.6 | 986.7 |
| Total Project Water Charge (*) | 5,060.2 | 2,828.0 | 1,359.8 | 1,859.3 | 47.9 | 11,155.2 |

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

WATER YEAR 20-21 CACHUMA PROJECT ALLOCATION
CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF MARCH 2021 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 - 10/1/2020 | 8,297.4 | 20,298.1 | 4,015.7 | 2,410.8 | 1,303.6 | 36,325.6 |
| Transfers/Adjustment | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| (-) Project Water Charge (WYTD) | 5,060.2 | 2,828.0 | 1,359.8 | 1,859.3 | 47.9 | 11,155.2 |
| Balance Carryover Water | 3,237.2 | 17,470.1 | 2,655.9 | 551.5 | 1,255.7 | 25,170.4 |
| Current Year Allocation ⁽⁵⁾ | 9,322.0 | 8,277.0 | 2,651.0 | 2,813.0 | 2,651.0 | 25,714.0 |
| (-) Balance of Project Water Charge (WYTD) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Net Allocation Available Before Adjustments | 9,322.0 | 8,277.0 | 2,651.0 | 2,813.0 | 2,651.0 | 25,714.0 |
| <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⁾ | 25.0 | 17.0 | 17.0 | 11.0 | (70.0) | 0.0 |
| Transfers/Adjustment - SB/La Cumbre | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Transfers/Adjustment - Bishop Ranch | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Transfers/Adjustment - Juncal Transfer | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Transfers/Adjustment - GWD/SB Overlap | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Balance Current Year Allocation | 9,347.0 | 8,294.0 | 2,668.0 | 2,824.0 | 2,581.0 | 25,714.0 |
| Total Cachuma Project Water Available | 12,584.2 | 25,764.1 | 5,323.9 | 3,375.5 | 3,836.7 | 50,884.4 |

Footnotes

- (1) Water Year = October 1 through September 30; WYTD = Water Year to Date
- (2) Includes Lauro and Ortega Reservoirs only.
- (3) Based on correspondence from Michael Jackson, dated 09/15/17, which revised the approach to the assessment for unaccounted for water loss based on lake conditions
- (4) Per USBR, evaporation is applied to Cachuma Carryover and SWP water through standard contract formula effective April 1, 2017.
- (5) Per USBR, 100% allocation to Member Agencies, effective 10/1/20.
- (6) Per SWP Exchange Agrmt GWD received 0 AF; City of SB received 0 AF; MWD received 0 AF and CVWD received 0 AF from ID#1 in March 2021.
- (7) Memo only - State Water Deliveries to Lake Cachuma for March was 0 AF.

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTH: **MARCH 2021**

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 | 542.5 | Feet |
| Water in Storage | 383.46 | AF |

ORTEGA RESERVOIR

| | | |
|---------------------------------------|--------------|------|
| Capacity at 460' elevation: | 65 | AF |
| Capacity at outlet at elevation 440': | 0 | AF |
| Stage of Reservoir Elevation | 451.0 | Feet |
| Water in Storage | 32.69 | AF |

CARPINTERIA RESERVOIR

| | | |
|------------------------------------|--------------|------|
| Capacity at 384' elevation: | 45 | AF |
| Capacity at outlet elevation 362': | 0 | AF |
| Stage of Reservoir Elevation | 374.7 | Feet |
| Water in Storage | 22.85 | AF |

TOTAL STORAGE IN RESERVOIRS ⁽¹⁾

| | | |
|-------------------|--------|----|
| Change in Storage | 438.99 | AF |
| | -48.30 | 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 | 725.23 | Feet |
| Water in Storage | 119,955 | AF |
| Surface Area | 2,213 | Acres |
| Evaporation | 632.8 | AF |
| Inflow | 402.4 | AF |
| Downstream Release WR8918 | 0.0 | AF |
| Fish Release (Hilton Creek) | 320.9 | AF |
| Outlet | 179.0 | AF |
| Spill/Seismic Release | 0 | AF |
| State Water Project Water | 0.00 | AF |
| Change in Storage | -2,517 | AF |
| Tecolote Diversion | 1,974.8 | AF |

| | | | | | | |
|------------------|---------------|------|----------------|-------|---------------------------|-----|
| Rainfall: | Month: | 1.02 | Season: | 11.82 | Percent of Normal: | 66% |
|------------------|---------------|------|----------------|-------|---------------------------|-----|

(1) Glen Annie Reservoir is currently offline and excluded from Total Storage in Reservoirs amount.
 (2) In 2014, flashboard installation raised Cachuma Reservoir max elevation to 753' (193,305 AF); surcharge water reserved for fish releases.

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

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

Contract Entity: **Goleta Water District**
 Update by COMB 3/31/2021

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr |
|-------|----------------------------|-----------------------------|
| Oct | 8,297.4 | 9,322.0 |
| Nov | - | - |
| Dec | - | - |
| Jan | - | - |
| Feb | - | - |
| Mar | - | - |
| Apr | - | - |
| May | - | - |
| Jun | - | - |
| Jul | - | - |
| Aug | - | - |
| Sep | - | - |
| Total | 8,297.4 | 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 | Total |
| 735.9 | 272.2 | 1,008.1 | 66.3 | 1,008.1 | 1,074.4 | 782.2 | 292.2 | - |
| 670.2 | 235.5 | 905.7 | 33.6 | 905.7 | 939.3 | 693.5 | 245.8 | - |
| 657.0 | 219.0 | 876.0 | 22.8 | 876.0 | 898.9 | 672.7 | 226.1 | - |
| 587.7 | 120.4 | 708.1 | 15.1 | 708.1 | 723.2 | 597.9 | 125.3 | - |
| 551.0 | 89.7 | 640.7 | 20.6 | 640.7 | 661.3 | 564.5 | 96.8 | - |
| 588.8 | 150.6 | 739.5 | 23.7 | 739.5 | 763.2 | 603.6 | 159.6 | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| 3,790.7 | 1,087.4 | 4,878.0 | 182.2 | 4,878.0 | 5,060.2 | 3,914.4 | 1,145.8 | - |

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

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| SCHEDULE AND REVISIONS | | | SCHEDULE AND REVISIONS | | | |
|------------------------|---------|------------|------------------------|------------|---------|---------|
| | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| Begin Bal | 8,297.4 | 5,795.0 | 2,502.4 | 6,732.0 | 2,590.0 | 9,322.0 |
| ID#1 Exch (+25AF) | - | - | - | 13.6 | 11.4 | 25.0 |
| Oct | - | - | - | - | - | - |
| Nov | - | - | - | - | - | - |
| Dec | - | - | - | - | - | - |
| Jan | - | - | - | - | - | - |
| Feb | - | - | - | - | - | - |
| Mar | - | - | - | - | - | - |
| Apr | - | - | - | - | - | - |
| May | - | - | - | - | - | - |
| Jun | - | - | - | - | - | - |
| Jul | - | - | - | - | - | - |
| Aug | - | - | - | - | - | - |
| Sep | - | - | - | - | - | - |

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| BALANCE - CARRYOVER WATER | | | BALANCE - CURR YR ALLOC | | | |
|---------------------------|---------|------------|-------------------------|------------|---------|---------|
| | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| Oct | 7,223.0 | 5,012.8 | 2,210.2 | 6,745.6 | 2,601.4 | 9,347.0 |
| Nov | 6,283.7 | 4,319.3 | 1,964.5 | 6,745.6 | 2,601.4 | 9,347.0 |
| Dec | 5,384.8 | 3,646.5 | 1,738.3 | 6,745.6 | 2,601.4 | 9,347.0 |
| Jan | 4,661.6 | 3,048.6 | 1,613.1 | 6,745.6 | 2,601.4 | 9,347.0 |
| Feb | 4,000.3 | 2,484.1 | 1,516.2 | 6,745.6 | 2,601.4 | 9,347.0 |
| Mar | 3,237.2 | 1,880.6 | 1,356.6 | 6,745.6 | 2,601.4 | 9,347.0 |
| Apr | - | - | - | - | - | - |
| May | - | - | - | - | - | - |
| Jun | - | - | - | - | - | - |
| Jul | - | - | - | - | - | - |
| Aug | - | - | - | - | - | - |
| Sep | - | - | - | - | - | - |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 12,584.2

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

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

Contract Entity: **City of Santa Barbara**
 Update by COMB 3/31/2021

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

| TOTAL WATER USED | | | WATER USE CHARGED | | | | WATER USE CHARGED | | | |
|------------------|-----|---------|-------------------|---------|---------|---------|-------------------|-------|-------|-------|
| Acre-feet | | | Allocation | | | | Allocation | | | |
| M & I | Agr | Total | Evap | Used | Total | M & I | ----- | M & I | ----- | Total |
| 196.1 | - | 196.1 | 171.9 | 196.1 | 368.0 | 368.0 | - | - | - | - |
| 147.5 | - | 147.5 | 98.6 | 147.5 | 246.1 | 246.1 | - | - | - | - |
| 268.1 | - | 268.1 | 76.4 | 268.1 | 344.5 | 344.5 | - | - | - | - |
| 319.4 | - | 319.4 | 57.7 | 319.4 | 377.1 | 377.1 | - | - | - | - |
| 562.0 | - | 562.0 | 88.6 | 562.0 | 650.6 | 650.6 | - | - | - | - |
| 724.5 | - | 724.5 | 117.2 | 724.5 | 841.7 | 841.7 | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 2,217.7 | - | 2,217.7 | 610.3 | 2,217.7 | 2,828.0 | 2,828.0 | - | - | - | - |

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

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| SCHEDULE AND REVISIONS | | | SCHEDULE AND REVISIONS | | |
|------------------------|----------|------------|------------------------|------------|-------|
| | Total | Allocation | | Allocation | |
| | | M & I | ----- | M & I | ----- |
| Begin Bal | 20,298.1 | 20,298.1 | - | 8,277.0 | - |
| ID#1 Exch (+17AF) | - | - | - | 17.0 | - |
| Oct | - | - | - | - | - |
| Nov | - | - | - | - | - |
| Dec | - | - | - | - | - |
| Jan | - | - | - | - | - |
| Feb | - | - | - | - | - |
| Mar | - | - | - | - | - |
| Apr | - | - | - | - | - |
| May | - | - | - | - | - |
| Jun | - | - | - | - | - |
| Jul | - | - | - | - | - |
| Aug | - | - | - | - | - |
| Sep | - | - | - | - | - |

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| BALANCE - CARRYOVER WATER | | | BALANCE - CURR YR ALLOC | | |
|---------------------------|----------|------------|-------------------------|------------|-------|
| | Total | Allocation | | Allocation | |
| | | M & I | ----- | M & I | ----- |
| Oct | 19,930.1 | 19,930.1 | - | 8,294.0 | - |
| Nov | 19,684.0 | 19,684.0 | - | 8,294.0 | - |
| Dec | 19,339.5 | 19,339.5 | - | 8,294.0 | - |
| Jan | 18,962.4 | 18,962.4 | - | 8,294.0 | - |
| Feb | 18,311.8 | 18,311.8 | - | 8,294.0 | - |
| Mar | 17,470.1 | 17,470.1 | - | 8,294.0 | - |
| Apr | - | - | - | - | - |
| May | - | - | - | - | - |
| Jun | - | - | - | - | - |
| Jul | - | - | - | - | - |
| Aug | - | - | - | - | - |
| Sep | - | - | - | - | - |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 25,764.1

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

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

Contract Entity: **Montecito Water District**
 Update by COMB 3/31/2021

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

| TOTAL WATER USED | | | WATER USE CHARGED | | | WATER USE CHARGED | | |
|------------------|------|---------|-------------------|---------|---------|-------------------|-------|-------|
| Acre-feet | | | Allocation | | | Allocation | | |
| M & I | Agr | Total | Evap | Used | Total | M & I | Agr | Total |
| 226.9 | 17.7 | 244.6 | 33.1 | 244.6 | 277.7 | 250.5 | 27.2 | - |
| 182.9 | 16.8 | 199.7 | 18.1 | 199.7 | 217.8 | 195.5 | 22.3 | - |
| 187.0 | 18.6 | 205.6 | 13.4 | 205.6 | 219.0 | 196.2 | 22.8 | - |
| 140.4 | 8.8 | 149.2 | 9.7 | 149.2 | 158.9 | 146.9 | 12.0 | - |
| 174.9 | 9.5 | 184.4 | 14.5 | 184.4 | 198.9 | 184.5 | 14.4 | - |
| 253.0 | 16.1 | 269.1 | 18.3 | 269.1 | 287.5 | 264.7 | 22.7 | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| 1,165.2 | 87.6 | 1,252.7 | 107.1 | 1,252.7 | 1,359.8 | 1,238.2 | 121.6 | - |

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

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| SCHEDULE AND REVISIONS | | | SCHEDULE AND REVISIONS | | | |
|------------------------|---------|------------|------------------------|------------|-------|---------|
| | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| Begin Bal | 4,015.7 | 2,855.8 | 1,159.9 | 2,244.0 | 407.0 | 2,651.0 |
| ID#1 Exch (+17AF) | - | - | - | 9.2 | 7.8 | 17.0 |
| Oct | - | - | - | - | - | - |
| Nov | - | - | - | - | - | - |
| Dec | - | - | - | - | - | - |
| Jan | - | - | - | - | - | - |
| Feb | - | - | - | - | - | - |
| Mar | - | - | - | - | - | - |
| Apr | - | - | - | - | - | - |
| May | - | - | - | - | - | - |
| Jun | - | - | - | - | - | - |
| Jul | - | - | - | - | - | - |
| Aug | - | - | - | - | - | - |
| Sep | - | - | - | - | - | - |

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| BALANCE - CARRYOVER WATER | | | BALANCE - CURR YR ALLOC | | | |
|---------------------------|---------|------------|-------------------------|------------|-------|---------|
| | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| Oct | 3,738.0 | 2,605.3 | 1,132.7 | 2,253.2 | 414.8 | 2,668.0 |
| Nov | 3,520.2 | 2,409.8 | 1,110.4 | 2,253.2 | 414.8 | 2,668.0 |
| Dec | 3,301.2 | 2,213.6 | 1,087.5 | 2,253.2 | 414.8 | 2,668.0 |
| Jan | 3,142.3 | 2,066.8 | 1,075.5 | 2,253.2 | 414.8 | 2,668.0 |
| Feb | 2,943.4 | 1,882.3 | 1,061.1 | 2,253.2 | 414.8 | 2,668.0 |
| Mar | 2,655.9 | 1,617.6 | 1,038.3 | 2,253.2 | 414.8 | 2,668.0 |
| Apr | - | - | - | - | - | - |
| May | - | - | - | - | - | - |
| Jun | - | - | - | - | - | - |
| Jul | - | - | - | - | - | - |
| Aug | - | - | - | - | - | - |
| Sep | - | - | - | - | - | - |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 5,323.9

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

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

Contract Entity: **Carpinteria Valley Water District**
 Update by COMB 3/31/2021

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

| TOTAL WATER USED | | | WATER USE CHARGED | | | WATER USE CHARGED | | |
|------------------|-------|---------|-------------------|---------|---------|-------------------|-------|-------|
| Acre-feet | | | Allocation | | | Allocation | | |
| M & I | Agr | Total | Evap | Used | Total | M & I | Agr | Total |
| 164.1 | 209.1 | 373.3 | 18.9 | 373.3 | 392.2 | 173.9 | 218.3 | - |
| 158.3 | 186.3 | 344.7 | 9.2 | 344.7 | 353.8 | 163.2 | 190.6 | - |
| 158.5 | 183.5 | 342.1 | 5.8 | 342.1 | 347.9 | 161.7 | 186.2 | - |
| 134.8 | 116.5 | 251.2 | 3.6 | 251.2 | 254.8 | 136.8 | 118.0 | - |
| 126.9 | 107.5 | 234.4 | 4.5 | 234.4 | 238.9 | 129.5 | 109.4 | - |
| 139.3 | 127.8 | 267.2 | 4.5 | 267.2 | 271.7 | 141.9 | 129.7 | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| 882.0 | 930.8 | 1,812.8 | 46.5 | 1,812.8 | 1,859.3 | 907.0 | 952.3 | - |

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

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| SCHEDULE AND REVISIONS | | | SCHEDULE AND REVISIONS | | | |
|------------------------|---------|------------|------------------------|------------|---------|---------|
| | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| Begin Bal | 2,410.8 | 1,242.0 | 1,168.8 | 1,400.0 | 1,413.0 | 2,813.0 |
| ID#1 Exch (+11AF) | - | - | - | 6.0 | 5.0 | 11.0 |
| Oct | - | - | - | - | - | - |
| Nov | - | - | - | - | - | - |
| Dec | - | - | - | - | - | - |
| Jan | - | - | - | - | - | - |
| Feb | - | - | - | - | - | - |
| Mar | - | - | - | - | - | - |
| Apr | - | - | - | - | - | - |
| May | - | - | - | - | - | - |
| Jun | - | - | - | - | - | - |
| Jul | - | - | - | - | - | - |
| Aug | - | - | - | - | - | - |
| Sep | - | - | - | - | - | - |

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| BALANCE - CARRYOVER WATER | | | BALANCE - CURR YR ALLOC | | | |
|---------------------------|---------|------------|-------------------------|------------|---------|---------|
| | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| Oct | 2,018.6 | 1,068.1 | 950.5 | 1,406.0 | 1,418.0 | 2,824.0 |
| Nov | 1,664.8 | 904.9 | 759.8 | 1,406.0 | 1,418.0 | 2,824.0 |
| Dec | 1,316.9 | 743.3 | 573.6 | 1,406.0 | 1,418.0 | 2,824.0 |
| Jan | 1,062.1 | 606.5 | 455.6 | 1,406.0 | 1,418.0 | 2,824.0 |
| Feb | 823.2 | 477.0 | 346.2 | 1,406.0 | 1,418.0 | 2,824.0 |
| Mar | 551.5 | 335.0 | 216.5 | 1,406.0 | 1,418.0 | 2,824.0 |
| Apr | - | - | - | - | - | - |
| May | - | - | - | - | - | - |
| Jun | - | - | - | - | - | - |
| Jul | - | - | - | - | - | - |
| Aug | - | - | - | - | - | - |
| Sep | - | - | - | - | - | - |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 3,375.5

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

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

Contract Entity: **Santa Ynez River Water Conservation District, ID#1**
 Update by COMB 3/31/2021

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

| TOTAL WATER USED | | | | WATER USE CHARGED | | | WATER USE CHARGED | | | |
|------------------|-----|-------|------|-------------------|-------|-------|-------------------|-------|-----|-------|
| Acre-feet | | | | Allocation | | | Allocation | | | |
| M & I | Agr | Total | Evap | Used | Total | M & I | Agr | M & I | Agr | Total |
| 1.8 | - | 1.8 | 11.1 | 1.8 | 12.9 | 2.1 | 10.7 | - | - | - |
| 1.3 | - | 1.3 | 6.4 | 1.3 | 7.7 | 1.5 | 6.2 | - | - | - |
| 1.5 | - | 1.5 | 5.0 | 1.5 | 6.5 | 1.6 | 4.9 | - | - | - |
| 0.7 | - | 0.7 | 3.8 | 0.7 | 4.5 | 0.8 | 3.7 | - | - | - |
| 0.7 | - | 0.7 | 6.0 | 0.7 | 6.7 | 0.9 | 5.9 | - | - | - |
| 1.4 | - | 1.4 | 8.3 | 1.4 | 9.6 | 1.6 | 8.0 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 7.3 | - | 7.3 | 40.6 | 7.3 | 47.9 | 8.5 | 39.4 | - | - | - |

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

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| SCHEDULE AND REVISIONS | | | SCHEDULE AND REVISIONS | | | |
|------------------------|---------|------------|------------------------|------------|---------|---------|
| | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| Begin Bal | 1,303.6 | 43.0 | 1,260.6 | 935.0 | 1,716.0 | 2,651.0 |
| ID#1 Exch (-70AF) | - | - | - | (38.0) | (32.0) | (70.0) |
| Oct | - | - | - | - | - | - |
| Nov | - | - | - | - | - | - |
| Dec | - | - | - | - | - | - |
| Jan | - | - | - | - | - | - |
| Feb | - | - | - | - | - | - |
| Mar | - | - | - | - | - | - |
| Apr | - | - | - | - | - | - |
| May | - | - | - | - | - | - |
| Jun | - | - | - | - | - | - |
| Jul | - | - | - | - | - | - |
| Aug | - | - | - | - | - | - |
| Sep | - | - | - | - | - | - |

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| BALANCE - CARRYOVER WATER | | | BALANCE - CURR YR ALLOC | | | |
|---------------------------|---------|------------|-------------------------|------------|---------|---------|
| County Parks Usage (AF) | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| 1.8 | 1,290.7 | 40.9 | 1,249.9 | 897.0 | 1,684.0 | 2,581.0 |
| 1.3 | 1,283.1 | 39.4 | 1,243.7 | 897.0 | 1,684.0 | 2,581.0 |
| 1.5 | 1,276.6 | 37.7 | 1,238.8 | 897.0 | 1,684.0 | 2,581.0 |
| 0.7 | 1,272.1 | 37.0 | 1,235.1 | 897.0 | 1,684.0 | 2,581.0 |
| 0.7 | 1,265.3 | 36.1 | 1,229.2 | 897.0 | 1,684.0 | 2,581.0 |
| 1.4 | 1,255.7 | 34.5 | 1,221.2 | 897.0 | 1,684.0 | 2,581.0 |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | - |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) 3,836.7

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

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

Contract Entity: **Santa Barbara Co. Water Agency**
 Update by COMB 3/31/2021

| Month | Carryover Balance Prior Yr | Approved Allocation Curr Yr | TOTAL WATER USED | | | | WATER USE CHARGED | | | WATER USE CHARGED | | | | |
|-------|----------------------------|-----------------------------|------------------|---------|---------|----------|-------------------|----------|----------|-------------------|---------|-------|-----|-------|
| | | | Acre-feet | | | | Allocation | | | Allocation | | | | |
| | | | Use % | M & I | Agr | Total | Evap | Div | Total | M & I | Agr | M & I | Agr | Total |
| Oct | 36,325.6 | 25,714.0 | 0.0 | 1,324.9 | 499.0 | 1,823.9 | 301.4 | 1,823.9 | 2,125.3 | 1,576.8 | 548.5 | - | - | - |
| Nov | - | - | 0.0 | 1,160.2 | 438.6 | 1,598.9 | 165.8 | 1,598.9 | 1,764.7 | 1,299.8 | 464.9 | - | - | - |
| Dec | - | - | 0.0 | 1,272.1 | 421.2 | 1,693.3 | 123.4 | 1,693.3 | 1,816.7 | 1,376.7 | 440.1 | - | - | - |
| Jan | - | - | 0.0 | 1,182.9 | 245.7 | 1,428.6 | 89.9 | 1,428.6 | 1,518.5 | 1,259.5 | 259.0 | - | - | - |
| Feb | - | - | 0.0 | 1,415.6 | 206.6 | 1,622.3 | 134.1 | 1,622.3 | 1,756.4 | 1,529.9 | 226.5 | - | - | - |
| Mar | - | - | 0.0 | 1,707.1 | 294.6 | 2,001.7 | 172.0 | 2,001.7 | 2,173.7 | 1,853.6 | 320.1 | - | - | - |
| Apr | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| May | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Jun | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Jul | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Aug | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sep | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | 36,325.6 | 25,714.0 | 0.2 | 8,062.9 | 2,105.7 | 10,168.6 | 986.7 | 10,168.6 | 11,155.2 | 8,896.2 | 2,259.0 | - | - | - |

| 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 | - | - | - | - |
| Aug | - | - | - | - |
| Sep | - | - | - | - |

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| Month | SCHEDULE AND REVISIONS | | | SCHEDULE AND REVISIONS | | |
|-----------|------------------------|------------|---------|------------------------|---------|----------|
| | Total | Allocation | | Allocation | | Total |
| | | M & I | Agr | M & I | Agr | |
| Begin Bal | 36,325.6 | 30,233.9 | 6,091.7 | 19,588.0 | 6,126.0 | 25,714.0 |
| Oct | - | - | - | 7.8 | (7.8) | - |
| Nov | - | - | - | - | - | - |
| Dec | - | - | - | - | - | - |
| Jan | - | - | - | - | - | - |
| Feb | - | - | - | - | - | - |
| Mar | - | - | - | - | - | - |
| Apr | - | - | - | - | - | - |
| May | - | - | - | - | - | - |
| Jun | - | - | - | - | - | - |
| Jul | - | - | - | - | - | - |
| Aug | - | - | - | - | - | - |
| Sep | - | - | - | - | - | - |

Month
 Oct
 Nov
 Dec
 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep

| Month | BALANCE - CARRYOVER WATER | | | BALANCE - CURR YR ALLOC | | | |
|-------|---------------------------|------------|----------|-------------------------|----------|---------|----------|
| | County Parks Usage (AF) | Allocation | | Allocation | | Total | |
| | | M & I | Agr | M & I | Agr | | |
| Oct | 1.8 | 34,200.3 | 28,657.1 | 5,543.2 | 19,595.8 | 6,118.2 | 25,714.0 |
| Nov | 1.3 | 32,435.7 | 27,357.3 | 5,078.3 | 19,595.8 | 6,118.2 | 25,714.0 |
| Dec | 1.5 | 30,618.9 | 25,980.6 | 4,638.3 | 19,595.8 | 6,118.2 | 25,714.0 |
| Jan | 0.7 | 29,100.4 | 24,721.2 | 4,379.2 | 19,595.8 | 6,118.2 | 25,714.0 |
| Feb | 0.7 | 27,344.0 | 23,191.3 | 4,152.8 | 19,595.8 | 6,118.2 | 25,714.0 |
| Mar | 1.4 | 25,170.4 | 21,337.7 | 3,832.7 | 19,595.8 | 6,118.2 | 25,714.0 |
| Apr | - | - | - | - | - | - | - |
| May | - | - | - | - | - | - | - |
| Jun | - | - | - | - | - | - | - |
| Jul | - | - | - | - | - | - | - |
| Aug | - | - | - | - | - | - | - |
| Sep | - | - | - | - | - | - | - |

TOTAL CACHUMA PROJECT BALANCE (CARRYOVER + CURRENT YR ALLOCATION) **50,884.4**

CACHUMA DAILY OPERATIONS

Month & Year: April 2021
 Time of Observations: 0830 Evaporation Pan Factor: 80%

| Day | Beginning Storage: 119,955 | | | Surface Area | Rainfall | | Evaporation | | CCWA Inflow | Releases | | | | | Computed Inflow | | |
|---------------|----------------------------|------------------|------------------|--------------|----------|---|-------------|-------|-------------|----------------|---------------|------------------|---------------|------------------|-----------------|------------------|------------------|
| | Elevation | Storage | Change | | | | | | | Park Diversion | South Coast | Hilton Creek | WR 89-18 | Outlet | | Spillway | |
| | <i>ft</i> | <i>acre-feet</i> | <i>acre-feet</i> | | | | | | | <i>acres</i> | <i>inches</i> | <i>acre-feet</i> | <i>inches</i> | <i>acre-feet</i> | | <i>acre-feet</i> | <i>acre-feet</i> |
| 1 | 725.18 | 119,845 | (110) | 2,211 | - | | 0.330 | 48.7 | - | | 94.9 | 10.3 | - | 5.0 | - | 48.9 | |
| 2 | 725.11 | 119,690 | (155) | 2,210 | - | | 0.090 | 13.3 | - | | 95.1 | 10.3 | - | 6.0 | - | (30.3) | |
| 3 | 725.06 | 119,579 | (111) | 2,208 | - | | 0.300 | 44.2 | - | | 93.2 | 10.3 | - | 5.0 | - | 41.7 | |
| 4 | 725.00 | 119,447 | (132) | 2,207 | - | | 0.200 | 29.4 | - | | 96.6 | 10.3 | - | 6.0 | - | 10.3 | |
| 5 | 724.95 | 119,336 | (111) | 2,206 | - | | 0.180 | 26.5 | - | | 91.7 | 10.3 | - | 5.0 | - | 22.5 | |
| 6 | 724.90 | 119,225 | (111) | 2,205 | - | | 0.150 | 22.0 | - | | 90.9 | 10.2 | - | 7.0 | - | 19.1 | |
| 7 | 724.84 | 119,093 | (132) | 2,203 | - | | 0.120 | 17.6 | - | | 82.8 | 10.2 | - | 6.0 | - | (15.4) | |
| 8 | 724.80 | 119,004 | (89) | 2,202 | - | | 0.060 | 8.8 | - | | 81.5 | 10.2 | - | 7.0 | - | 18.5 | |
| 9 | 724.75 | 118,894 | (110) | 2,201 | - | | 0.270 | 39.6 | - | | 83.5 | 10.2 | - | 7.0 | - | 30.3 | |
| 10 | 724.69 | 118,761 | (133) | 2,199 | - | | 0.190 | 27.9 | - | | 74.7 | 10.2 | - | 6.0 | - | (14.2) | |
| 11 | 724.65 | 118,673 | (88) | 2,198 | - | | 0.170 | 24.9 | - | | 72.9 | 10.2 | - | 7.0 | - | 27.0 | |
| 12 | 724.60 | 118,563 | (110) | 2,197 | - | | 0.140 | 20.5 | - | | 72.1 | 10.2 | - | 6.0 | - | (1.2) | |
| 13 | 724.55 | 118,453 | (110) | 2,196 | - | | 0.140 | 20.5 | 0.4 | | 73.5 | 10.2 | - | 7.0 | - | 0.8 | |
| 14 | 724.51 | 118,366 | (87) | 2,195 | - | | 0.050 | 7.3 | - | | 73.1 | 10.2 | - | 6.0 | - | 9.6 | |
| 15 | 724.45 | 118,235 | (131) | 2,193 | - | | 0.160 | 23.4 | - | | 71.3 | 10.2 | - | 7.0 | - | (19.1) | |
| 16 | 724.41 | 118,147 | (88) | 2,192 | - | | 0.240 | 35.1 | - | | 73.3 | 10.2 | - | 6.0 | - | 36.6 | |
| 17 | 724.36 | 118,038 | (109) | 2,191 | - | | 0.170 | 24.8 | - | | 72.1 | 10.1 | - | 6.0 | - | 4.0 | |
| 18 | 724.31 | 117,929 | (109) | 2,189 | - | | 0.140 | 20.4 | - | | 72.4 | 10.2 | - | 7.0 | - | 1.0 | |
| 19 | 724.26 | 117,820 | (109) | 2,188 | - | | 0.260 | 37.9 | - | | 72.9 | 10.1 | - | 6.0 | - | 17.9 | |
| 20 | 724.21 | 117,710 | (110) | 2,187 | - | | 0.190 | 27.7 | - | | 73.0 | 10.1 | - | 7.0 | - | 7.8 | |
| 21 | 724.16 | 117,601 | (109) | 2,185 | - | | 0.190 | 27.7 | - | | 80.5 | 10.1 | - | 7.0 | - | 16.3 | |
| 22 | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | |
| TOTALS | | | (2,354) | | - | - | 3.740 | 548.2 | - | 0.4 | - | 1,692.0 | 214.3 | - | 132.0 | - | 232.1 |

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: **March 2021****



| Cachuma Lake Recreation Area Launch Data -- March 2021 | | |
|---|-----|-----|
| Vessel Data | | |
| Total Vessels Entering Park | 820 | |
| Total Vessels Launched | 801 | |
| Total Vessels Quarantined | 19 | |
| Returning (Tagged) Boats Launched | 657 | 82% |
| Kayak/Canoe Launched | 144 | 18% |
| 4-stroke Engines | * | |
| 2-strokes, w/CARB star ratings | * | |
| 2-strokes, NO emissions ratings | * | |
| Vessel Inspection Data | | |
| Total Vessels Inspected | 79 | |
| Boats Inspected | 11 | |
| Kayaks/Canoes Inspected | 57 | |
| Simple Boats Inspected | 11 | |
| Inspections Passed | 73 | |
| Inspections Failed | 6 | |
| Quarantine Data | | |
| Total Vessels Quarantined | 19 | |
| Quarantined 14 days | * | |
| Quarantined 30 days | 19 | |
| Quarantine Cause | | |
| Water on vessel* | * | |
| Debris on hull* | * | |
| Plug installed* | * | |
| From infected county | 5 | |
| Ballast tanks* | * | |
| Boat longer than 24 feet* | * | |
| Out-of-state | 0 | |
| Unspecified* | * | |
| Mandatory Quarantine All Untagged Boats | 19 | |
| Demographic Data | | |
| Quarantined from infected county | 5 | |
| Quarantined from SB County | 11 | |
| 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: 2021.03.26; 10 a.m. to 12 p.m. PDT.

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

Surveyors: Santa Barbara County, Parks Division Employees.

Lake elevation: Max feet: 753.00, current 725.48; Max acre-feet: 193,305, current: 120,508;

Current capacity: 62.3%