



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

**Monday, October 25, 2021  
1:00 P.M.**

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**BY TELECONFERENCE**

**NOTICE:** Pursuant to California Government Code sections 54953(b)(1), (b)(2), (e)(1) and (e)(3) (AB 361), members of the Cachuma Operation & Maintenance Board (COMB) Board of Directors, staff, and members of the public will participate in this meeting electronically by video and/or teleconference, as described below.

**HOW TO OBSERVE THE MEETING**

Members of the public may observe the meeting as set forth below.

**Join via video conference:**

<https://us02web.zoom.us/j/83344689475?pwd=c1NEVTFwZzIVcW84NE5nSFovbnlMUT09>

Passcode: 786096

**Join via teleconference:**

US: +1 669 900 6833 Conference ID: 833 4468 9475 Passcode: 786096

**HOW TO MAKE A PUBLIC COMMENT**

Any member of the public may address the Board on any subject within the jurisdiction of the Board of Directors. 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.

**By Video:** Those observing the meeting by video may make comments during designated public comment periods using the “raise hand” feature. Commenters will be required to unmute their respective microphone when providing comments.

**By Telephone:** Those observing the meeting by telephone may make comments during the designated public comment periods by pressing \*9 on the key pad to indicate such interest. Commenters will be prompted to press \*6 to unmute their respective telephone when called upon to speak.

**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.

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

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**Monday, October 25, 2021**

**1:00 PM**

**AGENDA**

**NOTICE:** This Meeting shall be conducted through remote access as authorized and in accordance with Government Code section 54953 and the California Governor's Executive Order's N-08-21, N-15-21 and as amended by AB 361.

1. **CALL TO ORDER, ROLL CALL**
2. **RESOLUTION NO. 735 – CONFIRMATION OF LOCAL EMERGENCY - RATIFICATION OF GOVERNOR NEWSOM'S DECLARED STATE OF EMERGENCY (HEALTH AND SAFETY)**  
Action: Recommend approval by motion and roll call vote of the Board
3. **PUBLIC COMMENT** (*Public may address the Board on any subject matter within the Board's jurisdiction. See "Notice to the Public" below.*)
4. **CONSENT AGENDA** (*All items on the Consent Agenda are considered to be routine and will be approved or rejected in a single motion. Any item placed on the Consent Agenda may be removed and placed on the Regular Agenda for discussion and possible action upon the request of any Board Member.*)  
Action: Recommend Approval of Consent Agenda by motion and roll call vote of the Board:
  - a. Minutes of September 27, 2021 Regular Board Meeting
  - b. Investment of Funds
    - Financial Reports
    - Investment Reports
  - c. Review of Paid Claims
5. **VERBAL REPORTS FROM BOARD COMMITTEES**  
Receive verbal information regarding the following committee meetings:
  - Fisheries Committee Meeting – October 15, 2021
  - Operations Committee Meeting - October 21, 2021
6. **FINANCIAL REVIEW – 1<sup>ST</sup> QUARTER FISCAL YEAR 2021-22**  
Action: Receive and file information on the 1<sup>ST</sup> Quarter Fiscal Year 2021-22 Financial Review
7. **COMB / CARPINTERIA VALLEY WATER DISTRICT (CVWD) DRAFT COOPERATIVE AGREEMENT**  
Action: Receive information on the Draft Cooperative Agreement and provide direction to staff, as appropriate

8. **INFRASTRUCTURE IMPROVEMENT PROJECT (IIP) – SECURED PIPELINE PROJECT CONTRACT ADDENDUM**  
Action: Recommend approval by motion and roll call vote of the Board
9. **IIP – PROPOSED MOBILE OFFICE BUILDING CONTRACT ADDENDUM**  
Action: Recommend approval by motion and roll call vote of the Board
10. **PROPOSED PURCHASE OF FISHERIES DIVISION EQUIPMENT**  
Action: Recommend approval by motion and roll call vote of the Board
11. **GENERAL MANAGER REPORT**  
Receive information from the General Manager on topics pertaining to COMB, including but not limited to the following:
  - Administration
  - Virtual Meetings
12. **ENGINEER’S REPORT**  
Receive information from the COMB Engineer, including but not limited to the following:
  - Climate Conditions
  - Lake Elevation Projections
  - Alisal Fire
  - Infrastructure Improvement Projects
13. **OPERATIONS DIVISION REPORT**  
Receive information regarding the Operations Division, including but not limited to the following:
  - Lake Cachuma Operations
  - Operation and Maintenance Activities
14. **FISHERIES DIVISION REPORT**  
Receive information from the Fisheries Division Manager, including, but not limited to the following:
  - LSYR Steelhead Monitoring Elements
  - Tributary Project Updates
  - Surcharge Water Accounting
  - Reporting/Outreach/Training
15. **PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**  
Receive information regarding the Lake Cachuma Oak Tree Program including but not limited to the following:
  - Maintenance and Monitoring
16. **MONTHLY CACHUMA PROJECT REPORTS**  
Receive information regarding the Cachuma Project, including but not limited to the following:
  - a. Cachuma Reservoir Current Conditions
  - b. Lake Cachuma Quagga Survey
17. **DIRECTORS’ REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING**
18. **[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

**19. RECONVENE INTO OPEN SESSION**

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

- 18a. 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

**20. MEETING SCHEDULE**

- **November 15, 2021 at 9:00 AM**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**

**21. COMB ADJOURNMENT**

**NOTICE TO PUBLIC**

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

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

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

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

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

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 25, 2021
Submitted by:	Janet Gingras

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**SUBJECT:** Resolution No. 735 – Confirmation of Local Emergency – Ratification of Governor Newsom’s Declared State of Emergency (Health and Safety)

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**RECOMMENDATION:**

The Board of Directors adopt Resolution No. 735 pursuant to the requirements of AB 361 allowing the current meeting, and subsequent Board meetings that occur within the next 30 days up to November 25, 2021 be held virtually in compliance with applicable state law.

**DISCUSSION:**

On March 4, 2020, Governor Gavin Newsom declared a state of emergency to exist due to the COVID-19 pandemic and its impact on human health and safety. Governor Newsom issued Executive Order N-29-20 which allows local agencies to meet virtually rather than in-person while still complying with state open-meeting laws (e.g., Brown Act), using videoconferencing technology to decrease meeting attendees’ potential exposure to COVID-19. The pandemic still persists and the declared state of emergency remains in place. COMB has met successfully and in compliance with the Brown Act using a commercial videoconferencing platform and providing for public access.

The Executive Order N-29-20 waiver of Brown Act meeting requirements expired on September 30, 2021. Assembly Bill 361 (Open meetings: state and local agencies: teleconferences) was signed into law on September 16, 2021 and, effective October 1<sup>st</sup>, applies to local agencies intending to meet virtually in the interest of reducing COVID-19 exposure. AB 361 requires public agencies to regularly review and find an ongoing need to hold public meetings by teleconference. Accordingly, COMB must make the following findings by majority vote within 30 days of holding a meeting by teleconference for the first time under AB 361, then every 30 days thereafter. The requirements that allow the board to meet virtually are: a) a governor-declared state of emergency is in effect; and b) a majority of the board must vote that, as a result of the emergency, meeting in person would present imminent risk to the health or safety of attendees.

**LEGAL CONCURRENCE:**

Legal counsel has reviewed Resolution No. 735.

**LIST OF EXHIBITS:**

1. Resolution No. 735

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**RESOLUTION NO. 735**

**A RESOLUTION OF THE GOVERNING BOARD OF THE CACHUMA OPERATION AND MAINTENANCE BOARD ACKNOWLEDGING A LOCAL EMERGENCY, RATIFYING THE PROCLAMATION OF A STATE OF EMERGENCY BY GOVERNOR NEWSOM'S ORDER DATED MARCH 4, 2020 AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS PURSUANT TO BROWN ACT PROVISIONS**

**Recitals**

**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; and

**WHEREAS**, COMB is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

**WHEREAS**, all meetings of the COMB Governing Board are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code sections 54950 – 54963)(“Brown Act”), so that any member of the public may attend, participate and watch COMB’s governing body conduct its business; and

**WHEREAS**, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

**WHEREAS**, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the State caused by conditions as described in Government Code section 8558; and

**WHEREAS**, it is further required that State or local officials have imposed or recommended measures to promote social distancing, or, the governing body determines that meeting in person would present imminent risks to the health and safety of attendees; and

**WHEREAS**, on March 4, 2020, Governor Gavin Newsom proclaimed a State of Emergency to exist in California due to the threat of COVID-19; despite sustained efforts, the virus, and its variants, continues to spread and has impacted nearly all sectors of California; and

**WHEREAS**, on September 5, 2021, the Santa Barbara County Health Officer issued Order 2021-10.4, requiring face coverings in all public indoor settings in response to the rise in SARS-CoV-2 Delta Variant; and

**WHEREAS**, the COMB Governing Board does hereby find that the rise in SARS-CoV-2 Delta Variant has caused, and will continue to cause, conditions of peril to the safety of persons within COMB's jurisdictional boundaries that are likely to be beyond the control of services, personnel, equipment, and facilities of COMB, and acknowledges and ratifies the proclamation of a state of emergency by the Governor of the State of California and the Santa Barbara County Health Officer's Order 2021-10.4; and

**WHEREAS**, as a consequence of the local emergency, the COMB Governing Board does hereby find that meeting in person would pose imminent risks to the health or safety of attendees; and

**WHEREAS**, the COMB Governing Board does hereby find that COMB shall continue to conduct its meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

**WHEREAS**, all meeting agendas, meeting dates, times and manner in which the public may participate in the public meetings of COMB and offer public comment by telephone or internet-based services options, including video conference, are posted on the COMB website and physically within COMB's jurisdictional boundaries.

**WHEREAS**, the COMB Governing Board adopted virtual meeting protocols on April 9, 2020, which include options for public participation.

**NOW, THEREFORE, IT IS HEREBY RESOLVED** by the COMB Governing Board, as follows:

1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.
2. Proclamation of Local Emergency. The Governing Board hereby acknowledges and ratifies the Santa Barbara County Health Officer's Order 2021-10.4 that a local emergency now exists, and finds that COVID-19 has caused, and will continue to cause, conditions of peril to the safety of persons within COMB that are likely to be beyond the control of services, personnel, equipment, and facilities of COMB.

3. Risks to Health and Safety of Attendees. The Governing Board hereby determines that meeting in person would present imminent risks to the health and safety of attendees.
4. Ratification of Governor's Proclamation of a State of Emergency. The Governing Board hereby acknowledges and ratifies the Governor of the State of California's Proclamation of State of Emergency, effective as of its issuance date of March 4, 2020.
5. Remote Teleconference Meetings. COMB staff are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.
6. Effective Date of Resolution. This Resolution shall take effect on October 25, 2021, and shall be effective until the earlier of (i) November 25, 2021, or such time the Governing Board adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which the legislative bodies of COMB may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

**ADOPTED** by the COMB Governing Board on October 25, 2021, by the following roll call votes:

AYES:  
NOES:  
ABSENT:  
ABSTAINED:

**APPROVED:**

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President of the Governing Board

**ATTEST:**

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Secretary of the Governing Board

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**MINUTES OF A REGULAR MEETING  
OF THE  
CACHUMA OPERATION AND MAINTENANCE BOARD  
Monday, September 27, 2021  
1:00 PM**

**MINUTES**

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**1. CALL TO ORDER, ROLL CALL**

The regular meeting of the Board of Directors was called to order by President Holcombe at 1:02 PM.

All attendees participated electronically pursuant to California Governor Gavin Newsom's Executive Order N-08-21.

**Directors Present:**

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

**General Counsel Present:**

William Carter, Musick, Peeler, Garrett, LLP

**Staff Present:**

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

**Others Present:**

Joshua Haggmark, County of Santa Barbara	Matt Young, County of Santa Barbara
Catherine Taylor, City of Santa Barbara	

**2. PUBLIC COMMENT**

There was no public comment.

**3. CONSENT AGENDA**

- a. Minutes of August 23, 2021 Regular Board Meeting
- b. Investment of Funds
  - Financial Reports
  - Investment Reports
- c. Review of Paid Claims

Ms. Gingras presented the Consent Agenda items to the Board, calling upon Mr. Lyons to comment on the Investment of Funds and Paid Claims reports. Mr. Lyons reviewed revenues briefly and directed

the Board's attention to several expenditures of note, including payments made in respect of the COMB Building Replacement project, the Sanitary Survey and the South Coast Conduit design.

As there were no questions, Director Hayman put forth a motion to approve the Consent Agenda items, followed by a second from Director Sneddon. The motion carried with a vote of six in favor.

**Ayes:** Sneddon, Hayman, Hanson, Holcombe

**Nays:**

**Absent:**

**Abstain:**

#### **4. VERBAL REPORTS FROM BOARD COMMITTEES**

- *Lake Cachuma Oak Tree Committee Meeting – September 2, 2021* – Director Hayman reported that the committee received an update on the Oak Tree program and forwarded the report to the Board for approval.
- *Administrative Committee Meeting – September 16, 2021* – Director Holcombe summarized the information received by the committee at its meeting and noted that the Personnel Policy is forwarded to the Board to receive and file.

#### **5. PERSONNEL POLICY AND EMPLOYEE HANDBOOK UPDATE**

Ms. Gingras introduced the agenda item and stated this item has been brought back to the Board for further review. A discussion followed addressing various questions and concerns. Mr. Carter provided legal clarity in response. The Board received and filed the Vaccination Policy update to the Employee Handbook, noting that the policy may be updated in the future as needed.

#### **6. LAKE CACHUMA OAK TREE RESTORATION PROGRAM – FISCAL YEAR 2021-22**

Mr. Robinson provided a historical overview of the Oak Tree Restoration project and summarized the annual plan. He reported the numbers of surviving trees and the number of trees still to be planted in order to meet the target. Mr. Robinson advised he will plant three hundred new trees this year and eighty trees to replace non-surviving trees. He fielded questions and comments from the Board and advised that the annual report would be posted on COMB's website.

Director Sneddon motioned to approve the Lake Cachuma Oak Tree Restoration Program proposed program of work for Fiscal Year 2021-22. Director Hayman seconded the motion which carried unanimously with a vote of six in favor.

**Ayes:** Sneddon, Hayman, Hanson, Holcombe

**Nays:**

**Absent:**

**Abstain:**

#### **7. GENERAL MANAGER REPORT**

- Administration
- Personnel
- Virtual Meetings

Ms. Gingras presented the General Manager report, noting actions recently taken by Governor Newsome with respect to public meetings and the Brown Act with the passage of Assembly Bill 361. This item will be brought back to the Board at its next regularly scheduled public meeting for further discussion and possible action. She advised the Board that staff has also researched the costs and effectiveness of various safety measures and equipment to implement upon a return to in-person public meetings. Ms. Gingras followed with an update on staff training and reported that the Operations Division has developed a presentation in conjunction with Reclamation's upcoming Emergency Preparedness Exercise. Operations staff will also present COMB's Secured Pipeline project at an upcoming IRWMP meeting. Finally she reported that Michael Jackson, SCCAO Area Manager (U.S. Bureau of Reclamation) recently met with the Santa Barbara County Water Agency and the Cachuma Project Member Units and provided notice to allocate 70% of the contract total of 25,714 acre-fee in Cachuma Project water allocation for water year 2022.

## **8. ENGINEER'S REPORT**

- Climate Conditions
- Lake Elevation Projections
- Lake Water Quality
- Infrastructure Improvement Projects

Mr. Degner presented the Engineer's report, beginning with the current Lake Cachuma capacity and elevation and providing an update on climate conditions including the forecasted chance of La Nina conditions this winter. He noted the projected date for installation of the secured pipeline and provided a twenty year hydrology report for historical reference. Mr. Degner will request updated projections from the member agencies based upon Reclamation's 70% water allocation. He reviewed the Infrastructure Improvement Projects under way, several of which are expected to come before the Board at the next meeting.

## **9. OPERATIONS DIVISION REPORT**

- Lake Cachuma Operations
- Operation and Maintenance Activities

Mr. King presented the Operations Division report, highlighting the replacement of the well pressure tank at the North Portal and resurfacing of the Lauro grating at the overflow structure. He reviewed the routine monthly activities of staff, as well as the ongoing annual structure maintenance work. Mr. King reported that staff has been constructing a new ADA compliant ramp for the mobile buildings and performing other renovation work on stairs and decking.

## **10. FISHERIES DIVISION REPORT**

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

Mr. Robinson presented the Fisheries Division report, opening with an update on flows to Hilton Creek and the Highway 154 Bridge, while noting that lake elevation is still adequate to provide gravity flow to Hilton Creek. He advised that the pumping barge is ready for use as necessity dictates. Finally he provided an update on staffing and the annual monitoring reports which are under way.

**11. PROGRESS REPORT ON LAKE CACHUMA OAK TREE PROGRAM**

- Maintenance and Monitoring

Mr. Robinson presented the Oak Tree progress report, noting that irrigation rotation is being dictated by year of planting. Mr. Robinson also advised that he will discuss the placement of 300 new oak trees, as approved by the Board, with the Cachuma Park manager.

**12. MONTHLY CACHUMA PROJECT REPORTS**

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

Ms. Gingras presented the Cachuma Project reports, mentioning that there remains only one month in the water year but noting nothing else of consequence.

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

Director Sneddon questioned whether it was necessary to request, formally, that the AB 361 mandated resolution to continue remote meetings be agendized. Director Hayman requested a discussion concerning the month to month justifications for continuing to hold remote meetings. Director Hanson requested an update on the progress of the COMB Sustainability plan currently under development.

**14. [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 convened the Closed Session at 2:35 PM.

**15. RECONVENE INTO OPEN SESSION**

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

- 14a. 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 reconvened into Open Session at 2:46 PM. There was no reportable action.

**16. MEETING SCHEDULE**

- **October 25, 2021 at 1:00 PM**
- **Board Packages available on COMB website [www.cachuma-board.org](http://www.cachuma-board.org)**



**18. COMB ADJOURNMENT**

There being no further business, the meeting was adjourned at 2:47 PM.

Respectfully submitted,

\_\_\_\_\_  
Janet Gingras, Secretary of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

**APPROVED:**

\_\_\_\_\_  
Polly Holcombe, President of the Board

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**Cachuma Operation & Maintenance Board**  
**Statement of Net Position**  
As of September 30, 2021  
**UNAUDITED**

	<b>Sep 30, 21</b>
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
<b>Trust Funds</b>	
1210 · Warren Act Trust Fund	87,854.72
1220 · Renewal Fund	15,031.82
<b>Total Trust Funds</b>	102,886.54
1050 · General Fund	278,295.02
1100 · Revolving Fund	130,605.12
<b>Total Checking/Savings</b>	511,786.68
<b>Accounts Receivable</b>	
1301 · Accounts Receivable	1,570.00
<b>Total Accounts Receivable</b>	1,570.00
<b>Other Current Assets</b>	
1010 · Petty Cash	500.00
1200 · LAIF	2,114,079.57
1311 · Cachuma Entitlement Receivable	457,193.05
1303 · Bradbury SOD Act Assessments Receivable	213,957.00
1304 · Lauro Dam SOD Assessments Receivable	32,837.16
1400 · Prepaid Insurance	10,656.72
1900 · Deposits	236,109.85
<b>Total Other Current Assets</b>	3,065,333.35
<b>Total Current Assets</b>	3,578,690.03
<b>Fixed Assets</b>	
1500 · Vehicles	468,728.36
1505 · Office Furniture & Equipment	236,471.87
1510 · Mobile Offices	97,803.34
1515 · Field Equipment	523,998.79
1525 · Paving	38,351.00
1550 · Accumulated Depreciation	(1,218,759.00)
<b>Total Fixed Assets</b>	146,594.36
<b>Other Assets</b>	
1910 · Long Term Bradbury SOD Act Assessments Receivable	4,057,372.07
1920 · Long Term Lauro SOD Act Assessments Receivable	739,312.90
1922 · Deferred Outflow of Resources (GASB 68)	336,263.00
1923 · Deferred Outflow (GASB 75)	944,061.00
<b>Total Other Assets</b>	6,077,008.97
<b>TOTAL ASSETS</b>	<b>9,802,293.36</b>

**Cachuma Operation & Maintenance Board**  
**Statement of Net Position**  
As of September 30, 2021  
**UNAUDITED**

	<b>Sep 30, 21</b>
<b>LIABILITIES &amp; NET POSITION</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
<b>Accounts Payable</b>	
2200 · Accounts Payable	488,382.99
<b>Total Accounts Payable</b>	488,382.99
<b>Other Current Liabilities</b>	
2505 · Accrued Wages	20,168.77
2550 · Vacation/Sick	202,762.73
2561 · Bradbury Dam SOD Act	213,956.99
2563 · Lauro Dam SOD Act	32,837.16
2565 · Accrued Interest SOD Act	46,692.00
2590 · Deferred Revenue	102,886.54
<b>Total Other Current Liabilities</b>	619,304.19
<b>Total Current Liabilities</b>	1,107,687.18
<b>Long Term Liabilities</b>	
2602 · Long Term SOD Act Liability-Bradbury	4,057,362.07
2603 · Long Term SOD Act Liability - Lauro	739,312.90
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)	143,105.00
2612 · Deferred Inflow of Resources (GASB 75)	716,377.00
<b>Total Long Term Liabilities</b>	13,114,994.97
<b>Total Liabilities</b>	14,222,682.15
<b>Net Position</b>	
3000 · Opening Balance Net Position	(5,296,580.05)
3901 · Retained Net Assets	506,645.51
<b>Net Surplus / Deficit</b>	369,545.75
<b>Total Net Position</b>	(4,420,388.79)
<b>TOTAL LIABILITIES &amp; NET POSITION</b>	<b>9,802,293.36</b>

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2021 - June 2022

	Fisheries				Operations				TOTAL			
	Jul - Sep 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 21	Budget	\$ Over / (Under) Budget	% of Budget
<b>Revenue</b>												
<b>3000 REVENUE</b>												
3001 · O&M Budget (Qtrly Assessments)	\$ 349,764.00	\$ 1,073,752.00	\$ (723,988.00)	32.57%	\$ 921,337.00	\$ 3,865,221.00	\$ (2,943,884.00)	23.84%	\$ 1,271,101.00	\$ 4,938,973.00	\$ (3,667,872.00)	25.74%
3006 · Warren Act	0.00	43,086.00	-43,086.00	0.0%	0.00				0.00	43,086.00	-43,086.00	0.0%
3007 · Renewal Fund	0.00	220,175.00	-220,175.00	0.0%	0.00				0.00	220,175.00	-220,175.00	0.0%
3009 · EPFP Loan (Qtrly Assessments)	0.00				38,620.56				38,620.56	0.00	38,620.56	100.0%
3021 · Grant Income	0.00				510.00				510.00	0.00	510.00	100.0%
3035 · Cachuma Project Betterment Fund	0.00	90,000.00	-90,000.00	0.0%	0.00				0.00	90,000.00	-90,000.00	0.0%
<b>Total 3000 REVENUE</b>	<b>\$ 349,764.00</b>	<b>\$ 1,427,013.00</b>	<b>\$ (1,077,249.00)</b>	<b>24.51%</b>	<b>\$ 960,467.56</b>	<b>\$ 3,865,221.00</b>	<b>\$ (2,904,753.44)</b>	<b>24.85%</b>	<b>\$ 1,310,231.56</b>	<b>\$ 5,292,234.00</b>	<b>\$ (3,982,002.44)</b>	<b>24.76%</b>
<b>Expense</b>												
3100 · LABOR - OPERATIONS	\$ -	\$ -	\$ -	0.0%	\$ 235,574.62	\$ 1,023,887.00	\$ (788,312.38)	23.01%	\$ 235,574.62	\$ 1,023,887.00	\$ (788,312.38)	23.01%
<b>3200 VEH &amp; EQUIPMENT</b>												
3201 · Vehicle/Equip Mtce	0.00				6,482.57	35,000.00	-28,517.43	18.52%	6,482.57	35,000.00	-28,517.43	18.52%
3202 · Fixed Capital	0.00				1,761.73	65,000.00	-63,238.27	2.71%	1,761.73	65,000.00	-63,238.27	2.71%
3203 · Equipment Rental	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
3204 · Miscellaneous	0.00				637.81	10,000.00	-9,362.19	6.38%	637.81	10,000.00	-9,362.19	6.38%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>0.00</b>				<b>8,882.11</b>	<b>115,000.00</b>	<b>-106,117.89</b>	<b>7.72%</b>	<b>8,882.11</b>	<b>115,000.00</b>	<b>-106,117.89</b>	<b>7.72%</b>
<b>3300 · CONTRACT LABOR</b>												
3301 · Conduit, Meter, Valve & Misc	0.00				3,090.00	20,000.00	-16,910.00	15.45%	3,090.00	20,000.00	-16,910.00	15.45%
3302 · Buildings & Roads	0.00				0.00	20,000.00	-20,000.00	0.0%	0.00	20,000.00	-20,000.00	0.0%
3303 · Reservoirs	0.00				8,661.33	60,000.00	-51,338.67	14.44%	8,661.33	60,000.00	-51,338.67	14.44%
3304 · Engineering, Misc Services	0.00				0.00	30,000.00	-30,000.00	0.0%	0.00	30,000.00	-30,000.00	0.0%
<b>Total 3300 · CONTRACT LABOR</b>	<b>0.00</b>				<b>11,751.33</b>	<b>130,000.00</b>	<b>-118,248.67</b>	<b>9.04%</b>	<b>11,751.33</b>	<b>130,000.00</b>	<b>-118,248.67</b>	<b>9.04%</b>
<b>3400 · MATERIALS &amp; SUPPLIES</b>												
3401 · Conduit, Meter, Valve & Misc	0.00				21,460.79	65,000.00	-43,539.21	33.02%	21,460.79	65,000.00	-43,539.21	33.02%
3402 · Buildings & Roads	0.00				6,194.73	15,000.00	-8,805.27	41.3%	6,194.73	15,000.00	-8,805.27	41.3%
3403 · Reservoirs	0.00				200.32	5,000.00	-4,799.68	4.01%	200.32	5,000.00	-4,799.68	4.01%
<b>Total 3400 · MATERIALS &amp; SUPPLIES</b>	<b>0.00</b>				<b>27,855.84</b>	<b>85,000.00</b>	<b>-57,144.16</b>	<b>32.77%</b>	<b>27,855.84</b>	<b>85,000.00</b>	<b>-57,144.16</b>	<b>32.77%</b>
<b>3500 · OTHER EXPENSES</b>												
3501 · Utilities	0.00				1,492.48	7,000.00	-5,507.52	21.32%	1,492.48	7,000.00	-5,507.52	21.32%
3502 · Uniforms	0.00				175.00	5,750.00	-5,575.00	3.04%	175.00	5,750.00	-5,575.00	3.04%
3503 · Communications	0.00				2,235.17	15,800.00	-13,564.83	14.15%	2,235.17	15,800.00	-13,564.83	14.15%
3504 · USA & Other Services	0.00				661.50	4,750.00	-4,088.50	13.93%	661.50	4,750.00	-4,088.50	13.93%
3505 · Miscellaneous	0.00				3,171.20	12,000.00	-8,828.80	26.43%	3,171.20	12,000.00	-8,828.80	26.43%
3506 · Training	0.00				0.00	3,000.00	-3,000.00	0.0%	0.00	3,000.00	-3,000.00	0.0%
<b>Total 3500 · OTHER EXPENSES</b>	<b>0.00</b>				<b>7,735.35</b>	<b>48,300.00</b>	<b>-40,564.65</b>	<b>16.02%</b>	<b>7,735.35</b>	<b>48,300.00</b>	<b>-40,564.65</b>	<b>16.02%</b>
4100 · LABOR - FISHERIES	186,693.77	755,458.00	-568,764.23	24.71%	0.00				186,693.77	755,458.00	-568,764.23	24.71%
<b>4200 · VEHICLES &amp; EQUIP - FISHERIES</b>												
4270 · Vehicle/Equip Mtce	4,656.07	30,000.00	-25,343.93	15.52%	0.00				4,656.07	30,000.00	-25,343.93	15.52%
4280 · Fixed Capital	1,342.57	50,000.00	-48,657.43	2.69%	0.00				1,342.57	50,000.00	-48,657.43	2.69%
4290 · Miscellaneous	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
<b>Total 4200 · VEHICLES &amp; EQUIP - FISHERIES</b>	<b>5,998.64</b>	<b>82,500.00</b>	<b>-76,501.36</b>	<b>7.27%</b>	<b>0.00</b>				<b>5,998.64</b>	<b>82,500.00</b>	<b>-76,501.36</b>	<b>7.27%</b>

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2021 - June 2022

	Fisheries				Operations				TOTAL			
	Jul - Sep 21	Budget	\$ Over / (Under)		Jul - Sep 21	Budget	\$ Over / (Under)		Jul - Sep 21	Budget	\$ Over / (Under)	
			Budget	% of Budget			Budget	% of Budget			Budget	% of Budget
<b>4220 · CONTRACT LABOR - FISHERIES</b>												
4221 · Meters & Valves	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
4222 · Fish Projects Maintenance	0.00	16,100.00	-16,100.00	0.0%	0.00				0.00	16,100.00	-16,100.00	0.0%
<b>Total 4220 · CONTRACT LABOR - FISHERIES</b>	<b>0.00</b>	<b>19,100.00</b>	<b>-19,100.00</b>	<b>0.0%</b>	<b>0.00</b>				<b>0.00</b>	<b>19,100.00</b>	<b>-19,100.00</b>	<b>0.0%</b>
<b>4300 · MATERIALS/SUPPLIES - FISHERIES</b>												
4390 · Miscellaneous	1,650.18	7,000.00	-5,349.82	23.57%	0.00				1,650.18	7,000.00	-5,349.82	23.57%
<b>Total 4300 · MATERIALS/SUPPLIES - FISHERIES</b>	<b>1,650.18</b>	<b>7,000.00</b>	<b>-5,349.82</b>	<b>23.57%</b>	<b>0.00</b>				<b>1,650.18</b>	<b>7,000.00</b>	<b>-5,349.82</b>	<b>23.57%</b>
<b>4500 · OTHER EXPENSES - FISHERIES</b>												
4502 · Uniforms	1,788.96	3,500.00	-1,711.04	51.11%	0.00				1,788.96	3,500.00	-1,711.04	51.11%
<b>Total 4500 · OTHER EXPENSES - FISHERIES</b>	<b>1,788.96</b>	<b>3,500.00</b>	<b>-1,711.04</b>	<b>51.11%</b>	<b>0.00</b>				<b>1,788.96</b>	<b>3,500.00</b>	<b>-1,711.04</b>	<b>51.11%</b>
<b>4999 · GENERAL &amp; ADMINISTRATIVE</b>												
5000 · Director Fees	0.00				1,669.20	12,400.00	-10,730.80	13.46%	1,669.20	12,400.00	-10,730.80	13.46%
5001 · Director Mileage	0.00				0.00	600.00	-600.00	0.0%	0.00	600.00	-600.00	0.0%
5100 · Legal	0.00				17,687.00	75,000.00	-57,313.00	23.58%	17,687.00	75,000.00	-57,313.00	23.58%
5101 · Audit	0.00				937.63	22,750.00	-21,812.37	4.12%	937.63	22,750.00	-21,812.37	4.12%
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				4,187.71	33,326.00	-29,138.29	12.57%	4,187.71	33,326.00	-29,138.29	12.57%
5310 · Postage/Office Exp	0.00				1,049.43	6,000.00	-4,950.57	17.49%	1,049.43	6,000.00	-4,950.57	17.49%
5311 · Office Equip/Leases	0.00				4,298.13	13,440.00	-9,141.87	31.98%	4,298.13	13,440.00	-9,141.87	31.98%
5312 · Misc Admin Expenses	0.00				1,515.39	14,000.00	-12,484.61	10.82%	1,515.39	14,000.00	-12,484.61	10.82%
5313 · Communications	0.00				3,079.84	6,500.00	-3,420.16	47.38%	3,079.84	6,500.00	-3,420.16	47.38%
5314 · Utilities	0.00				2,465.16	9,737.00	-7,271.84	25.32%	2,465.16	9,737.00	-7,271.84	25.32%
5315 · Membership Dues	0.00				142.35	9,700.00	-9,557.65	1.47%	142.35	9,700.00	-9,557.65	1.47%
5316 · Admin Fixed Assets	0.00				510.58	5,000.00	-4,489.42	10.21%	510.58	5,000.00	-4,489.42	10.21%
5318 · Computer Consultant	0.00				6,584.50	16,500.00	-9,915.50	39.91%	6,584.50	16,500.00	-9,915.50	39.91%
5325 · Emp Training/Subscriptions	0.00				164.53	2,000.00	-1,835.47	8.23%	164.53	2,000.00	-1,835.47	8.23%
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				585.00	3,500.00	-2,915.00	16.71%	585.00	3,500.00	-2,915.00	16.71%
<b>Total 4999 · GENERAL &amp; ADMINISTRATIVE</b>	<b>0.00</b>				<b>44,876.45</b>	<b>237,453.00</b>	<b>-192,576.55</b>	<b>18.9%</b>	<b>44,876.45</b>	<b>237,453.00</b>	<b>-192,576.55</b>	<b>18.9%</b>
<b>5299 · ADMIN LABOR</b>	<b>0.00</b>				<b>165,874.91</b>	<b>620,531.00</b>	<b>-454,656.09</b>	<b>26.73%</b>	<b>165,874.91</b>	<b>620,531.00</b>	<b>-454,656.09</b>	<b>26.73%</b>
<b>5400 · GENERAL &amp; ADMIN - FISHERIES</b>												
5407 · Legal - FD	460.00	25,000.00	-24,540.00	1.84%	0.00				460.00	25,000.00	-24,540.00	1.84%
5410 · Postage / Office Supplies	570.44	4,000.00	-3,429.56	14.26%	0.00				570.44	4,000.00	-3,429.56	14.26%
5411 · Office Equipment / Leases	1,305.65	8,533.00	-7,227.35	15.3%	0.00				1,305.65	8,533.00	-7,227.35	15.3%
5412 · Misc. Admin Expense	1,081.22	7,500.00	-6,418.78	14.42%	0.00				1,081.22	7,500.00	-6,418.78	14.42%
5413 · Communications	1,658.38	4,455.00	-2,796.62	37.23%	0.00				1,658.38	4,455.00	-2,796.62	37.23%
5414 · Utilities	1,329.45	5,243.00	-3,913.55	25.36%	0.00				1,329.45	5,243.00	-3,913.55	25.36%
5415 · Membership Dues	76.65	6,200.00	-6,123.35	1.24%	0.00				76.65	6,200.00	-6,123.35	1.24%
5416 · Admin Fixed Assets	2,167.01	3,000.00	-832.99	72.23%	0.00				2,167.01	3,000.00	-832.99	72.23%
5418 · Computer Consultant	3,545.50	9,000.00	-5,454.50	39.39%	0.00				3,545.50	9,000.00	-5,454.50	39.39%
5425 · Employee Education/Subscription	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%
5426 · Director Fees	898.80	6,700.00	-5,801.20	13.42%	0.00				898.80	6,700.00	-5,801.20	13.42%
5427 · Director Mileage	0.00	300.00	-300.00	0.0%	0.00				0.00	300.00	-300.00	0.0%
5430 · Travel	0.00	2,500.00	-2,500.00	0.0%	0.00				0.00	2,500.00	-2,500.00	0.0%

**Cachuma Operation & Maintenance Board**  
**Statement of Revenues and Expenditures (Unaudited)**  
 Budget vs. Actuals July 2021 - June 2022

	Fisheries				Operations				TOTAL			
	Jul - Sep 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 21	Budget	\$ Over / (Under) Budget	% of Budget	Jul - Sep 21	Budget	\$ Over / (Under) Budget	% of Budget
5431 · Public Information	315.00	1,500.00	-1,185.00	21.0%	0.00				315.00	1,500.00	-1,185.00	21.0%
5441 · Audit	504.87	12,250.00	-11,745.13	4.12%	0.00				504.87	12,250.00	-11,745.13	4.12%
5443 · Liab & Property Ins	2,254.92	17,745.00	-15,490.08	12.71%	0.00				2,254.92	17,745.00	-15,490.08	12.71%
<b>Total 5400 · GENERAL &amp; ADMIN - FISHERIES</b>	<b>16,167.89</b>	<b>116,426.00</b>	<b>-100,258.11</b>	<b>13.89%</b>	<b>0.00</b>				<b>16,167.89</b>	<b>116,426.00</b>	<b>-100,258.11</b>	<b>13.89%</b>
5499 · ADMIN LABOR-FISHERIES	65,109.21	258,029.00	-192,919.79	25.23%	0.00				65,109.21	258,029.00	-192,919.79	25.23%
5510 · Integrated Reg. Water Mgt Plan	0.00				0.00	5,000.00	-5,000.00	0.0%	0.00	5,000.00	-5,000.00	0.0%
<b>6000 · SPECIAL PROJECTS</b>												
6062 · SCADA	0.00				11,945.10	150,000.00	-138,054.90	7.96%	11,945.10	150,000.00	-138,054.90	7.96%
6090 · COMB Office Building	0.00				77,955.17	216,000.00	-138,044.83	36.09%	77,955.17	216,000.00	-138,044.83	36.09%
6096 · SCC Structure Rehabilitation	0.00				0.00	390,000.00	-390,000.00	0.0%	0.00	390,000.00	-390,000.00	0.0%
6097 · GIS and Mapping	0.00				925.00	10,000.00	-9,075.00	9.25%	925.00	10,000.00	-9,075.00	9.25%
6100 · Watershed Sanitary Survey	0.00				15,368.56	12,050.00	3,318.56	127.54%	15,368.56	12,050.00	3,318.56	127.54%
6105 · ROW Management Program	0.00				18,925.00	20,000.00	-1,075.00	94.63%	18,925.00	20,000.00	-1,075.00	94.63%
6120 · Lake Cachuma Secured Pipeline	0.00				9,310.00	352,000.00	-342,690.00	2.65%	9,310.00	352,000.00	-342,690.00	2.65%
6136 · SCC Isolation Valve Evaluation	0.00				2,319.00	400,000.00	-397,681.00	0.58%	2,319.00	400,000.00	-397,681.00	0.58%
6138 · Cachuma Watershed Mgmt Study	0.00				1,842.93	50,000.00	-48,157.07	3.69%	1,842.93	50,000.00	-48,157.07	3.69%
<b>Total 6000 · SPECIAL PROJECTS</b>	<b>0.00</b>				<b>138,590.76</b>	<b>1,600,050.00</b>	<b>-1,461,459.24</b>	<b>8.66%</b>	<b>138,590.76</b>	<b>1,600,050.00</b>	<b>-1,461,459.24</b>	<b>8.66%</b>
<b>6200 · FISHERIES ACTIVITIES</b>												
6201 · FMP Implementation	0.00	35,000.00	-35,000.00	0.0%	0.00				0.00	35,000.00	-35,000.00	0.0%
6202 · GIS and Mapping	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
6205 · USGS Stream Gauge Program	21,910.00	105,000.00	-83,090.00	20.87%	0.00				21,910.00	105,000.00	-83,090.00	20.87%
6207 · Oak Tree Restoration Program	110.32	25,000.00	-24,889.68	0.44%	0.00				110.32	25,000.00	-24,889.68	0.44%
<b>Total 6200 · FISHERIES ACTIVITIES</b>	<b>22,020.32</b>	<b>175,000.00</b>	<b>-152,979.68</b>	<b>12.58%</b>	<b>0.00</b>				<b>22,020.32</b>	<b>175,000.00</b>	<b>-152,979.68</b>	<b>12.58%</b>
<b>6300 · HABITAT ENHANCEMENT</b>												
6303 · Tributary Projects Support	0.00	10,000.00	-10,000.00	0.0%	0.00				0.00	10,000.00	-10,000.00	0.0%
<b>Total 6300 · HABITAT ENHANCEMENT</b>	<b>0.00</b>	<b>10,000.00</b>	<b>-10,000.00</b>	<b>0.0%</b>	<b>0.00</b>				<b>0.00</b>	<b>10,000.00</b>	<b>-10,000.00</b>	<b>0.0%</b>
7007 · INTEREST EXPENSE-EPPF	0.00				115.47				115.47	0.00	115.47	100.0%
<b>Total Expense</b>	<b>\$ 299,428.97</b>	<b>\$ 1,427,013.00</b>	<b>\$ (1,127,584.03)</b>	<b>20.98%</b>	<b>\$ 641,256.84</b>	<b>\$ 3,865,221.00</b>	<b>\$ (3,223,964.16)</b>	<b>16.59%</b>	<b>\$ 940,685.81</b>	<b>\$ 5,292,234.00</b>	<b>\$ (4,351,548.19)</b>	<b>17.78%</b>
<b>Net Surplus / Deficit</b>	<b>\$ 50,335.03</b>	<b>\$ -</b>	<b>\$ 50,335.03</b>	<b>100.0%</b>	<b>\$ 319,210.72</b>	<b>\$ -</b>	<b>\$ 319,210.72</b>	<b>100.0%</b>	<b>\$ 369,545.75</b>	<b>\$ -</b>	<b>\$ 369,545.75</b>	<b>100.0%</b>

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 25, 2021
Submitted by:	Janet Gingras

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**SUBJECT:** Investment Report – September 30, 2021

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### **RECOMMENDATION**

The Board of Directors receive and file the Cachuma Operation & Maintenance Board Investment Report as of September 30, 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 September 2021, is reported at 0.206%.

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

Table 1			
Unrestricted Reserve Funds			
Local Agency Investment Fund (LAIF)			
Previous Balance	8/31/2021	\$	2,114,079.56
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	9/30/2021	\$	2,114,079.56

#### 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			
American Riviera Bank Renewal Account			
Previous Balance	8/31/2021	\$	15,031.82
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	9/30/2021	\$	15,031.82
American Riviera Bank Warren Act Trust Fund			
Previous Balance	8/31/2021	\$	87,854.72
(+) Deposits/Credits			-
(-) Checks/Withdrawals			-
Statement Balance	9/30/2021	\$	87,854.72

**STATEMENT**

The above statement of investment activity for the month of September 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.

  
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 Secretary

## Cachuma Operation &amp; Maintenance Board

## Paid Claims

As of September 30, 2021

Date	Num	Name	Memo	Amount
<b>1050 - General Fund</b>				
09/13/2021	28782	Aqua-Flo Supply	Supplies (Ops)	-743.25
09/13/2021	28783	Aspect Engineering Group	SCADA Upgrade - Upgrade PLC 5	-3,351.20
09/13/2021	28784	Association of Ca Water Agencies/JPIA	October Health Benefits Premium	-30,814.53
09/13/2021	28785	AT&T	Long Distance Service 7/28-8/27/21	-37.79
09/13/2021	28786	Bend Genetics, LLC	Lake Cachuma Water Quality Sampling	-40.00
09/13/2021	28787	CalPortland Construction	Highway 192 Valve Can Project - Construction Services	-18,925.00
09/13/2021	28788	Channel City Lumber	COMB Building Replacement Project - Lumber	-1,845.06
09/13/2021	28789	City of Santa-Barbara	Trash & Recycling August 2021	-326.22
09/13/2021	28790	CMRS-FP	Deposit of Funds to Postage Account	-200.00
09/13/2021	28791	Coastal Copy, LP	Copier Maintenance - Kyocera Taskalifas 3253ci & 6052ci	-133.05
09/13/2021	28792	Cox Communications Santa Barbara	Business Internet September 2021	-155.41
09/13/2021	28793	Employee Relations, Inc.	Background Check (Fisheries)	-69.97
09/13/2021	28794	Famcon Pipe & Supply	South Coast Conduit Materials (Ops)	-7,438.50
09/13/2021	28795	Famcon Pipe & Supply	South Coast Conduit Materials (Ops)	-4,078.13
09/13/2021	28796	Frontier Communications	Phone Service - North Portal	-62.78
09/13/2021	28797	Frontier Communications	July Phone Service - Alarm, Fax, Modem & Board Room	-110.58
09/13/2021	28798	Frontier Communications	August Phone Service - Alarm, Fax, Modem & Board Room	-100.28
09/13/2021	28799	Home Depot Credit Services	COMB Building Replacement Project & Miscellaneous Supplies (Ops)	-1,440.19
09/13/2021	28800	Impulse Advanced Communications	Phone Service - Main Office	-854.35
09/13/2021	28801	MarBorg Industries	COMB Building Replacement Project - Roll-Offs & Portable Facilities - Outlying Stations	-3,865.78
09/13/2021	28802	Musick, Peeler & Garrett LLP	General Counsel July 2021 (Ops & Fisheries)	-8,947.00
09/13/2021	28803	Premiere Global Services	Conference Calls August 2021	-26.62
09/13/2021	28804	Sansum Clinic-Occupational Medicine	Pre-Employment Physical (Fisheries)	-352.50
09/13/2021	28805	Southern California Edison	Electricity - Main Office	-1,360.74
09/13/2021	28806	Sparkletts	Operations Safety	-88.82
09/13/2021	28807	Specialty Tool, LTD	Supplies (Ops)	-23.97
09/13/2021	28808	Tri-Co Reprographics	Plans for Crossing 0A (Fisheries)	-33.32
09/13/2021	28809	Underground Service Alert of So. Calif.	Ticket Charges & Database Fee	-160.15
09/13/2021	28810	Verizon Wireless	Cell Phones, iPads, Modems & SCADA (Ops)	-774.18
09/13/2021	28811	Wright Express Fleet Services	Fleet Fuel August 2021	-3,077.76
09/13/2021	28812	Zac Gonzalez Landscaping & Tree Care	Landscape Maintenance August 2021	-480.00
09/13/2021	28813	SB Home Improvement Center	Supplies (Fisheries)	-18.47
09/13/2021	28814	Southern California Edison	Electricity - 4120 Foothill PED (Ops)	-13.71
09/20/2021	28815	American Riviera Bank - Card Service	Website Hosting, Subscriptions, Postage & Quickbooks Software Upgrade (Ops & Fisheries)	-2,329.87
09/20/2021	28816	Aqua-Flo Supply	Oak Tree Restoration Program - Supplies (Fisheries)	-110.32
09/20/2021	28817	Aspect Engineering Group	SCADA Upgrade - Upgrade PLC 5	-765.00
09/20/2021	28818	Cabela's LLC/Bass Pro LLC	Waders & Wading Boots (Fisheries)	-319.46
09/20/2021	28819	Coldzone Refrigeration	Server Room A/C Inspection	-137.50
09/20/2021	28820	Cushman Contracting Corp.	EPFP Pumping System - Pay Req #89	-3,500.00
09/20/2021	28821	Eurofins Eaton Analytical, LLC	Lake Cachuma Water Quality Sampling	-1,000.00
09/20/2021	28822	Famcon Pipe & Supply	South Coast Conduit Materials - Manhole Frame and Cover (Ops)	-1,957.50
09/20/2021	28823	Federal Express	Shipping (Ops)	-172.23
09/20/2021	28824	ICD Enterprises	COMB Office Trailer Replacement Project - Cabinets	-1,873.35
09/20/2021	28825	MarBorg Industries	Portable Facilities - Outlying Stations (Ops)	-387.92
09/20/2021	28826	PG&E	Electricity - Tecolote Tunnel	-24.64
09/20/2021	28827	Turenchalk Network Services, Inc.	Dell Workstation (Admin)	-785.50
09/20/2021	28828	Turenchalk Network Services, Inc.	Network Support August 2021 (Ops & Fisheries)	-4,965.00
09/20/2021	28829	United States Geological Survey	USGS Quarterly Joint Funding Agreement 7/01/21-9/30/21	-21,910.00
09/24/2021	28830	Anacapa Industries	Lauro Dam Spillway Intake Grates - Recoat	-2,117.00
09/24/2021	28831	Atlas Performance Industries, Inc.	COMB Building Replacement Project - Modular Buildings Final Billing	-27,998.79
09/24/2021	28832	Bureau of Reclamation	Safety of Dam Payment - Bradbury	-261,647.70
09/24/2021	28833	Bureau of Reclamation	Safety of Dam Payment - Lauro	-47,404.67
09/24/2021	28834	Geosyntec Consultants	2021 Watershed Sanitary Survey - Professional Services	-11,115.50
09/24/2021	28835	Pacific Coast Jiffy Lube	2019 Ford F150 Oil Change	-124.94
09/24/2021	28836	Perry Ford	2019 Ford Ranger Service and Spare Key & 2018 Ford F-150 Spare Key	-906.45

Item #4c

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Cachuma Operation & Maintenance Board

**Paid Claims**

As of September 30, 2021

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
09/24/2021	28837	PG&E	Electricity - San Marcos Rd	-399.04
09/24/2021	28838	Wells Fargo Vendor Fin Serv	Copier Lease - Kyocera Taskalfa 6052ci & 3253ci	-400.21
Total 1050 - General Fund				<u>-482,301.90</u>
<b>TOTAL</b>				<u><b>-482,301.90</b></u>

**APPROVALS**

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# CACHUMA OPERATION & MAINTENANCE BOARD

## Fisheries Committee Meeting

Friday, October 15, 2021

1:00 pm

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### AGENDA

*Chair: Director Hanson*

*Member: Director Hayman*

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. Proposed Purchase of Monitoring Equipment – NFWF Grant Funding (*for information and possible recommendation*)
4. USGS Stream Gauge Proposed Contract Amendment (*for information and possible recommendation*)
5. Update on Recent Fisheries Division Activities (*for information*)
  - Field Observations
  - Coordination with Reclamation
6. Adjournment

#### NOTICE TO THE PUBLIC

**Public Comment:** The public is welcome to attend and observe the meeting via remote access. 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 805 / 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

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Thursday, October 21, 2021  
1:00 P.M.

### AGENDA

Chair: Director Sneddon  
Member: Director Holcombe

1. Call to Order
2. Public Comment (*Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction*)
3. Infrastructure Improvement Projects (IIP) (*for information and possible recommendation*)
  - a. COMB/Carpinteria Valley Water District (CVWD) Draft Cooperative Agreement
  - b. LaMirada Isolation Valve – Construction Contract / Construction Management Services Contract
    - o Tierra Contracting, Inc.
    - o Flowers & Associates, Inc.
  - c. AVAR/BO Rehabilitation Construction Contracts
    - o Cushman Contracting, Inc.
    - o Cal-Portland
  - d. Secured Pipeline Project – Contract Addendum for Construction Documents and Bid Phase Services
    - o Makai Ocean Engineering, Inc.
  - e. Mobile Office Building Replacement – Contract Addendum
    - o Atlas Performance Industries, Inc.
4. Adjournment

#### NOTICE TO THE PUBLIC

**Public Comment:** The public is welcome to attend and observe the meeting via remote teleconference. 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:	October 25, 2021
Submitted by:	Edward Lyons
Approved by:	Janet Gingras

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**SUBJECT:** Financial Review – 1st Quarter Fiscal Year 2021-22

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**RECOMMENDATION:**

The Board of Directors receive a presentation on the 1st Quarter Fiscal Year (FY) 2021-22 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.

For FY 2021-22, COMB adjusted the collection of quarterly assessments based on project implementation and projected cash outflows, as follows:

**Table 1**  
**COMB Quarterly Budget Assessments FY 2021-22**

Q1	Q2	Q3	Q4	Total
\$ 1,271,100	\$ 1,286,741	\$ 1,123,816	\$ 1,257,316	\$ 4,938,973
26%	26%	23%	25%	100%

**FISCAL ANALYSIS:**

**Revenues Collected**

- COMB assessed and collected \$1.27M in quarterly O&M Budget Assessments for the period July – September 2021.
- COMB assessed and collected \$309.1K in pass-through charges on behalf of the US Bureau of Reclamation for the annual Bradbury and Lauro Safety of Dams (SOD) repayment obligation for the water year 2021-22.
- COMB collected \$154.5K in quarterly EPFP Loan Assessments related to loan repayments made on behalf of Goleta Water District and Montecito Water District.
- COMB earned \$1.3K in interest income for funds held with LAIF.

## Expenditures To Date (% of Budget Apportioned thru September – 26%)

### General and Administrative (Combined)

- General and Administrative Expenses include costs for support of all administrative functions of COMB such as: Director fees, legal expenditures, general liability and property insurance, audit fees, temporary/contract labor, utilities, IT and communications, postage and office supplies, training, education and subscriptions and miscellaneous expenses. Costs are generally allocated between Operations and Maintenance (65%) and Fisheries Division (35%). General and Administrative expenses thru September totaled \$59.2K (16.7%) and are within budget.
- 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 expenses totaled \$231K (26.3%). 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. Actual personnel costs of \$235.6K (23.0%) are slightly under 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 \$8.9K (7.7%) were lower than budget due to lower than projected fixed capital equipment costs. The first quarter budget projection included the purchase of a new fleet vehicle which was postponed until later this fiscal year, due to current market prices.
- 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. Actual costs of \$11.8K (9.0%) were lower than budget. Projects and staff assignments are reviewed closely by the COMB General Manager and Operations Division Manager to control costs in this category.
- Materials and Supplies covers costs related to the operation and maintenance of the conduit, reservoirs, and outlying buildings and roads. Actual costs of \$27.9K (32.8%) were slightly higher than budget. Notable expenses during the 1<sup>st</sup> quarter included the replenishment of various conduit and structure supplies of \$17.2K and lumber and building supplies of \$3.8K to be used for a new deck and accessible ramp for the COMB building.
- 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 \$7.7K (16.0%) were 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 thru September totaled \$140.5K. This amount is attributed to the following projects: the COMB Office Building (\$79.8k), the COMB Right of Way Management Program (\$18.9K), Lake Cachuma Watershed Sanitary Project (\$15.4K), SCADA (\$11.9K), Lake Cachuma Secured Pipeline (\$9.3K). 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 thru September of \$641.1K (16.6%) for FY 2021-22 were within budget.**
- **The projected annualized Operations Division expenses of \$3.6M (92.8%) for FY 2020-21 are within budget as reflected in Table 2:**



**Table 2**  
Operations Division

	Actual Jul-Sep	Budget Oct-Dec	Budget Jan-Mar	Budget Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 921,847	\$ 1,153,461	\$ 874,461	\$ 915,961	\$ 3,865,731	\$ 3,865,221	\$ 510	100.0%
Expense								
General and Admin Expenses	43,003	55,094	48,594	45,344	192,035	237,453	(45,418)	80.9%
General and Admin Labor	165,875	155,133	155,133	155,133	631,273	620,531	10,742	101.7%
O&M Labor	235,575	255,972	255,972	255,972	1,003,491	1,023,887	(20,396)	98.0%
O&M Vehicle & Equip	8,882	18,750	18,750	18,750	65,132	115,000	(49,868)	56.6%
O&M Contract Labor	11,751	32,500	32,500	32,500	109,251	130,000	(20,749)	84.0%
O&M Material and Supplies	27,856	25,000	20,000	30,000	102,856	85,000	17,856	121.0%
O&M Other Expenses	7,735	11,513	11,513	13,763	44,523	48,300	(3,778)	92.2%
O&M Special Projects	140,464	599,500	332,000	364,500	1,436,464	1,605,050	(168,586)	89.5%
Total Expense	\$ 641,141	\$ 1,153,461	\$ 874,461	\$ 915,961	\$ 3,585,025	\$ 3,865,221	\$ (280,196)	92.8%
Net Surplus / (Deficit)	\$ 280,706	\$ -	\$ -	\$ -	\$ 280,706	\$ -	\$ 280,706	

Note:

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 \$186.7K (24.7%) were within budget.
- Vehicles & Equipment includes funds for the purchase of fixed capital, equipment rental, vehicle and equipment maintenance, and fuel costs. Actual costs of \$6.0K (7.3%) were lower than budget due to lower than projected vehicle maintenance costs and fixed capital purchases.
- 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. There were no costs incurred during the 1<sup>st</sup> quarter for this category. Projected consultant services are reviewed by the COMB General Manager and Fisheries Division Manager to control costs in this category. COMB has entered into an annual agreement with HDR Engineering (\$6.1K) to perform tasks outlined in an approved scope of work (SOW) under this category. There were no reportable expenses under this category during this period.
- 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 \$1.7K (23.6%) were within budget.
- Other Expenses includes funds to pay for uniforms and gear for the fisheries division employees. Actual costs of \$1.8K (51.1%) were higher than budget. Notable expenses during the 1<sup>st</sup> quarter included the annual purchase of waders and boots for Fisheries staff of \$1.6K.
- 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, 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 \$22K (12.6%) were within budget.

- Fisheries Habitat Improvement – There were no costs recorded in this category during the 1<sup>st</sup> quarter. Board policy requires that all habitat improvement projects be approved through Committee and by the Board prior to commencement.
- The total Fisheries Division expenses thru September of \$299.4K (21.0%) for FY 2021-22 were within budget.
- The projected annualized Fisheries Division expenses of \$1.3M for FY 2021-22 are reflected in Table 3 below:

**Table 3**  
**Fisheries Division**

	Actual Jul-Sep	Budget Oct-Dec	Budget Jan-Mar	Budget Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
Revenue								
Revenue	\$ 349,764	\$ 353,455	\$ 339,355	\$ 341,355	\$ 1,383,928	\$ 1,427,013	\$ (43,085)	97.0%
Expense								
General and Admin Expenses	16,168	26,858	23,358	21,608	87,991	116,426	(28,435)	75.6%
General and Admin Labor	65,109	64,508	64,508	64,508	258,632	258,029	603	100.2%
Fisheries Labor	186,694	188,864	188,864	188,864	753,287	755,458	(2,171)	99.7%
Fisheries Vehicle & Equip	5,999	10,625	10,625	10,625	37,874	82,500	(44,626)	45.9%
Fisheries Contract Labor	-	16,850	750	750	18,350	19,100	(750)	96.1%
Fisheries Material and Supplies	1,650	1,750	1,750	1,750	6,900	7,000	(100)	98.6%
Fisheries Other Expenses	1,789	500	500	2,000	4,789	3,500	1,289	136.8%
Fisheries Activities	22,020	35,000	35,000	45,000	137,020	175,000	(37,980)	78.3%
Fisheries Habitat Enhancement	-	8,500	14,000	6,250	28,750	10,000	18,750	287.5%
Total Expense	\$ 299,429	\$ 353,455	\$ 339,355	\$ 341,355	\$ 1,333,593	\$ 1,427,013	\$ (93,420)	93.5%
Net Surplus / (Deficit)	\$ 50,335	\$ -	\$ -	\$ -	\$ 50,335	\$ -	\$ 50,335	

Note: 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 \$43K of Warren Act Trust Fund payments from CCWA for SWP deliveries that occurred in calendar year 2020. These funds were reviewed and approved at the annual Cachuma Project Warren Act Trust Fund and Renewal Fund meeting in June 2021 for use in FY 2021-22.

- **Renewal Funds (Restricted Fund)** - The Renewal Fund is a requirement of the 1995 Renewal Master Contract (Contract No. 175r-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 amount of the Renewal Fund Obligation for WY 2021-22 was approved at the annual Cachuma Project Warren Act Trust Fund and Renewal Fund meeting in June 2021. The aggregate amount to be deposited for WY 2021-22 totaled \$220,175.

On September 24, 2021, Michael Jackson, SCCAO Area Manager (U.S. Bureau of Reclamation) provided notice of the WY 2021-22 allocation for the Cachuma Project to be set at 70% of the maximum contract total, or 18,000 acre-feet.

As a result of the reduced allocation for WY 2021-22, the aggregate amount to be deposited into the Renewal Fund has been revised based on Sub Article 27 (e)(2) of the Renewal Master Contract, as follows:

\$10 x Acre-Foot of Project Water Scheduled for Delivery, or

$$\$10 \times (25,714 \text{ AF} \times 70\%) = \$179,998$$

COMB will record an entry to reclassify the difference of \$40,177.30 to O&M Assessment revenue in October.

- **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.

The EPFP loan obligation was paid in full during the first quarter of FY 2021-22.

- **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 2021-22 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 2021-22 is \$47,404. COMB assesses the COMB Member Agencies (only) in accordance with each Member Agencies' pro-rata Cachuma Project entitlement percentages.

#### **LIST OF EXHIBITS:**

- 1) Fiscal Year 2021-22 Statement of Revenue and Expenditures
- 2) Quarterly Financial Review Presentation

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

	Fisheries				Operations				TOTAL			
	Jul-Sep 21	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Sep 21	Annual Budget	\$ Over / (Under) Budget	% of Budget	Jul-Sep 21	Budget	\$ Over / (Under) Budget	% of Budget
<b>Revenue</b>												
Revenue	\$ 349,764.00	\$ 1,427,013.00	\$ (1,077,249.00)	24.5%	\$ 921,847.00	\$ 3,865,221.00	\$ (2,943,374.00)	23.9%	\$ 1,271,611.00	\$ 5,292,234.00	\$ (4,020,623.00)	24.0%
<b>Total Revenue</b>	<b>349,764.00</b>	<b>1,427,013.00</b>	<b>(1,077,249.00)</b>	<b>24.5%</b>	<b>921,847.00</b>	<b>3,865,221.00</b>	<b>(2,943,374.00)</b>	<b>23.9%</b>	<b>1,271,611.00</b>	<b>5,292,234.00</b>	<b>(4,020,623.00)</b>	<b>24.0%</b>
<b>Expense</b>												
General and Admin Expenses	16,167.89	116,426.00	(100,258.11)	13.9%	43,003.10	237,453.00	(194,449.90)	18.1%	59,170.99	353,879.00	(294,708.01)	16.7%
General and Admin Labor	65,109.21	258,029.00	(192,919.79)	25.2%	165,874.91	620,531.00	(454,656.09)	26.7%	230,984.12	878,560.00	(647,575.88)	26.3%
O&M Labor	-	-	-	-	235,574.62	1,023,887.00	(788,312.38)	23.0%	235,574.62	1,023,887.00	(788,312.38)	23.0%
O&M Vehicle & Equip	-	-	-	-	8,882.11	115,000.00	(106,117.89)	7.7%	8,882.11	115,000.00	(106,117.89)	7.7%
O&M Contract Labor	-	-	-	-	11,751.33	130,000.00	(118,248.67)	9.0%	11,751.33	130,000.00	(118,248.67)	9.0%
O&M Material and Supplies	-	-	-	-	27,855.84	85,000.00	(57,144.16)	32.8%	27,855.84	85,000.00	(57,144.16)	32.8%
O&M Other Expenses	-	-	-	-	7,735.35	48,300.00	(40,564.65)	16.0%	7,735.35	48,300.00	(40,564.65)	16.0%
O&M Special Projects	-	-	-	-	140,464.11	1,605,050.00	(1,464,585.89)	8.8%	140,464.11	1,605,050.00	(1,464,585.89)	8.8%
Fisheries Labor	186,693.77	755,458.00	(568,764.23)	24.7%	-	-	-	-	186,693.77	755,458.00	(568,764.23)	24.7%
Fisheries Vehicle & Equip	5,998.64	82,500.00	(76,501.36)	7.3%	-	-	-	-	5,998.64	82,500.00	(76,501.36)	7.3%
Fisheries Contract Labor	-	19,100.00	(19,100.00)	0.0%	-	-	-	-	-	19,100.00	(19,100.00)	0.0%
Fisheries Material and Supplies	1,650.18	7,000.00	(5,349.82)	23.6%	-	-	-	-	1,650.18	7,000.00	(5,349.82)	23.6%
Fisheries Other Expenses	1,788.96	3,500.00	(1,711.04)	51.1%	-	-	-	-	1,788.96	3,500.00	(1,711.04)	51.1%
Fisheries Activities	22,020.32	175,000.00	(152,979.68)	12.6%	-	-	-	-	22,020.32	175,000.00	(152,979.68)	12.6%
Fisheries Habitat Enhancement	-	10,000.00	(10,000.00)	0.0%	-	-	-	-	-	10,000.00	(10,000.00)	0.0%
Other Interest Expense - EPFP	-	-	-	0.0%	-	-	-	-	-	-	-	0.0%
<b>Total Expense</b>	<b>299,428.97</b>	<b>1,427,013.00</b>	<b>(1,127,584.03)</b>	<b>21.0%</b>	<b>641,141.37</b>	<b>3,865,221.00</b>	<b>(3,224,079.63)</b>	<b>16.6%</b>	<b>940,570.34</b>	<b>5,292,234.00</b>	<b>(4,351,663.66)</b>	<b>17.8%</b>
<b>Surplus / (Deficit) - O&amp;M</b>	<b>\$ 50,335.03</b>	<b>\$ -</b>	<b>\$ 50,335.03</b>		<b>\$ 280,705.63</b>	<b>\$ -</b>	<b>\$ 280,705.63</b>		<b>\$ 331,040.66</b>	<b>\$ -</b>	<b>\$ 331,040.66</b>	
<b>Pass Thru Charges</b>												
EPFP Loan - Assessments	-	-	-	-	38,620.56	-	38,620.56	N/A	38,620.56	-	-	N/A
EPFP Loan - Interest Expense	-	-	-	-	(115.47)	-	(115.47)	N/A	(115.47)	-	-	N/A
<b>Sub Total Pass Thru Charges</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ 38,505.09</b>	<b>\$ -</b>	<b>\$ 38,505.09</b>	<b>N/A</b>	<b>\$ 38,505.09</b>	<b>\$ -</b>	<b>\$ 38,505.09</b>	<b>N/A</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ 50,335.03</b>	<b>\$ -</b>	<b>\$ 50,335.03</b>		<b>\$ 319,210.72</b>	<b>\$ -</b>	<b>\$ 319,210.72</b>	<b>N/A</b>	<b>\$ 369,545.75</b>	<b>\$ -</b>	<b>\$ 369,545.75</b>	<b>N/A</b>

Note: Results are unaudited and subject to change.

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# Cachuma Operation & Maintenance Board

Financial Review – 1<sup>st</sup> Quarter  
Fiscal Year 2021-22



# Financial Review

## Revenues Collected – 1st Quarter

<b>COMB O&amp;M Budget Assessment (July - September 2021)</b>	<b>\$ 1,271,100</b>
<b>USBR Lauro / Bradbury SOD Obligation (WY 2021-22)</b>	<b>309,100</b>
<b>EPFP Loan Assessment</b>	<b>154,500</b>
<b>Interest Income</b>	<b>1,300</b>
<b>Total Revenues Collected</b>	<b>\$ 1,736,000</b>



# Financial Review

	Operations Division			
	Jul - Sep (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
<b>Revenue</b>				
Revenue	\$ 921,847	\$ 3,865,221	\$ (2,943,374)	23.9%
<b>Expense</b>				
General and Admin Expenses	43,003	237,453	(194,450)	18.1%
General and Admin Labor	165,875	620,531	(454,656)	26.7%
O&M Labor	235,575	1,023,887	(788,312)	23.0%
O&M Vehicle & Equip	8,882	115,000	(106,118)	7.7%
O&M Contract Labor	11,751	130,000	(118,249)	9.0%
O&M Material and Supplies	27,856	85,000	(57,144)	32.8%
O&M Other Expenses	7,735	48,300	(40,565)	16.0%
O&M Special Projects	140,464	1,605,050	(1,464,586)	8.8%
<b>Total Expense</b>	\$ 641,141	\$ 3,865,221	\$ (3,224,080)	16.6%
<b>Net Surplus / (Deficit)</b>	\$ 280,706	\$ -	\$ 280,706	100.0%

Note: Results are unaudited and subject to change.

# Financial Review

## Operations Division

	Actual Jul-Sep	Budget Oct-Dec	Budget Jan-Mar	Budget Apr-Jun	Annual Projected	Annual Budget	Over / (Under) Budget (\$)	% of Budget
<b>Revenue</b>								
Revenue	\$ 921,847	\$ 1,153,461	\$ 874,461	\$ 915,961	\$ 3,865,731	\$ 3,865,221	\$ 510	100.0%
<b>Expense</b>								
General and Admin Expense	43,003	55,094	48,594	45,344	192,035	237,453	(45,418)	80.9%
General and Admin Labor	165,875	155,133	155,133	155,133	631,273	620,531	10,742	101.7%
O&M Labor	235,575	255,972	255,972	255,972	1,003,491	1,023,887	(20,396)	98.0%
O&M Vehicle & Equip	8,882	18,750	18,750	18,750	65,132	115,000	(49,868)	56.6%
O&M Contract Labor	11,751	32,500	32,500	32,500	109,251	130,000	(20,749)	84.0%
O&M Material and Supplies	27,856	25,000	20,000	30,000	102,856	85,000	17,856	121.0%
O&M Other Expenses	7,735	11,513	11,513	13,763	44,523	48,300	(3,778)	92.2%
O&M Special Projects	140,464	599,500	332,000	364,500	1,436,464	1,605,050	(168,586)	89.5%
<b>Total Expense</b>	<b>\$ 641,141</b>	<b>\$ 1,153,461</b>	<b>\$ 874,461</b>	<b>\$ 915,961</b>	<b>\$ 3,585,025</b>	<b>\$ 3,865,221</b>	<b>\$ (280,196)</b>	<b>92.8%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ 280,706</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 280,706</b>	<b>\$ -</b>	<b>\$ 280,706</b>	

Note:

Results are unaudited and subject to change.

# Financial Review

## Fisheries Division

	Jul-Sep (YTD)	Annual Budget	Over / (Under) Budget (\$)	% of Budget
<b>Revenue</b>				
Revenue	\$ 349,764	\$ 1,427,013	\$ (1,077,249)	24.5%
<b>Expense</b>				
General and Admin Expenses	16,168	116,426	(100,258)	13.9%
General and Admin Labor	65,109	258,029	(192,920)	25.2%
Fisheries Labor	186,694	755,458	(568,764)	24.7%
Fisheries Vehicle & Equip	5,999	82,500	(76,501)	7.3%
Fisheries Contract Labor	-	19,100	(19,100)	0.0%
Fisheries Material and Supplies	1,650	7,000	(5,350)	23.6%
Fisheries Other Expenses	1,789	3,500	(1,711)	51.1%
Fisheries Activities	22,020	175,000	(152,980)	12.6%
Fisheries Habitat Enhancement	-	10,000	(10,000)	0.0%
<b>Total Expense</b>	<b>\$ 299,429</b>	<b>\$ 1,427,013</b>	<b>\$ (1,127,584)</b>	<b>21.0%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ 50,335</b>	<b>\$ -</b>	<b>\$ 50,335</b>	<b>100.0%</b>

Note: Results are unaudited and subject to change.

# Financial Review

## Fisheries Division

	Actual Jul-Sep	Budget Oct-Dec	Budget Jan-Mar	Budget Apr-Jun	Annual Projected	Annual Budget	Over/(Under) Budget (\$)	% of Budget
<b>Revenue</b>								
Revenue	\$ 349,764	\$ 353,455	\$ 339,355	\$ 341,355	\$ 1,383,928	\$ 1,427,013	\$ (43,085)	97.0%
<b>Expense</b>								
General and Admin Expenses	16,168	26,858	23,358	21,608	87,991	116,426	(28,435)	75.6%
General and Admin Labor	65,109	64,508	64,508	64,508	258,632	258,029	603	100.2%
Fisheries Labor	186,694	188,864	188,864	188,864	753,287	755,458	(2,171)	99.7%
Fisheries Vehicle & Equip	5,999	10,625	10,625	10,625	37,874	82,500	(44,626)	45.9%
Fisheries Contract Labor	-	16,850	750	750	18,350	19,100	(750)	96.1%
Fisheries Material and Supplies	1,650	1,750	1,750	1,750	6,900	7,000	(100)	98.6%
Fisheries Other Expenses	1,789	500	500	2,000	4,789	3,500	1,289	136.8%
Fisheries Activities	22,020	35,000	35,000	45,000	137,020	175,000	(37,980)	78.3%
Fisheries Habitat Enhancement	-	8,500	14,000	6,250	28,750	10,000	18,750	287.5%
<b>Total Expense</b>	<b>\$ 299,429</b>	<b>\$ 353,455</b>	<b>\$ 339,355</b>	<b>\$ 341,355</b>	<b>\$ 1,333,593</b>	<b>\$ 1,427,013</b>	<b>\$ (93,420)</b>	<b>93.5%</b>
<b>Net Surplus / (Deficit)</b>	<b>\$ 50,335</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,335</b>	<b>\$ -</b>	<b>\$ 50,335</b>	

Note: Results are unaudited and subject to change.

# Financial Review

## Upcoming Deliverables – Administrative Division

- Complete FYE 06/30/21 Annual Financial Audit
- Complete FYE 06/30/21 GASB 74/75 OPEB Valuation
- Conduct Open Enrollment – COMB Employee Health Insurance
- Finalize COMB Sustainability Plan
- Advancement of Board Policies and Internal Procedures

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 25, 2021
Submitted by:	Joel Degner
Approved by:	Janet Gingras

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**SUBJECT:** Infrastructure Improvement Plan (IIP) Projects – COMB / Carpinteria Valley Water District (CVWD) Draft Cooperative Agreement

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**RECOMMENDATION:**

The Board of Directors review the COMB/CVWD proposed Draft Cooperative Agreement and provide direction to staff, as appropriate.

**SUMMARY:**

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

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

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

**BACKGROUND:**

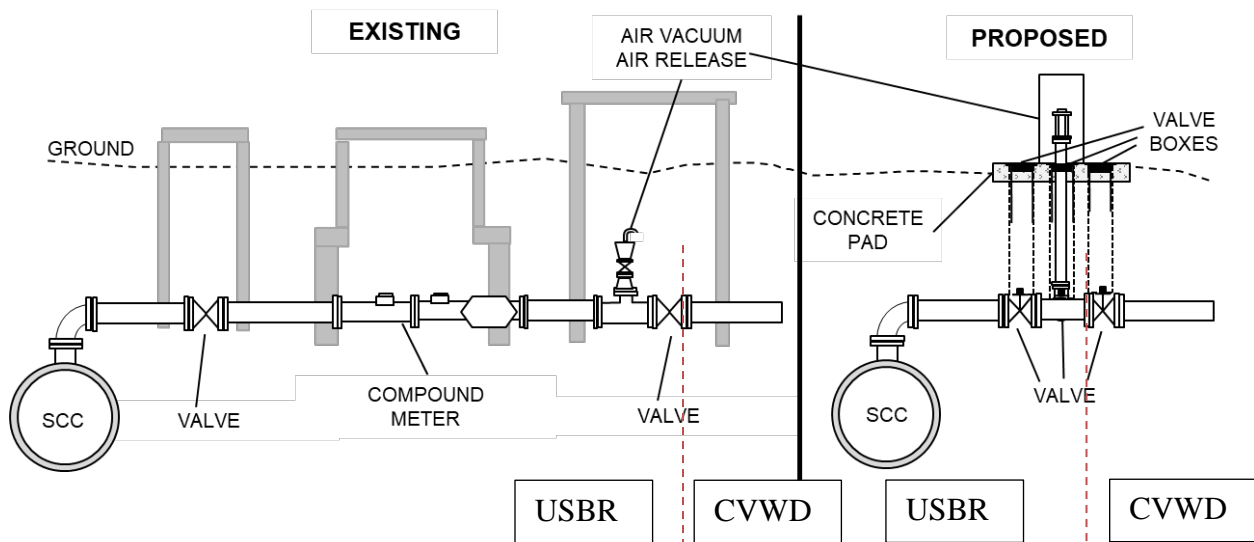
In the Carpinteria reach of the SCC there are over thirty laterals along five miles of Conduit with three isolation valves making it nearly impossible to shut down a section of the conduit without significant water service outages for CVWD customers. As such, the ability for COMB to repair and rehabilitate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

CVWD has proposed to financially participate in rehabilitating SCC laterals in collaboration with COMB installing two (2) isolation valves on the SCC. This approach would allow improved isolation and enable longer shutdowns to repair and maintain the system in the future or during an emergency.

***Lower Reach Lateral Structures***

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

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



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

**Remaining SCC AVAR/BO Structures**

The rehabilitation upgrades to the SCC AVAR/BO facilities are essential for continued reliable delivery of water through the South Coast Conduit (SCC). The SCC AVAR-BO work has been divided into six schedules, A through F (Figure 2). Schedule A, B, C, D, and E were successfully completed by Cushman Contracting Corporation with the rehabilitation of 42 structures from 2018-2020. Schedule F in the CVWD Service Area involves the rehabilitation of 12 structures (five air vents and seven blowoffs on the SCC). Using the existing line valves, the SCC in Carpinteria can be divided into 4 separate zones for shutdowns. During a shutdown of a zone, CVWD would need to supply water using temporary facilities to each lateral within the zone to maintain customer service.

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



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

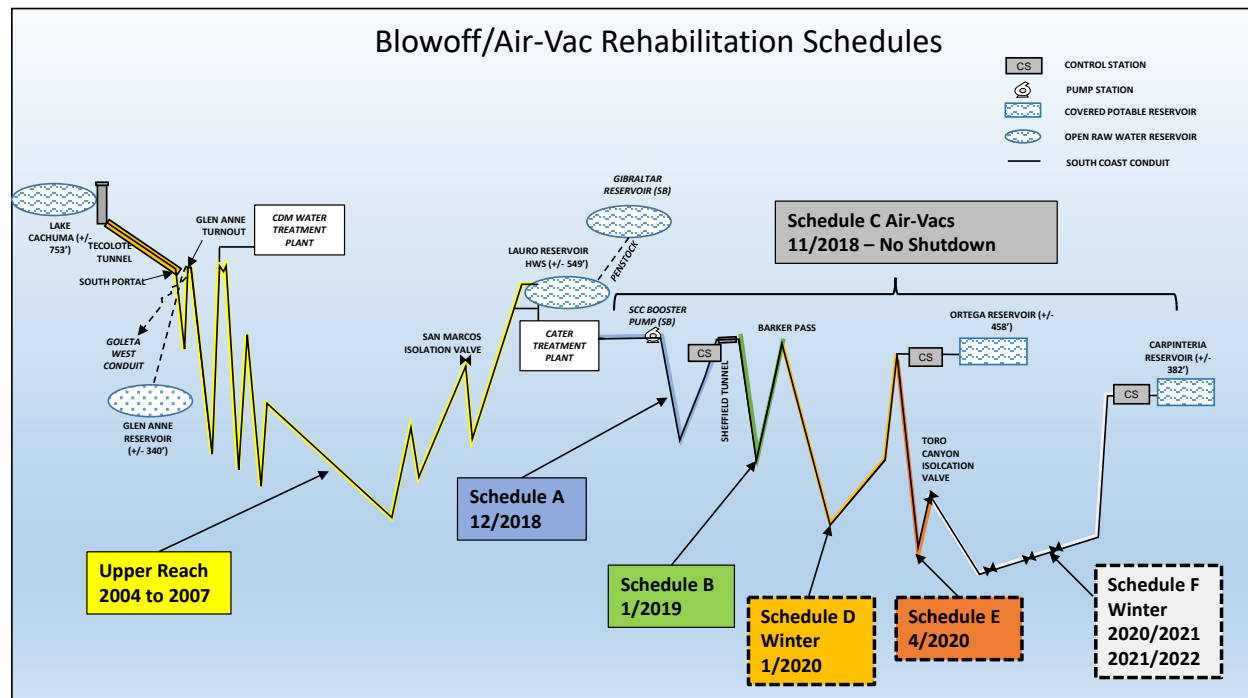


Figure 2. SCC Air-Vac/Blowoff Rehab Schedule

The isolation valve(s) installation on the SCC are not part of SCC AVAR/BO project. As such, CVWD has proposed to fund up to \$1m of improvements for the lateral rehabilitation project through the use of dedicated District capital budget. In collaboration, COMB has shifted budgeted funding from the lateral rehabilitation project to the installation of two in-line isolation valves, resulting in a long-term benefit and operational flexibility for both COMB and the District. This approach would effectively result in CVWD funding the SCC inline isolation valves by way of offsetting costs to the lateral rehabilitation project. The intent of CVWD is to keep COMB whole with an alternative work plan.

**FISCAL IMPACTS:**

The cooperative agreement will be divided into two phases. The first phase will involve \$450,000 in costs in FY 2021-22 to each agency based on the costs for the installation of the La Mirada Isolation Valve. CVWD will in turn rehabilitate lateral structures in Phase 1 equal to the \$450,000 costs of the La Mirada Isolation Valve. COMB has sufficient funding available in the Fiscal Year 2021-2022. The Cooperative Agreement includes a Review of Progress of work after Phase 1 is complete. After the review, depending on the performance of work, the amount of funds expended, and the current funding available (which may be impacted by drought conditions) the COMB Board would have discretion on the continuation of Phase 2 and approval of the second in-line isolation valve (Lillingston) for construction in Fiscal Year 2022-2023. The Lillingston isolation valve is estimated to cost up to \$500,000 and would be reviewed and potentially approved by the COMB Board in Fiscal Year 2022-2023 to initiate Phase 2 of the agreement.

**LEGAL CONCURRENCE:**

Legal counsel recommends that COMB enter into a cooperative agreement with CVWD if the Board approves moving forward with the isolation valves/lateral rehabilitation projects.

**ENVIRONMENTAL COMPLIANCE:**

Reclamation provided COMB a Category 1 recommendation to rehabilitate all subgrade air valve to above ground locations in 2012. COMB is the only Reclamation transferred project work agency with an outstanding Category 1 recommendation in the Mid-Pacific region. Reclamation typically requires Category 1 recommendations to be completed within six months. Reclamation requests frequent updates and expects forward progress on the completion of the Category 1 recommendation. The proposed cooperative agreement facilitates the completion of the Category 1 recommendation.

**COMMITTEE STATUS:**

The Operations Committee reviewed the COMB/CVWD Proposed Draft Cooperative Agreement and forwards to the Board of Directors with a recommendation to review and provide direction to staff as appropriate.

**LIST OF EXHIBITS:**

1. Draft Cooperative Agreement
  - A. Schedule
  - B. Letter of Understanding

**COOPERATIVE AGREEMENT**  
**Between**  
**Cachuma Operation and Maintenance Board**  
**and**  
**Carpinteria Valley Water District**

**(For Collaboration on Rehabilitation Projects Improving the South Coast Conduit  
in the Carpinteria Reach)**

This cooperative agreement (Agreement) is entered into this \_\_\_\_ Day of \_\_\_\_\_ of 2021 by and between the Carpinteria Valley Water District (“CVWD”) a California County Water District, and the Cachuma Operation and Maintenance Board (“COMB”), a Joint Powers Authority (individually, “Party,” and collectively, “Parties”).

**RECITALS**

**WHEREAS**, COMB operates and maintains certain Cachuma Project facilities pursuant to a Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation (“Reclamation”), including the intake tower and attached appurtenances at Cachuma Lake, enabling continued gravity flow to the Tecolote Tunnel through to the South Coast Conduit (“SCC”). The SCC is a critical piece of infrastructure that provides for the conveyance of Cachuma Project water and State Project water to over 200,000 residents on the South Coast of Santa Barbara County (“South Coast”); and

**WHEREAS**, since the late 1990s, COMB has made significant progress on the rehabilitation of the SCC system and its appurtenances. Specifically, the upper reach of the SCC system, which includes the area from the South Portal to Lauro Reservoir, was extensively rehabilitated during that time. As part of these efforts, COMB worked with Reclamation and consultant engineers to repair and replace important infrastructure components of the SCC to achieve a reliable conveyance system in the upper reach.

**WHEREAS**, the Carpinteria Valley Water District (“CVWD”) utilizes the SCC in the lower reach, which includes the area from Ortega Reservoir to Carpinteria Reservoir (“Carpinteria Reach”) through the use of structures known as “laterals,” as part of its distribution system; and

**WHEREAS**, approximately thirty (30) lateral structures in the Carpinteria Reach are over seventy (70) years old (“30 laterals”), have corrosion and valve operating limitations and thereby, have reached their maximum life span and are in critical need of rehabilitation; and

**WHEREAS**, COMB developed the Five-Year Infrastructure Improvement Plan (“IIP”) to address deficiencies within the SCC system, including within the Carpinteria Reach; and

**WHEREAS**, the ability for COMB to repair and rehabilitate structures within the Carpinteria Reach, including the 30 laterals, is extremely difficult due to limitations of shutting down the SCC system for the period of time needed to perform the necessary repair work; and

**WHEREAS**, CVWD proposed a collaborative alternative to the IIP, wherein certain structures within the Carpinteria Reach would be rehabilitated utilizing financial assistance from CVWD, with COMB providing alternative SCC system improvements. Specifically, under this alternative plan, CVWD will proceed with and fund the rehabilitation of the 30 laterals (“Lower Reach Lateral Rehabilitation Project”), with COMB installing two (2) new isolation valves on the SCC within the Carpinteria Reach (“SCC Isolation Valve Project”) (collectively, the “Alternative Project”); and

**WHEREAS**, the Alternative Project provides for a target final completion date of Spring 2023 for both the Lower Reach Lateral Rehabilitation Project and the SCC Isolation Valve Project, as well as other IIP projects, including originally-planned work involving the rehabilitation of a portion of the air vacuum/air release–blow-off valves (“AVAR/BO”) located within the Carpinteria Reach (“AVAR/BO Rehabilitation Project”). The Alternative Project will alleviate COMB from rehabilitating the 30 laterals and thereby, allow improved isolation of the SCC system and enable longer shutdowns to repair and maintain the system in the future or during an emergency; and

**WHEREAS**, the AVAR/BO Rehabilitation Project is essential for continued reliable delivery of water through the SCC. COMB retained an engineering consultant to assist COMB with the design of the AVAR/BO Rehabilitation Project, which was divided into six (6) schedules (A through F). During the period 2018 through 2020, Schedules A, B, C, D and E of the AVAR/BO Rehabilitation Project were successfully completed by COMB, with the rehabilitation of 42 AVAR/BO structures; and

**WHEREAS**, Schedule F of the AVAR/BO Rehabilitation Project is located within the Carpinteria Reach and involves the rehabilitation of 12 structures: five (5) AVARs and seven (7) BOs located on the SCC; and

**WHEREAS**, each of the 30 laterals generally contain three (3) vaults with confined space entry requirements: an upstream valve vault; a meter vault; and a downstream valve vault. The six-inch and larger laterals also contain compound meters, which were installed in 1957, and are designed to better measure low flows. The Lower Reach Lateral Rehabilitation Project proposes to remove the three (3) vault structures and the obsolete compound meter from each of the 30 laterals, and replace them with new piping, buried valves, and valve boxes. During the same time period of the Lower Reach Lateral Rehabilitation Project, it is anticipated that existing subgrade AVAR/BOs (in approximately half the 30 laterals) will be raised by COMB above grade as part of the AVAR/BO Rehabilitation Project; and

**WHEREAS**, the dependability of these 30 laterals is essential to provide reliable water service to customers in the Carpinteria Reach. Most of the connections in the 30 laterals require the installation of replacement valves in order to effectively isolate the laterals ahead of any planned SCC shutdown for repairs to the AVAR/BOs as proposed in Schedule F of the AVAR/BO Rehabilitation Project; and

**WHEREAS**, for COMB, the benefit of the Lower Reach Lateral Rehabilitation Project will include the elimination of approximately 90 confined space structures, 16 subgrade AVAR's and associated future structure maintenance. For CVWD, the Lower Reach Lateral Rehabilitation Project will provide more operational flexibility during SCC maintenance and shutdowns; and

**WHEREAS**, the 30 laterals are numbered "1 through 30," and are divided into six (6) separate isolation zones. The first phase of the Lower Reach Lateral Rehabilitation Project is anticipated to include laterals numbered 1 through 6, 12 through 16, and laterals 17 through 20, which are referred to as "Zone 1" (or "Z1"), "Zone 3" (or "Z3"), and "Zone 4" (or "Z4"), respectively. This first phase of the Lower Reach Lateral Rehabilitation Project is anticipated to begin in the 2nd Quarter of FY 2021-2022 (November) and be completed by the 4th Quarter of FY 2021-2022 (May 2022), as noted in the schedule for the Alternative Project ("Schedule"), which is set forth in Table 1 in "Attachment A" to this Agreement and is incorporated herein by reference; and

**WHEREAS**, the second phase of the Lower Reach Lateral Rehabilitation Project will include laterals numbered 7 through 11, laterals numbered 21 through 26 and numbered 27 and 28, which are referred to as "Zone 2" (or "Z2"), "Zone 5" (or "Z5"), and "Zone 6" (or "Z6"), respectively. This second phase of the Lower Reach Lateral Rehabilitation Project is anticipated to begin in the 2nd Quarter of FY 2022-2023 (November 2022) and be completed by the 4th Quarter of FY 2022-2023 (May 2023), as noted in the Schedule, Table 1, Attachment A; and

**WHEREAS**, in performing the Lower Reach Lateral Rehabilitation Project, CVWD shall improve those specific laterals identified by COMB as a priority or preference; and

**WHEREAS**, based on the existing isolation line valves in the Carpinteria Reach, it can be divided into four (4) separate zones for purposes of shutdowns of the SCC system necessary to perform any rehabilitation projects, including the AVAR/BO Rehabilitation Project. During a shutdown of any one of those four (4) zones, CVWD would need to supply water to each lateral within the zone to maintain customer service, which would mainly involve temporary bypass piping and water-tending trucks. CVWD has estimated that it would cost over \$1 million to provide water supplies to its laterals in order to facilitate the shutdowns of the SCC in the four (4) zones as part of the AVAR/BO Rehabilitation Project.

**WHEREAS**, as part of the Alternative Project, CVWD proposes a more viable, permanent solution to providing water during any shutdowns of the SCC system in the Carpinteria Reach, which proposes the installation of robust connection improvements, including the installation of two (2) new isolation valves as part of the SCC Isolation Valve Project. In doing so, the SCC Isolation Valve Project will provide long-term capital improvements in rehabilitating the Carpinteria Reach, rather than expending resources on temporary bypass piping and water-tending trucks; and

**WHEREAS**, the SCC Isolation Valve Project is not part of the SCC AVAR/BO Rehabilitation Project. As such, as part of the Alternative Project, CVWD proposes to fund the SCC Isolation Valve Project by (1) offsetting COMB's originally planned lateral rehabilitation (currently estimated at \$1,000,000) through the use of budgeted capital funding acquired by CVWD; and (2) paying COMB an amount equal to the difference between the costs expended to complete the

SCC Isolation Line Valve Project and those of the Lower Reach Lateral Rehabilitation Project or \$300,000, whichever is less (the "Offset") , from the CVWD capital budget to cover COMB's cost to complete the SCC Isolation Valve Project. In essence, as part of the Alternative Project, in collaboration with CVWD, COMB will shift budgeted funding from its originally-planned lateral rehabilitation project to the SCC Isolation Valve Project, with financial assistance from CVWD, resulting in a long-term benefit and operational flexibility for both COMB and CVWD. CVWD's obligation to pay COMB the cost difference under the Offset is contingent upon the costs expended on the SCC Isolation Valve Project being greater than those expended on the Lower Reach Lateral Rehabilitation Project; and

**WHEREAS**, in regard to the SCC Isolation Valve Project, CVWD and COMB worked together to identify the existing isolation valves to be installed in order to provide the most operational flexibility to facilitate SCC system shutdowns. The two isolation line valves selected for installation as part of the SCC Isolation Valve Project are: (1) one located on the north shoulder of Highway 192, east of La Mirada Drive ("La Mirada" isolation valve); and (2) one located west of Lillingston Canyon Road near Carpinteria Creek ("Lillingston" isolation valve). These two (2) isolation valve locations were also selected to limit potential impacts to Highway 192, including the amount of traffic control that would be required in order to reduce costs; and

**WHEREAS**, the La Mirada isolation valve is proposed to be installed as part of the first phase of the SCC Isolation Valve Project. The engineering for the La Mirada isolation valve was completed at the end of FY 2020-21 (June 2021). COMB's installation of the La Mirada isolation valve would begin and be completed in the 2nd Quarter of FY 2021-2022 (October - December 2021), as noted in the Schedule, Table 1, Attachment A; and

**WHEREAS**, the Lillingston isolation valve is proposed to be installed as part of the second phase of the SCC Isolation Valve Project. The engineering for the Lillingston isolation valve should be completed by the 4<sup>th</sup> Quarter of FY 2021-2022 (June 2022). COMB's installation of the Lillingston isolation valve should begin and be completed in the 2nd Quarter of FY 2022-2023 (October - December 2022), as noted in the Schedule, Table 1, Attachment A; and

**WHEREAS**, three (3) of the remaining five (5) AVAR's on the SCC that require rehabilitation are located subgrade within Highway 192. In October 2020, COMB performed structure maintenance on the three AVAR's in Highway 192 (numbered "643+92," "676+67" and "874+00"). All three of these AVAR's are corroded to the point where their operation is questionable. Of these three AVAR's, only the valve beneath AVAR numbered 874+00 was functional. The valves beneath AVAR's numbered 643+92 and 676+67 are inoperable and do not allow the AVAR's to be replaced; and

**WHEREAS**, in the winter of 2021-2022, COMB plans to replace the AVAR numbered 874+00 without a shutdown of the SCC system. A shutdown, however, is required to replace AVAR's numbered 643+92 and 676+67; and

**WHEREAS**, the existing shutdown zone in the Carpinteria Reach, including the two (2) AVAR's numbered 643+92 and 676+67 would result in outages of the laterals numbered 1

through 11 in said Reach. As part of the SCC Isolation Valve Project, the installation of the La Mirada isolation valve would allow this particular shutdown zone to be split into two (2) segments (“Z1” and “Z2”). The first of these two segments, which includes laterals numbered 1 through 6, has three (3) AVAR’s and two (2) BOs that require rehabilitation. As such, as part of the Lower Reach Lateral Rehabilitation Project, CVWD is anticipated to first start with the rehabilitation of laterals numbered 1 through 6 respectively in Fiscal Year 2021-22 in order to prepare for the anticipated “Z1” shutdown of the SCC in the Carpinteria Reach during the winter of 2021-22; and

**WHEREAS**, on October 29, 2020, the Parties entered into a Letter Agreement under which CVWD shall pay up to \$49,400 for engineering designs for the La Mirada isolation valve (“Letter Agreement”), which is attached hereto as “Attachment B” and incorporated herein by reference; and

**WHEREAS**, engineering designs for the La Mirada isolation valve have been completed and cost approximately \$49,400. CVWD paid for the cost of the engineering designs for the La Mirada isolation line valve as a demonstration of its proposed financial obligations as part of the Alternative Project; and

**WHEREAS**, engineering designs for the Lillingston isolation valve are estimated to cost approximately \$33,500. As part of the Alternative Project, CVWD will pay for the cost of the engineering designs for the Lillingston isolation valve; and

**WHEREAS**, based on bid estimates and historical isolation valve projects, it is estimated that the installation of the La Mirada and Lillingston isolation valves will cost up to \$450,000 and \$500,000, respectively, for a total estimated costs of approximately \$950,000; and

**WHEREAS**, in addition to funding the Lower Reach Lateral Rehabilitation Project, which is currently estimated to cost approximately \$1,000,000, CVWD, as part of the Alternative Project, has proposed to pay COMB the Offset of differential costs expended on the SCC Isolation Valve Rehabilitation Project, estimated to be approximately \$950,000 and those of the Lower Reach Lateral Rehabilitation Project. Specifically, in the event the costs expended on the SCC Isolation Project are greater than those expended on the Lower Reach Lateral Rehabilitation Project; CVWD shall offset COMB’s costs by paying COMB an amount equal to the difference between the costs expended to complete the SCC Isolation Line Project and those of the Lower Reach Lateral Rehabilitation Project or up to \$300,000, whichever is less, rather than expending a similar amount on temporary bypass piping and water tending trucks necessary during a shutdown of the SCC system for rehabilitation projects; and

**WHEREAS**, the proposed Alternative Project, including the Lower Reach Lateral Rehabilitation Project and the SCC Isolation Valve Project, require approval from Reclamation prior to any construction.

**NOW, THEREFORE**, based on the foregoing, the Parties hereby agree to the following:

1. Project Schedule. The Schedule for the Alternative Project is set forth in Table 1,

Attachment A to this Agreement and is incorporated herein by reference.

1.1. As set forth in the Schedule, the Parties anticipate that the Alternative Project will be completed before April 2023.

1.2. The Parties shall work together to meet the timelines set forth in the Schedule. The Parties understand that the timelines in the Schedule are subject to change due to emergency conditions, including those related to the declared drought emergency. In addition, in the event that any necessary changes are agreed-upon, the Schedule will be adjusted pursuant to negotiation and agreement between the Parties.

2. COMB Obligations and Duties. COMB agrees to:

2.1. Subject to approval by Reclamation, enter into this Agreement regarding the Alternative Project under which the Parties will collaborate on rehabilitation projects improving the SCC in the Carpinteria Reach;

2.2. Perform the SCC Isolation Valve Projects as follows:

a. Install the La Mirada isolation valve as part of the first phase, pursuant to the Schedule set forth in Table 1, Attachment A, in coordination with the schedule of CVWD's performance of the Lower Reach Lateral Rehabilitation Project; and

b. Subject to the Review of Progress of Work, as described herein-below in Section 4, install the Lillingston isolation valve as part of the second phase, pursuant to the Schedule set forth in Table 1, Attachment A, in coordination with CVWD's performance of the Lower Reach Lateral Rehabilitation Project; and

2.3. Cooperate and coordinate with engineering consultants and CVWD staff when carrying out and implementing this Agreement regarding the Alternative Project;

2.4. Participate in meetings regarding the Alternative Project, when appropriate;

2.5. Reasonably and timely notify CVWD if assumptions regarding the SCC Isolation Valve Projects change after work begins on said Project;

2.6. Reasonably and timely notify CVWD when an invoice for work on the SCC Isolation Valve Project is received and the amount of said invoice is due, in the event the costs of the SCC Isolation Valve Project exceed those of the Lower Reach Lateral Rehabilitation Project;

2.7. Provide legal access to the SCC to CVWD and its contractors for the purpose of performing the work under this Agreement; and



3. CVWD Obligations and Duties. CVWD agrees to:

3.1. Subject to approval of Reclamation, to enter into this Agreement regarding the Alternative Project under which the Parties will collaborate on rehabilitation projects improving the SCC in the Carpinteria Reach;

3.2. Perform the Lower Reach Lateral Rehabilitation Project pursuant to the Schedule set forth in Table 1, Attachment A, in coordination with COMB's performance of the SCC Isolation Valve Project;

3.3. Pursuant to the Letter Agreement dated October 29, 2020, attached as Attachment B to this Agreement, pay, up to the total amount of \$49,400, for the engineering designs for the La Mirada isolation valve as part of the SCC Isolation Valve Project, pursuant to the Schedule set forth in Table 1, Attachment A;

3.4. Pay, up to the total amount of \$33,500, for the engineering designs for the Lillingston isolation valve as part of the SCC Isolation Valve Project, pursuant to the Schedule set forth in Table 1, Attachment A;

3.5. In the event the costs expended on the SCC Isolation Project are greater than those expended on the Lower Reach Lateral Rehabilitation Project, CVWD shall pay COMB for the work performed on the SCC Isolation Valve Project up to the total amount of \$300,000 or equal to the difference between the costs expended to complete the SCC Isolation Valve Project and those of the Lower Reach Lateral Rehabilitation Project, whichever is less.

3.6. Promptly pay invoices for the work performed on the SCC Isolation Valve Project, upon the request of COMB;

3.7. At its option, request that any surplus unexpended funds held by COMB on behalf of CVWD under the terms and conditions of 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 ("COMB JPA Agreement") be used to pay for all or part of outstanding invoices for the work performed on the SCC Isolation Valve Projects;

3.8. Cooperate and coordinate with engineering consultants and COMB staff when carrying out and implementing this Agreement regarding the Alternative Project;

3.9. Participate in meetings regarding the Alternative Project, when appropriate;

3.10. Reasonably and timely notify COMB if assumptions regarding the Lower Reach Lateral Rehabilitation Project change after work begins on said Project;

3.11. Provide legal access to the SCC's Carpinteria Reach to COMB and its contractors for the purpose of performing the work under this Agreement; and

4. Review of Progress of Work. The Parties agree that upon completion of the first phase of the Lower Reach Lateral Rehabilitation Project, involving Zones 1, 3, and 4, anticipated in the 4th Quarter of FY 2021-2022 (April 2022), as noted in the Schedule set forth in Table 1, Attachment A, the Parties shall review and evaluate the progress of the work to date, including the performance of the work and the amount of funds expended on said Project (the "Review"). This Review shall occur no later than the end of the 4th Quarter of FY 2021-2022 (June 30, 2022), and can be initiated by written notice by either Party.

4.1. Upon notice of such a Review, the Parties shall have thirty (30) days to conduct said Review.

4.2. As part of this Review, the Parties shall consider whether they are satisfied with the progress and nature of the work being performed on said Project, including whether the work has been cost-effective and within the estimated budget.

4.3. If a Party believes the work to date is not satisfactory and/or is not within the anticipated budgetary cost estimates, within thirty (30) days from the completion of the Review, the Party shall inform the other Party of any such concerns, including any proposed changes or revisions necessary to address and remedy said concerns. During this 30-day period, each Party shall provide notice to the other Party whether it intends to proceed with the next scheduled phase of the Alternative Project, as set forth in the Schedule in Table 1, Attachment A, or whether it will terminate this Agreement, as provided in this Agreement.

5. Performance. The Parties agree to perform, comply with and satisfy all of the terms and conditions of this Agreement.

6. Standards of Performance. All work performed by the Parties or their respective contractors under this Agreement shall be sufficient to meet the purposes specified herein and shall be rendered in accordance with the accepted practices and to the standards of said contractors' profession. Accordingly, the Parties and their respective contractors shall perform all such services in the manner and according to the standards observed by a competent practitioner of the same profession in which their contractors are engaged. All products of whatsoever nature, which the Parties and their contractors deliver pursuant to this Agreement, shall be prepared in a first class and workmanlike manner and shall conform to the standards of quality normally observed by a person practicing in these contractors' profession.

7. Provision of Information. The Parties shall make available all data and information in their respective possession necessary for the satisfactory preparation and completion of the work under this Agreement, and shall actively aid and assist the other Party in obtaining such information from other agencies and individuals, if necessary.

8. Permits and Licenses. The Parties agree that they shall procure all necessary permits and licenses for the respective work they are performing under this Agreement

from all agencies having jurisdiction in the Alternative Project area. Copies of such permits and licenses shall be maintained for a period of at least three (3) years after the completion of the Alternative Project.

9. Term of Agreement. The term of this Agreement will begin on the date this Agreement is signed by both Parties, and will remain in full force and effect until the completion of the work of the Alternative Project, subject to earlier termination as provided in this Agreement, and with said term subject to extension by mutual written agreement of the Parties. As noted in the Schedule in Table 1, Attachment A, it is anticipated that the work under this Agreement will be completed before April 2023.

10. Termination of Agreement. Except as otherwise provided in this Agreement, the Parties may terminate this Agreement at any time by giving the other Party at least thirty (30) days written notice thereof. Upon termination, any outstanding invoices shall be paid for that portion of the work completed prior to termination.

11. Indemnification. Each Party shall indemnify the other Party against any and all claims, damages, liabilities, losses, costs and expenses (including reasonable attorneys' fees) arising out of any facility or thing furnished by the indemnifying party in connection with the work performed and activities under this Agreement, arising out of any acts done or words spoken by persons furnished therefore by it and/or or any use of any material furnished therefore by it, or arising out of or caused by its breach of any warranty or agreement contained in this Agreement. Each Party shall provide the other party with prompt written notice of any such claims of which the first Party is aware, and the Parties shall cooperate in the defense and resolution of such claims.

11.1. The indemnification and hold harmless obligations provided in this Agreement shall continue in full force and effect during the entire term of this Agreement, and shall also survive the expiration or termination of this Agreement.

12. Insurance. In the performance of the work under this Agreement, each Party shall require its respective contractors to maintain the following minimum liability and property damage insurance in the amount of (no less than): (a) general liability of Two Million Dollars (\$2,000,000) for each occurrence; (b) automobile liability of One Million Dollars (\$1,000,000.00) for each occurrence of bodily injury and property damage; and (c) professional liability (errors and omissions) of Two Million Dollars (\$2,000,000.00) for liability aggregate ("Policy"). The Policy shall name the respective Party as an additional insured and contain a provision that coverage afforded under the Policy shall be for the duration of the performance of the work, and shall not be canceled or not renewed until at least thirty (30) days' prior written notice to the Parties by certified or registered mail with proof of receipt. Each Party shall require that their respective contractors' Policy be issued by responsible insurers that are admitted in California and have a current A. M. Best's rating of no less than A:VII or equivalent.

13. Modification of Agreement. Any amendment or modification of this Agreement or additional obligation assumed by either Party in connection with this Agreement shall only

be binding if evidenced in writing signed by each Party or an authorized representative of each Party.

14. Entire Agreement. This Agreement, which incorporates herein the Letter Agreement in Attachment A, supersedes any and all other agreements, either oral or in writing, between the Parties hereto with respect to the subject matter hereof, and no other agreement, statement, representation, warranty, condition or promise related to the subject matter of this Agreement that is not contained in this Agreement shall be valid or binding.

15. Governing Law. The Parties agree that this Agreement and the performance under this Agreement, and all suits and special proceedings under this Agreement, shall be construed in accordance with and governed, to the exclusion of the law of any other forum, by the laws of the State of California, in Santa Barbara County, without regard to the jurisdiction in which any action or special proceeding may be instituted.

16. Dispute Resolution. In the event a dispute arises out of, or in connection with, this Agreement, the Parties shall attempt to resolve the dispute through friendly consultation.

16.1. If the dispute is not resolved within a reasonable period, then any or all outstanding issues may be submitted to mediation in accordance with any statutory rules of mediation.

17. Records. Each Party shall retain all its records relating to this Agreement for a period of three (3) years following expiration or termination of the Agreement, or following resolution of any dispute under this Agreement, whichever occurs later.

18. Severability. In the event that any of the provisions of this Agreement are held to be invalid or unenforceable in whole or in part, all other remaining provisions will nevertheless continue to be valid and enforceable with the invalid or unenforceable parts severed from the remainder of this Agreement.

19. Non-Assignment. The Parties shall not assign, transfer or subcontract this Agreement or any of its rights or obligations under this Agreement without the prior written consent of the Parties, and any attempt to so assign, subcontract or transfer without such consent shall be void and without legal effect and shall constitute grounds for termination.

20. Nature of Relationship. The Parties agree that nothing in this Agreement is intended, or is to be deemed, to create a partnership or joint venture between the parties.

20.1. The Parties further agree that their work and activities under this Agreement are performed as independent agencies. None of the employees or agents of any Party shall be employees or agents of any other Party to this Agreement.

20.2. Except as provided in this Agreement, the Parties' respective responsibilities relating to the SCC and the Carpinteria Reach, and any associated facilities and structures, shall not be altered by this Agreement.

21. No Waiver. No waiver or modification of any of the terms of this Agreement shall be valid unless in writing. No waiver by either Party of a breach or default of this Agreement shall be deemed a waiver by such Party of any subsequent breach or default.

22. Third Party. Nothing in this Agreement, expressed or implied, is intended to confer any rights or remedies under or by reason of this Agreement on any third party, nor is anything in this Agreement intended to relieve or discharge the obligation or liability of any third party to any Party to the Agreement, nor shall any provision of this Agreement give any third party any right of subrogation or action over or against any Party to this Agreement.

23. Counter Parts. This Agreement may be executed in one or more counterparts, and shall become effective when one (1) or more counterparts have been signed by all of the Parties; each counterpart shall be deemed an original, but all counterparts shall constitute a single document.

24. Notices. All notices, demands, and communications between the Parties shall be in writing and duly addressed as indicated below and given by email, personal delivery, registered or certified mail (postage prepaid and return receipt requested), Federal Express or other reliable private express delivery, or by facsimile transmission.

24.1. Such notices, demands, or communications shall be deemed received (a) upon delivery, if personally served or sent by facsimile, or (b) after three (3) business days, if given or sent by any other approved manner specified above.

24.2. Any Party to this Agreement may change its below-specified name, address, facsimile number, or person to whom attention should be directed by giving notice as specified in this Section.

24.3. Notices, demands, and communications under this Agreement shall be duly addressed and sent as follows:

To CVWD:  
Attn: Robert McDonald, General Manager  
[Bob@CVWD.net](mailto:Bob@CVWD.net)  
1301 Santa Ynez Ave  
Carpinteria CA, 93013  
805- 684-2816, ext. 123

TO COMB:  
Attn: Janet Gingras, General Manager  
[jgingras@cachuma-board.org](mailto:jgingras@cachuma-board.org)  
3301 Laurel Canyon Road,  
Santa Barbara CA 93105  
805 687- 4011 ext. 201

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

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

**IN WITNESS WHEREOF**, the undersigned execute this Agreement on behalf of the Parties.

Acknowledged and Agreed

Date: \_\_\_\_\_, 2021

\_\_\_\_\_  
Mathew Roberts, Board President,  
Carpinteria Valley Water District

ATTEST:

APPROVED AS TO FORM:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
Roger Myers, General Counsel

Acknowledged and Agreed

Date: \_\_\_\_\_, 2021

\_\_\_\_\_  
Kristen Sneddon, Vice-President  
Cachuma Operation & Maintenance  
Board

ATTEST:

APPROVED AS TO FORM:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
General Counsel

## COMB/CVWD Cooperative Agreement - Draft Schedule

PROJECT DESCRIPTION	Fiscal Year 2021-2022												Fiscal Year 2022-2023											
	1st QTR			2nd QTR			3rd QTR			4th QTR			1st QTR			2nd QTR			3rd QTR			4th QTR		
	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
LINE VALVE PROJECT							LA MIRADA CONST			LILLING. ENG						LILLING. CONST								
LATERAL REHABILITATION							LAT 1-6 (Z1) LAT 12-16 (Z3) LAT 17-20 (Z4)									LAT 7-11 (Z2) LAT 21-26 (Z5) LAT 27-28(Z6)								

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# Carpinteria Valley Water District

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

BOARD OF DIRECTORS

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

October 29, 2020

GENERAL MANAGER

*Robert McDonald, P.E., MPA*

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

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

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

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

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

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

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

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

expectations for the larger, more comprehensive Alternative Project.

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

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

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

COMB Duties;

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

District Duties;

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

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

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

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

All notices, demands, and communications between the Parties shall be duly addressed as indicated below and given by Email, personal delivery, registered or certified mail (postage prepaid and return receipt requested), Federal Express or other reliable private express delivery, or by facsimile transmission. Such notices, demands, or communications shall be deemed

received (i) upon delivery if personally served or sent by facsimile, or (ii) after three business days if given or sent by any other approved manner specified above. Any Party to this Agreement may change its below-specified name, address, facsimile number, or person to whom attention should be directed by giving notice as specified in this Section. A copy of any notice, demand, or communication sent to the parties pursuant to this Agreement shall be sent to the parties' legal counsel. Notices, demands, and communications shall be duly addressed and sent as follows:

To the District:

Attn: Robert McDonald, General Manager  
Bob@CVWD.net  
1301 Santa Ynez Ave  
Carpinteria CA, 93013  
805- 684-2816 XT 123

TO COMB:

Attn: Janet Gingras, General Manager  
jgingras@cachuma-board.org  
3301 Laurel Canyon Road,  
Santa Barbara CA 93105  
805 687- 4011 x 201

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

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

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

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

Date: Oct 29 -, 2020



Matthew T. Roberts, President

Carpinteria Valley Water District

Acknowledged and Agreed

10/29/2020

Date: \_\_\_\_\_, 2020

DocuSigned by:  
*Polly Holcombe*  
0495CE56EBB44DE...

\_\_\_\_\_  
Polly Holcombe, President  
Cachuma Operation & Maintenance Board

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

# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 25, 2021
Submitted by:	Joel Degner
Approved by:	Janet Gingras

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**SUBJECT:** Lake Cachuma Secured Pipeline Design and Bid Support for Cachuma Conveyance Operations – Contract Addendum

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**RECOMMENDATION:**

The Board of Directors review the proposed cost and staff recommendation for the Lake Cachuma Secured Pipeline Design and Bid Support and approve and authorize the General Manager to execute a contract addendum with Makai Ocean Engineering, Inc. in an amount not to exceed \$88,000.

**SUMMARY:**

In October 2020, Makai Ocean Engineering, Inc. (Makai) completed the designs and specifications for the secured pipeline project at Lake Cachuma. If drought conditions continue, COMB is planning to potentially issue the bid documents for construction of the project in the January/February 2022 timeframe with construction commencing as early as May/June 2022. The tasks for this scope of work is consistent with Makai's original proposal from October 2019. COMB intends to provide an addendum to the previous contract for supplemental funding for Tasks 2 and 3 and approve funding for bid-phase engineering services (Task 4).

Staff requested Makai to continue the secured pipeline design investigation which includes reviewing the 2021 bathymetric survey data to determine if the results of the new survey would impact/change the current designs. In addition, the scope of work includes reviewing and confirming the ideal maximum elevation range to economically install the Secured Pipeline Project without substantially altering the existing design. Makai will also provide engineering estimates and information on current costs and lead times for key components of the project (HPDE pipeline, intake screen, and concrete ballast structures) due to the current volatility of the manufacturing environment and supply chain issues.

Tasks 3 and 4 include preparing final construction documents and providing bid-phase support services that will consist of preparation of the bid documents, solicitation of the bid, communicating with contractors, conducting a pre-bid meeting and bidder's conference tour of the lake, and evaluating contractor submissions. Makai will prepare bid addenda providing formal answers to bidder's questions. Tabulation and evaluation of the final bids will be performed by Makai along with a recommendation of award.

**FISCAL IMPACTS:**

Funding for the referenced design and bid support services from Makai are included in COMB's approved Fiscal Year 2022 Operating Budget. Approximately half of the costs associated with the proposal are fixed fee where deliverables are known and the remaining portion will be completed on a time and materials basis to account for variable nature of the scope and level of effort that may be required.

**ENVIRONMENTAL COMPLIANCE:**

There are no environmental compliance measures required to pursue the proposed engineering services. Staff is working with Reclamation to complete the NEPA/CEQA environmental compliance documents for the Project.

**COMMITTEE STATUS:**

The Operations Committee reviewed the staff recommendation and forwards the proposed cost for the Lake Cachuma Secured Pipeline Design and Bid Support to the Board with a recommendation to approve and authorize the General Manager to execute a contract addendum with Makai Ocean Engineering, Inc. in an amount not to exceed \$88,000.

**LIST OF EXHIBITS:**

1. Non-Competitive Bid Justification

# CACHUMA OPERATION & MAINTENANCE BOARD

## Non-Competitive Bid (NCB) Justification

**Date:** October 25, 2021  
**To:** COMB Board of Directors  
**From:** Engineering / Operations Division  
**Project:** Lake Cachuma Secured Pipeline Engineering Design Support

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

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

COMB staff recommended and the Board approved engineering support for Makai Ocean Engineering, Inc. to a design to secure the Site 1 pipeline component of the Emergency Pumping Facility Project to the bottom of the lake.

The goals of the modified design were to: (1) reduce the elevation triggers for installing the EPFP; (2) eliminate the need to install and remove temporary anchor piles; (3) eliminate the need to store the pipeline on the shoreline of the lake; and (4) reduce the deployment period from one year to 120 days. A modified design would allow the decision to deploy the facility to be made in the month of April once lake conditions are known, and to have the pumping facility operational by August. The secured pipeline would also reduce the cost for each subsequent use of the Emergency Pumping Facility. With a secured pipeline installed, the remaining assembly would include the floating pump station which would connect to the secured pipeline at Site 1.

Staff sent a Request for Proposal to two experienced underwater HDPE pipeline installation engineering firms, Makai Ocean Engineering, Inc. and Cross Marine Projects, Inc., to request costs for a feasibility study. The study included reviewing previous surge analysis, preliminary design reports, and determining whether the current pipeline stored at the lake could be utilized for the submerged application. Also requested was a recommendation for pipeline if the current pipeline did not meet standards, a ballast design, options to mitigate air pipeline hydraulics, conceptual connection to a floating pump station, and a probable construction cost estimate. The content of the proposal also required a summary of qualifications, proposed technical approach, schedule, and estimated time to complete.

Staff reviewed the two proposals and recommended Makai Ocean Engineering, Inc. to perform the Lake Cachuma conveyance operations feasibility study. Makai Ocean Engineering has extensive state-of-the-art experience in marine installation of HDPE. Makai also provided the feasibility study at a lower cost in addition to a detailed technical approach including potential innovative solutions.

Makai completed the feasibility study in 2019 and designs in 2020. Based on their performance on the feasibility study and engineering design of the project, COMB plans to continue the secured pipeline design investigation which includes reviewing the 2021 bathymetric survey data to determine if the

results of the new survey would impact/change the current designs. In addition, the scope of work includes reviewing and confirming the ideal maximum elevation range to economically install the Secured Pipeline Project without substantially altering the existing design. Makai will also provide engineering estimates and information on current costs and lead times for key components of the project (HPDE pipeline, intake screen, and concrete ballast structures) due to the current volatility of the manufacturing environment. In addition Makai will prepare final construction documents and provide bid-phase support services that will consist of preparation of the bid documents, solicitation of the bid, communicating with contractors, conducting a pre-bid meeting and bidder's conference tour of the lake, and evaluating contractor submissions.

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

The consequences of not approving the contract with Makai Ocean Engineering, Inc. would be an increase in costs and delay in effecting designs in preparation for the construction documents and bid phase of the project.

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

The original request for proposal for the feasibility study was competitively bid. The prevailing engineering firm, Makai Ocean Engineering, Inc. performed extremely successful on the feasibility study and project designs. By approving a contract for the additional engineering design support and bid-phase services, COMB is able to obtain engineering consistency, limit risk and costs for this critically important design work.

**RESTRICTED CONTRACTOR JUSTIFICATION (NON COMPETITIVE BID)**

**A. PRICE ANALYSIS**

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

COMB requested an engineering design support quotation from Makai Ocean Engineering, Inc. based on their former competitive proposal. Makai's hourly rate has been verified to be highly competitive with other engineering firms. In addition, staff compared the costs for each line item in the proposal to previous approved engineering firms offering similar support tasks and was deemed to be fair and reasonable. COMB requested Makai provide known services at a firm fixed price which is approximately one half the contract amount (\$39,250) and requested time and materials support for additional services if needed.

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

By continuing to utilize this engineering firm who was priced much lower than the competition for the feasibility study, COMB would continue to cost effectively complete this critically important project. Makai Ocean Engineering, Inc. has proven to be organized, highly skilled, and extremely competent to perform the continued effort on the design and bid for the secured pipeline project.



# CACHUMA OPERATION & MAINTENANCE BOARD

## MEMORANDUM

Date:	October 25, 2021
Submitted by:	Janet Gingras

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**SUBJECT:**      **Mobile Office Building Replacement – Contract Addendum**

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**RECOMMENDATION:**

The Board of Directors receive information on the proposed purchase and installation of one mobile office building and approve and authorize the General Manager to execute a contract addendum with Atlas Performance, Inc. (API) in an amount not to exceed \$104,000.

**SUMMARY:**

The COMB Reception/Administration mobile office has been analyzed more closely with the recent installation of the adjacent new mobile office buildings. Severe rotting has been discovered on the roof (roof replacement necessary) and exterior walls. This building has long outlived its life expectancy and will soon become a personnel safety issue due to the extent of deterioration. The costs to remodel the existing building to bring it up to functional standards would total approximately 40% of the cost of a new building.

The Infrastructure Improvement Plan, approved by the COMB Board in February 2020, categorizes this project as Priority 3 – Addresses Critical Deficiency.

Staff received a quotation from the manufacturer of our previously manufactured mobile offices, Atlas Performance, Inc. (API) in an amount not-to-exceed \$104,000. The quotation includes the design, manufacturing and installation of one mobile office totaling 480 square feet. The proposed mobile office building features would be scoped as nominal with standard factory finishes. The mobile office would be manufactured off-site and installed in the same location as the current mobile office resides in Lauro yard.

The COMB approved operating budget for fiscal year 2021-22 contains funding for the project. Staff recommends engaging API to begin designs in preparation for the manufacture and installation of the mobile office building.

**FISCAL IMPACTS:**

For Fiscal Year 2021-22, the COMB adopted operating budget contains funds necessary for the purchase, manufacture and installation of the mobile office building.

**COMMITTEE STATUS:**

The Operations Committee receive information on the proposed purchase and installation of one mobile office building and forward to the Board with a recommendation to approve and authorize the General Manager to execute a contract addendum with Atlas Performance, Inc. (API) in an amount not to exceed \$104,000.

**LIST OF EXHIBITS:**

N/A

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# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 25, 2021
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

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**SUBJECT: Proposed Purchase of Advanced Monitoring Equipment**

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**RECOMMENDATION:**

The Board of Directors receive information on the purchase of advanced monitoring equipment to be used in a feasibility study conducted by the Fisheries Division and approve the proposed expenditures as presented in the staff memorandum.

**SUMMARY:**

California Department of Fish and Wildlife (CDFW), under permit from the National Marine Fisheries Service (NMFS), has PIT (Passive Integrated Transponders) tagged multiple fish (*Oncorhynchus mykiss*, *O. mykiss*) in the Lower Santa Ynez River (LSYR) basin in association with fish rescues conducted in the late spring of 2021. The tagged fish were released into Salsipuedes Creek and into the LSYR mainstem just downstream of the Long Pool near the Hilton Creek confluence. To track those fish and any subsequently tagged fish by California Department of Fish and Wildlife (CDFW), a PIT tag monitoring operation is needed during the migration season (January through May). PIT tagging is recognized and approved by NMFS and CDFW as an advanced technology and is now commonly used to address questions of fish movement patterns, survivorship, growth rates, life history strategies, food webs, etc.. It has the distinct advantage that once the fish is tagged, there is not a need to recapture the fish to obtain the needed data. This effort would be done in parallel with the ongoing migrant trapping effort.

PIT tags are small radio frequency unique identification tags that are inserted into the body cavity of a fish which transmit an alphanumeric code as the organism passes through an electro-magnetic field emitted by a detection antenna. Passive means the transponder (PIT) tag does not require a battery. The tags are very small and if inserted correctly pose little threat to the fish, their swimming ability, and longevity. The transponder derives its power from a larger power coil (antenna) which excites the coil inside the transponder in the organism as it passes through the antenna field, providing enough energy to power the circuit to turn on and broadcast its unique identification information that is then associated with a date and time. The antenna is connected to a reader (computer with data-logger) that records the identity of the tag and the date-time it passed the antenna. Their small size, biocompatibility, and frequency in which they transmit information makes them ideal for identification and tracking wildlife, including fish, birds, reptiles, or mammals. The use of PIT tags implanted into juvenile and adult *O. mykiss* is a core monitoring element that is being considered in the monitoring program requested in Term 26 of State Water Resources Control Board Order WR-2019-0148.

This feasibility study addresses the initial equipment needed to conduct a PIT tag monitoring operation within Hilton Creek to track previously and future tagged *O. mykiss*. Paired detection antennas (two are needed to determine fish movement direction in a configuration of swim over or through) would be installed in the creek with connection cables to a computer with a data-logger, batteries, solar powering system, and a lock box at (referred to as a full setup PIT tag monitoring station) (Exhibit 1). The objectives of the proposed monitoring effort are:

- Monitor movement of *O. mykiss* within the LSYR basin which would include anadromous fish from the ocean and resident fish within the watershed to document the migration timing, abundance, survival rate, and age distribution.
- Estimate *O. mykiss* outmigrant smolt and returning adult migration rates that could be correlated with environmental factors.

- Evaluate and document the effectiveness of required regulatory target flow releases from Lake Cachuma to the LSYR to benefit the downstream fishery by facilitating fish movement and survival.

PIT tagging of individual fish has been and would be conducted by CDFW under their NMFS permit and would be done in the LSYR basin in collaboration with Reclamation and COMB-FD in association with fish rescues and possibly migrant trapping. Grant funding was solicited from the National Fish and Wildlife Foundation (NFWF) to fund part of this initial year but the request was denied. A senior NFWF administrator determined that PIT tag monitoring is associated with a required monitoring program as set forth in the 2000 Cachuma Project Biological Opinion and WR 2019-0148, although we clearly explained that PIT tag monitoring is not a mandatory method. NFWF does not fund required monitoring programs.

Staff proposes to initiate a PIT tag monitoring operation over several years. The first year would be a feasibility study to learn about the technology and the advantage of the data gathered. This initial year would require obtaining 1) a hand held reader and an external antenna that would be used in association with ongoing migrant trapping and bank surveys utilizing a wand mounted external antenna, and 2) a full setup PIT tag monitoring station for lower Hilton Creek (15 foot). During the second and third year of the operation, we propose to expand the monitoring effort by installing a full setup PIT tag monitoring station at lower Salsipuedes Creek (30 foot) and the LSYR mainstem (60 foot) in the Lompoc Plain near the lagoon, respectively. The initial year allows for learning about the equipment, installation, maintenance, and methods for data analyses. With that gained technical knowledge, the other two sites will be easier to construct, operate, and maintain albeit larger and more complicated.

PIT tag monitoring operations and the associated analyses will be ongoing as it has become a common practice across the Distinct Population Segment (DPS) for Southern California Steelhead where monitoring is being conducted. There are other PIT tagging operations in central and southern California where strays have the potential to migrate into the Santa Ynez River basin. The number of LSYR basin PIT tagged *O. mykiss* will increase with the forthcoming migration trapping season (through a potential CDFW collaboration) and dry season when fish may need to be rescued due to drying habitats. Hence, the PIT tagging operation will become more robust, comprehensive, and valuable with each subsequent year. This initial year will provide an important opportunity to learn the technology and methodologies as the number of PIT tagged fish in the LSYR basin increases over time.

Staff contacted coordinators and consultant practitioners of various PIT tag monitoring programs, and conducted a cost comparison from the three leading vendors. The results suggested using West Form Environmental to supply the needed equipment and assist with the assemblage, installation, and technical advice. Table 1 provides a summary of estimated costs for a three year program. Currently, staff only seeks approval of the first year of expenditures for the feasibility study of this advanced technology to monitor movement of *O. mykiss*. After evaluation of the results of the Feasibility Study during this initial year, staff will return to the Board with an updated proposal for the second two years.

Throughout our history of collaboration with USBR on the BiOp required monitoring in the LSYR basin, it has been important to stay out in front of any regulatory agencies that might have interest in conducting the required monitoring. This allows for consistent, professional, and reliable data and control of how public funds are spent. The monitoring effort has been heavily invested by COMB and CCRB over the past 15 years and has proven to be well worth what we have accomplished in studying and maintaining the fishery as well as obtaining all the grant funding procured by COMB staff (over \$8.4 million since 2005) for stream and habitat restoration projects. If we don't continue to advance our technological methodologies, there could be a strong possibility that we would have another entity imposed on us who might take over part or all of this program, at which point we would lose local control of the data gathering, database analyses and management, and all the associated costs and fiduciary responsibility associated with this program of work.

**Table 1:** Estimated PIT Tag monitoring program costs over the next three years.

Fiscal Year:	FY2021-22	FY2022-23	FY2023-24
<b>Handheld Devices</b>			
Biomark HPR Plus hand reader	\$3,200		
BiomarkBP Plus-wand antenna for mobile sampling	\$1,750		
<b>Hilton Creek</b>			
Full setup for a 15 foot antenna system*	\$18,977		
<b>Salsipuedes Creek</b>			
Full setup for a 30 foot antenna system*		\$37,305	
<b>LYSR Mainstem (60 foot) - full setup</b>			
Full setup for a 60 foot antenna system*			\$65,464
<b>Engineering Oversight / Technical Support</b>			
Engineering and technical oversight (West Fork), site visits	\$7,000	\$3,000	\$3,000
<b>TOOTAL**:</b>	<b>\$30,927</b>	<b>\$40,305</b>	<b>\$68,464</b>
* Full setup includes: antennas, cables, reader/data-logger, lock-box, batteries, and solar power system.			
** Quoted costs are West Form Environmental from September 2021.			

**FINANCIAL IMPACT:**

The initial year for the feasibility study would require purchasing the listed handheld devices and full setup for the Hilton Creek site, plus possible engineering oversight / technical support from the selected vendor. Funding for both items would come from the current COMB Budget (FY 2021-22), specifically the handheld devices would come from Materials and Supplies, and the full setup for Hilton Creek and technical support from BO/FMP Implementation. No additional funds or budget adjustments would be needed.

**LEGAL CONCURRENCE:**

Legal Counsel will review any documentation as needed.

**ENVIRONMENTAL COMPLIANCE:**

No permits are required to conduct the proposed PIT Tag monitoring effort. PIT tagging of individual fish will be done by CDFW under their permit with NMFS.

**LIST OF EXHIBITS:**



**Exhibit 1:** Examples of PIT tagging operations: (a) 30 foot swim over, (b) 15 foot swim over, and (c) swim through.

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Mission Statement:

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

October 25, 2021

## General Manager Report

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

### Administration

- **COVID 19 - Brown Act and Public Meetings**

On March 17, 2020, California Governor Gavin Newsom issued Executive Order N-29-20 (amending Executive Order N-25-20 in part) as part of a series of emergency measures in response to the novel COVID-19 pandemic. Executive Order N-29-20 allowed local or state legislative bodies to hold meetings via video and teleconference and to make meetings accessible electronically to the public without violating the open meeting laws.

The Governor issued Executive Order N-08-21 on June 11, 2021, establishing an end date to the previous order. Barring any new legislation, all public agencies would be required to return to full Brown Act compliance, holding in-person meetings and providing for public in-person attendance and participation as of September 30, 2021.

On September 16, 2021, Governor Newsom signed legislation, **Assembly Bill 361** (AB 361), which allows public agencies to meet remotely, during a declared state of emergency, including when state or local officials have imposed or recommended measures to promote social distancing, or when meeting in person would present imminent risks to the health or safety of attendees.

On September 21, 2021, Governor Newsom issued Executive Order N-15-21 suspending the application of the provisions of AB 361 until October 1. This Executive Order reaffirms that until September 30, local agencies may conduct open and public remote meetings relying on the authority provided under prior Executive Orders N-25-20, N-29-20, and N-35-20, issued in response to the COVID-19 pandemic. However, beginning on and after October 1, all meetings of special district boards and other local agencies must be conducted under standard Brown Act provisions (i.e., meeting in-person or teleconferencing and adhering to the requirements of subdivision (b) of California Government Code section 54953 as they existed pre-pandemic), or be conducted under newly enacted provisions of AB 361 to conduct a remote teleconference meeting without adhering to the standard requirements of paragraph (3) of subdivision (b) of 54953.

AB 361 allows the following:

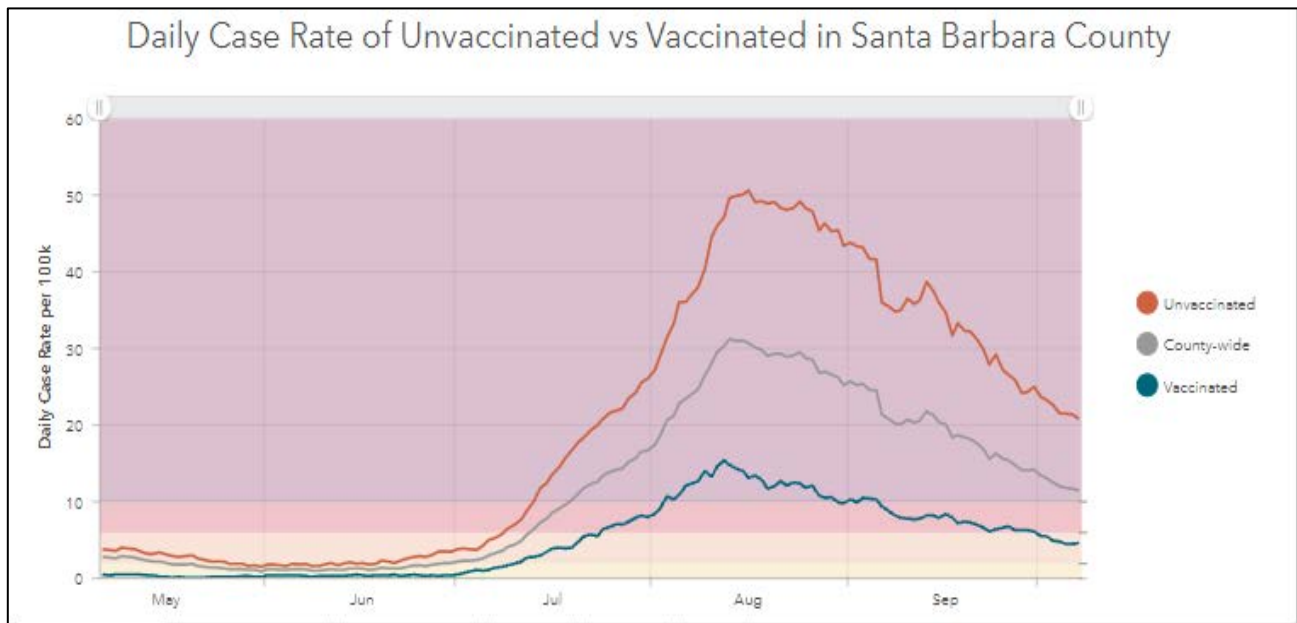
- While maintaining transparency and public access, local agencies would be able to meet remotely during a declared state of emergency
- While agencies would still be required to post agendas and meeting information, agencies would not be required to post meeting notices and/or agendas at all teleconference locations when remotely meeting during an emergency
- While the public must continue to have access to the remote meeting and provided the ability to make public comment, agencies would not be required to make all remote meeting sites accessible to the public, nor include the remote location details in the meeting notice or agenda during a declared state of emergency
- Additionally, agency board members would not be required to be at remote sites within the territorial bounds of the agency during a declared state of emergency

**Justification for continuing to hold virtual public meetings:**

1. On March 4, 2020, Governor Gavin Newsom declared a statewide emergency to exist over the COVID-19 pandemic. The State of California remains in a declared emergency status. <sup>(1)</sup>
2. Santa Barbara County Public Health issued Health Officials AB 361 Social Distance Recommendation on September 28, 2021 stating that utilizing teleconferencing options for public meetings is an effective and recommended social distancing measure to facilitate participation in public affairs and encourage participants to protect themselves and others from COVID-19 disease. <sup>(2)</sup>
3. Santa Barbara County's Health Order dated October 5, 2021 follows the California Department of Public Health guidance which mandates everyone 2 years and older must wear a mask in all public indoor settings, regardless of vaccination status and recommends other safety measures, such as ventilation, physical distancing and hand washing/sanitizing. <sup>(3)</sup>

**COVID-19 Statistics**

1. The COVID-19 pandemic continues to be a significant challenge in California. The threat of infection in Santa Barbara County is relatively high. As of October 7, 2021:
  - Santa Barbara County's current daily case rate per 100K (county-wide) is 11.5. <sup>(4)</sup>
  - Santa Barbara County's current daily case rate per 100K (unvaccinated individuals) is 20.8. <sup>(4)</sup>
  - Santa Barbara County's current daily case rate per 100K (vaccinated individuals) is 4.6. <sup>(4)</sup>
    - To compare, under the previous tier system in effect in Santa Barbara County, the highest purple tier (widespread) was defined as daily case rate per 100K of 7 or greater.



Source: Santa Barbara County Public Health Department

- Santa Barbara County's test positivity rate is 2.6% (as of October 14, 2021). <sup>(4)</sup>
- Santa Barbara County has 262 active COVID-19 cases, with 35 hospitalized. <sup>(4)</sup>
- Total Cases to-date in Santa Barbara County is 43,449 with 516 deaths. <sup>(4)</sup>

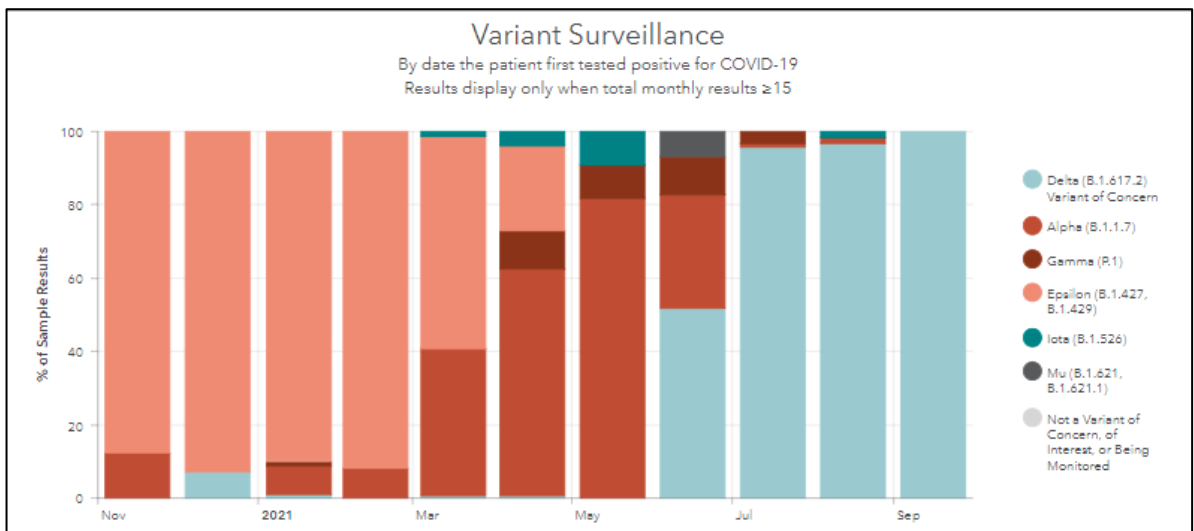


October 18, 2021 Updated M-F except holidays	
<b>New Cases 39</b> ↓ -37% from 2 week avg of 62	<b>New Deaths 0</b> ↓ -100% from 2 week avg of 1
<b>Active Cases 262</b> ↓ -22% from 2 week avg of 336	<b>Hospitalized 35</b> ↓ -10% from 2 week avg of 39
Total Cases <b>43,449</b>	Total Deaths <b>516</b>
Case Rate per 100k as of October 14, 2021 <b>8.2</b>	Test Positivity as of October 14, 2021 <b>2.6%</b>

Source: Santa Barbara County Public Health Department

- The Delta variant is highly contagious, may cause more severe illness and carries a larger viral load. It is now the most common cause of infection.
  - Nationwide, the Delta variant is the cause of 99.3-99.7% (updated October 16, 2021) <sup>(5)</sup>
  - In California, the Delta variant is the cause of 99.8% of infections (updated October 21, 2021) <sup>(6)</sup>

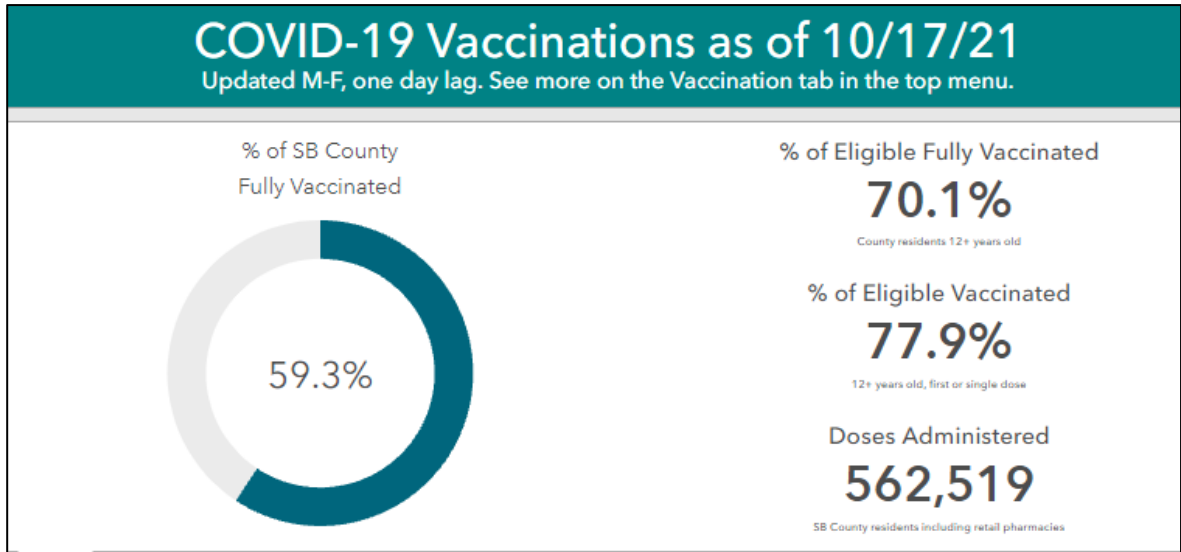
**Variant Surveillance - Santa Barbara County <sup>(4)</sup>**



Source: Santa Barbara County Public Health Department

- Both vaccinated and unvaccinated can contract and spread the virus.
  - In California, 71.5% of those eligible (≥ 12 years of age) are fully vaccinated (as of 10/19/21). <sup>(7)</sup>

- In SB County 70.1% of those eligible ( $\geq 12$  years of age) are fully vaccinated while only 59.3% of the total population is fully vaccinated. <sup>(4)</sup>



Source: Santa Barbara County Public Health Department

Source:

- (1) Office of Governor Gavin Newsome website, Proclamation of State of Emergency  
<https://www.gov.ca.gov/wp-content/uploads/2020/03/3.4.20-Coronavirus-SOE-Proclamation.pdf>
- (2) Santa Barbara County Public Health Department, Health Officer Orders  
[https://publichealthsb.org/wp-content/uploads/2021/09/Print\\_Job080820210928145328.pdf](https://publichealthsb.org/wp-content/uploads/2021/09/Print_Job080820210928145328.pdf)
- (3) Santa Barbara County Public Health Department, Health Officer Orders  
<https://publichealthsb.org/wp-content/uploads/2021/10/Health-Officer-Order-No.-2021-10.5-Signed-1.pdf>
- (4) Santa Barbara County Public Health Department, Santa Barbara County Community Data Dashboard,  
<https://experience.arcgis.com/experience/030e625c69a04378b2756de161f82ef6>
- (5) Centers for Disease Control and Prevention, Nowcast model  
<https://covid.cdc.gov/covid-data-tracker/#variant-proportions>
- (6) California Department of Public Health, Tracking Variants  
<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/COVID-Variants.aspx>
- (7) COVID19.CA.GOV, Vaccinated Status by Group  
<https://covid19.ca.gov/vaccination-progress-data/#progress-by-group>

- **Alisal Fire (AF) Update**

On October 11, 2021 at 2:07pm, the Santa Barbara County Sheriff’s Department dispatch received notification of a vegetation fire (named Alisal Fire) in the Refugio area west of the City of Goleta. Fire crews reported moderate to rapid fire spread aided by strong winds and heading south toward the coast. The blustery conditions forced all aircraft crews assigned to the fire to remain grounded for several days due to unsafe flying conditions. As weather conditions improved, firefighting aircraft was able to respond to the fire on Friday, October 15<sup>th</sup> and utilized water from Lake Cachuma. According to the Santa Barbara County Fire Public Information Officer, the incident commander verified that protocols are in place and firefighting aircraft are treated for prevention of quagga mussel transmission prior to and after deployment.

- **Contracts Executed by the General Manager – 1<sup>st</sup> Quarter Fiscal Year 2021-2022**

Pursuant to the COMB Procurement Policy adopted by the Board, a quarterly report of all contracts executed by the General Manager for the period of July 1, 2021 through September 30, 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. Section 3(C) also provides that purchases of supplies, equipment, and non-professional services greater than \$5,000 and less than \$25,000, requires a minimum of two prices quotes be obtained and that the General Manager has authority to select and approve the vendor which meets the best interests of the Agency. Staff adheres to the Board adopted policy for the procurement of all goods and services.

Table 1 below lists all contracts executed by the General Manager for the period July 1, 2021 through September 30, 2021, sorted by execution date.

Table 1					
Contracts Executed by General Manager					
July 1, 2021 through September 30, 2021					
Vendor Name	Contract Description	Board Approved	Date Executed	Date Expires	Contract Amount
Kenneth A. Knight Consulting, LLC	Oak Tree Program & Fisheries Support	06/28/2021	07/20/2021	06/30/2022	\$5,000
HDR Engineering, Inc.	Fisheries Management Assistance	06/28/2021	08/10/2021	06/30/2022	\$20,100
Advanced Cabling, Inc.	Network Cable Installation - COMB Building Replacement Project	N/A	07/14/2021	10/30/2021	\$11,802

Virtual Meetings

- **Santa Barbara County Office of Emergency Management (OEM) Meetings**

On October 6, 2021, COMB staff participated in the Santa Barbara County Operational Area (OA) Emergency Managers Committee meeting. The OA partners received a presentation from Santa Barbara County OEM regarding the 2021 Great California Shake-Out Day which is scheduled for Thursday, October 21 at 10:21am. The Foodbank of Santa Barbara County has opened participation to their annual Shake-Out drill to the OA partner agencies. The OA Partners also received an update on two projects underway by the Santa Barbara County OEM staff. The first project is the Santa Barbara OA Disaster Care and Shelter Plan project. The plan will organize how care and shelter services are coordinated and provided to the public during an emergency. The second project is the Interim Extreme Heat Response Plan project which identifies responsible entities and describes actions to be taken when excessive heat notifications are issued by the National Weather Service.

Respectfully Submitted,

*Janet Gingras*

General Manager

# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** October 25, 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.

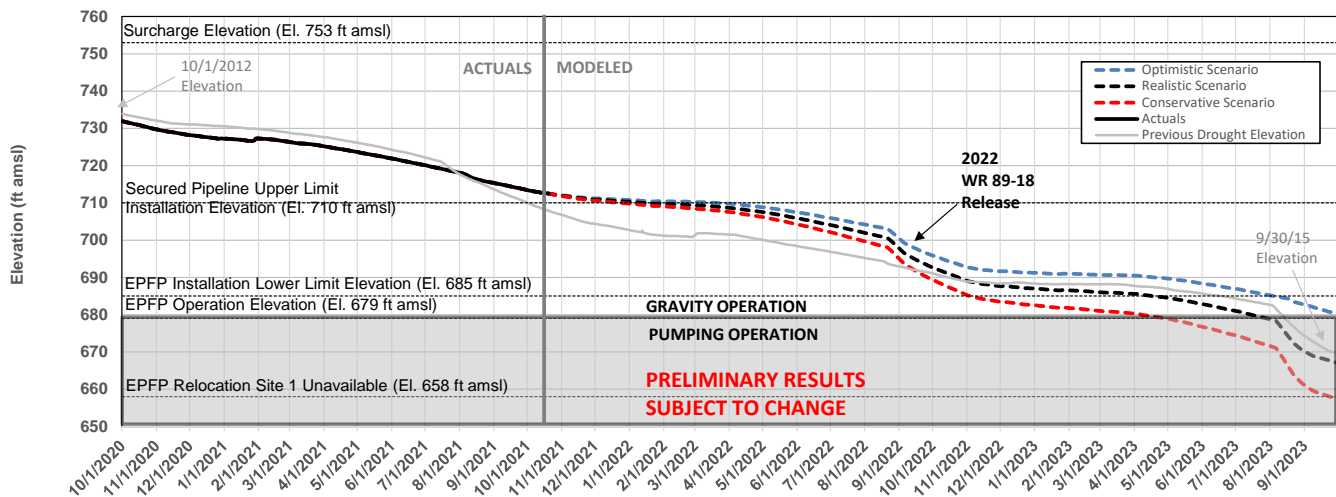
### CLIMATE CONDITIONS

The U.S. Drought Monitor classification for the South Coast of Santa Barbara County continues to be categorized as extreme with the majority of the State of California in exceptional drought (as of 10/12/21). According to the National Weather Service Climate Prediction Center, La Nina conditions have developed and are expected to continue with an 87% change of La Nina December 2021 to February 2022. The new 2021-22 water year began on October 1<sup>st</sup>, 2021. Bradbury Dam has received 0.13 inches of rainfall thus far in the new water year. The antecedent moisture index in the upper watershed is dry (11.9) at Gibraltar Dam.

### LAKE ELEVATION PROJECTION

Lake Cachuma is currently at 48.5% capacity (712.47' in elevation and 93,796 acre-feet in storage as of 10/20/21). U.S Bureau of Reclamation notified the Cachuma Member Units in September that the Water Year 2021-22 allocation is 70 percent of the maximum contract total, which equals 18,000 acre-feet. COMB requested updated import-export projections from the Member Agencies in September based on the approved 2021-22 allocation. Santa Ynez River Water Conservation District plans to complete the downstream water rights release at the end of October for a total release of approximately 4,800 AF. Figure 1 provides the lake elevation projection if dry conditions continue. These modeling projections utilize hydrology from water year 2012-2013.

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)	5,000 AF	6,000 AF	7,000 AF
WR 89-18 Release (2022)	12,000 AF	12,000 AF	12,000 AF

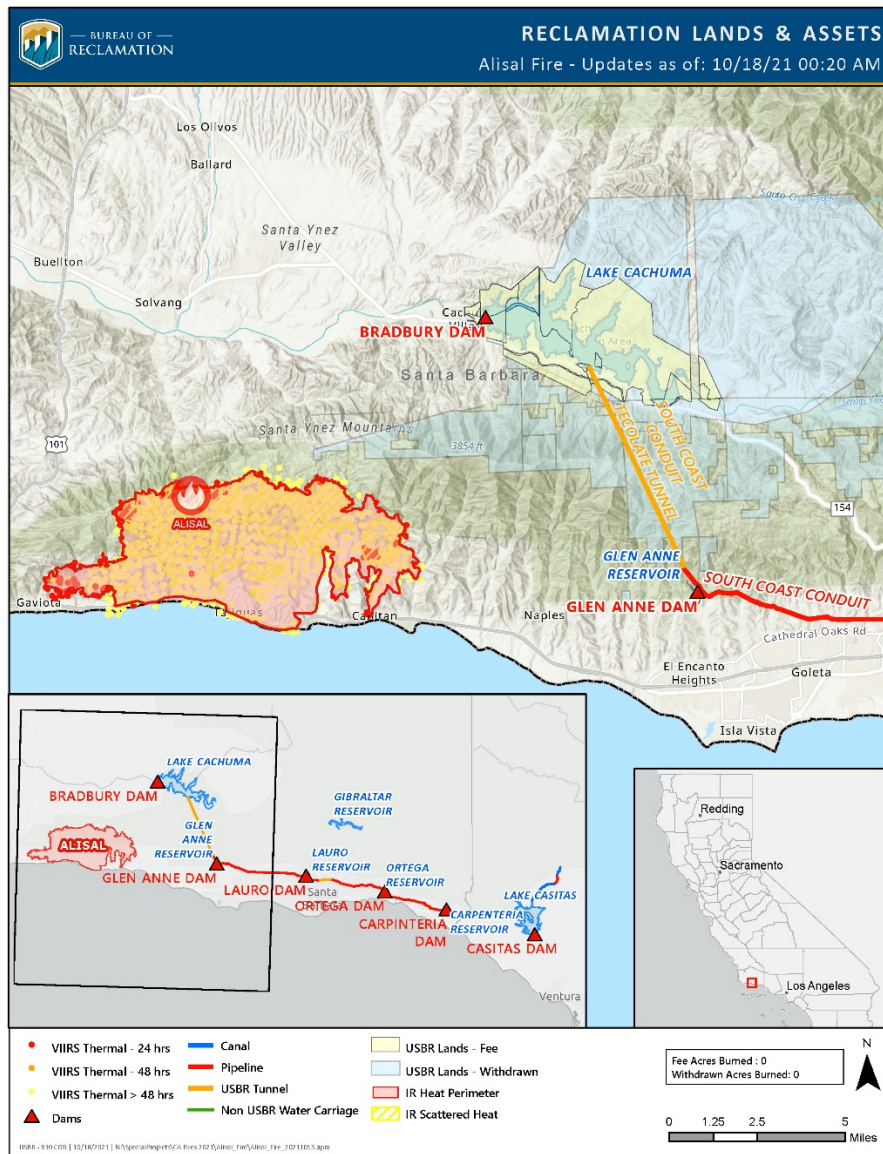


**Figure 1. Projected Lake Cachuma Elevation assuming Continued Dry Conditions**

If dry conditions continue, the Secured Pipeline Project could be installed in the Summer of 2022 as early as April or May 2022. Based on the current projections, if the Secured Pipeline Project is not installed, then the previous system with the temporary floating pipeline would need to be installed in November 2022 in the conservative scenario. However, operation would not be required until May of 2023. A wet winter in 2022-23 could result in the early removal of the temporary system at a sunk cost loss of approximately \$2 million dollars. Whereas the installation of the Secured Pipeline (currently estimated at \$2.8 million dollars) would be a longer term improvement and allow the pumping barge installation to be delayed through the winter of 2022-23. Based on the projected lake elevation conditions, the construction of the Secured Pipeline Project would nearly be offset by the temporary potential lost costs in the first year following construction with additional water quality benefits of allowing the drafting of deeper, colder better quality water at the Gate 5 elevation 660'-664'.

**ALISAL FIRE**

The Alisal Fire started at October 11<sup>th</sup> near Alisal Reservoir in the Santa Ynez Mountains. COMB and Reclamation staff closely tracked the spread of the wildfire. Figure 2 was prepared by Reclamation and shows the wildfire perimeter compared to the Cachuma Project assets. The wildfire perimeter is mostly outside of the Santa Ynez River watershed and did not impact Reclamation assets. Lake Cachuma was used as one of the water sources for the firefighting aircraft. As of 10/20/21, the wildfire perimeter is 97 percent contained.



**Figure 2. Alisal Fire Perimeter in relation to Cachuma Project Land and Assets (Source: Reclamation)**

## **INFRASTRUCTURE IMPROVEMENT PROJECTS**

Table 1 provides a summary of the status of Fiscal Year 2021-22 projects.

**Table 1. Fiscal Year 2021-2022 Infrastructure Improvement Projects**

<b>Infrastructure Improvement Projects</b>	<b>Status / Phase</b>	<b>Complexity / Challenges</b>	<b>Estimated Completion Date</b>
<b>Infrastructure Improvement Projects</b>			
SCADA System	COMB entered into a contract with Aspect Engineering to replace the six remaining legacy PLCs. PLCs 2,3,4,5 and 6 have been replaced. PLC 9 remains to be replaced and it will be completed in collaboration with CVWD PLC work.	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	Existing modular offices were removed by Peter Lapidus Construction. New modular offices have been installed by API. All utilities have been installed. COMB operations staff is re-constructed the walkway, ramp, and stairs between the offices. COMB received a quote from API to replace the Reception Building which under board review.	COMB Admin and Fisheries modular offices will be replaced in-kind to limit complexity and challenges of construction.	Completed
SCC Structure Rehabilitation : AVAR/BO Valves	Eight structures remain to be rehabilitated. COMB staff visited the remaining structures with Cushman Contracting and requested pricing for planned work for FY 2021-22 based on the previous schedules of work completed for the AVAR-BO Rehabilitation.	The remaining structures to be rehabilitated are the most difficult access-wise (with several in Highway 192) and difficult shutdowns to schedule in the Carpinteria area.	Shutdowns need to be coordinated with Reclamation and CVWD. Construction is planned for February/March.
SCC Line Valves for Shutdown	Bids were received for the La Mirada Line Valve Project in September 2021. COMB has received Caltrans permit and Reclamation MP-620 approval for the project.	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 (Nov 2021 to Jan 2022).
SCC Structure Rehabilitation : Lower Reach Laterals	COMB/CVWD have reviewed the updated designs and final designs are being prepared. Bid documents will likely be released at the end of September.	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.
<b>Special Projects</b>			
Emergency Pumping Facility - Secured Pipeline Project	For the existing EPFP 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. COMB has requested proposal for bid-phase engineering services.	The elevation of the lake The lake elevation is projected to remain above 685' until the Fall 2022. Installation of the EPFP is needed when the elevation is projected to fall below 685'. The Secured Pipeline Project could be installed in the Spring/Summer of 2022 if dry conditions continue	Construction could occur in Summer of 2022 depending on lake elevations.
Watershed Sanitary Survey Update	Geosyntec completed the final survey report and submitted it to the Division of Drinking Water on October 1, 2021.	The update is a collaborative effort with COMB's member agencies, Santa Ynez, and the City of Lompoc.	Completed
Lake Cachuma Water Quality and Sediment Management Study	The Study was completed in August 2020. Phase 2 recommendations planned for this year include the Secured Pipeline Project (see above), phosphorous/TOC source study, and bathymetric survey. COMB staff has prepared a draft REP for the Phase 2 phosphorous/TOC source study. An updated bathymetric survey is currently being conducted by MNS Engineers through Santa Barbara County Water Agency.	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.	A focused phosphorous and TOC sourcing study by COMB and bathymetric survey through the County is planned for FY 2021/2022

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## CACHUMA OPERATION AND MAINTENANCE BOARD

**DATE:** October 25, 2021  
**TO:** Janet Gingras, General Manager  
**FROM:** Shane King, Operations Supervisor  
**RE:** **MONTHLY REPORT OF OPERATIONS – September 2021**

The total flow from Lake Cachuma into the Tecolote Tunnel for September was 2,394.7 acre-feet, for an average daily flow of 79.82 acre-feet. Lake elevation was 715.32 feet at the beginning of September and 713.48 feet at the end of September. Lake storage decreased by 3,667 acre-feet. There was 568.2 acre-feet of inflow from CCWA into Cachuma Project facilities this month. The City of Santa Barbara wheeled 46.05 acre-feet of water from the Gibraltar Penstock through Lauro Reservoir. The Hilton Creek Watering System was utilized and delivered 92.3 acre-feet of water to Hilton Creek for the month of September.

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

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

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

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

- Staff has been on site monitoring several ongoing projects throughout the area, working closely with the construction and engineering contractors to ensure that:
  - Pipeline easements and the right-of-way remain accessible to Operations staff for possible emergencies and ongoing facility maintenance
  - All projects are following the COMB and USBR approved plans
  - No damage occurs to the SCC during the construction process

### **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 74 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:**

- Operations staff is in the process of building an ADA ramp up to the raised deck between the mobile offices. Staff began applying an outdoor primer coating to seal and protect the wood rails and decking. (see updated photos)
- Operations division is continuing to work through the annual structure maintenance program. This work includes visiting all Air vent, Blow off, and turnout structures for maintenance and valve exercising. A total of 38 structures were visited this month, completing the upper reach section of the South Coast Conduit. (see photos)
- The fish screens for the intake tower slide gates were pulled, cleaned and inspected. During this process, the slide gates were greased and exercised.
- Staff monitored an excavation project at Carona Del Mar water treatment plant. The project included installing a new water line that crossed over the South Coast Conduit. The new buried water lines were installed at a depth of four feet, the SCC is roughly eight feet in depth at this location. (see photos)
- Weed abatement was completed around the Lauro reservoir fence line and access roads within the Lauro reservoir boundary.
- Staff monitored an excavation project within the SCC easement located on La Patera ranch. This project included the installation of two new water lines, two communication conduits, and adding soil to approximately ½ an acre area over the conduit and located within the SCC easement. The soil addition was a benefit to the SCC due to its shallow depth within this location.

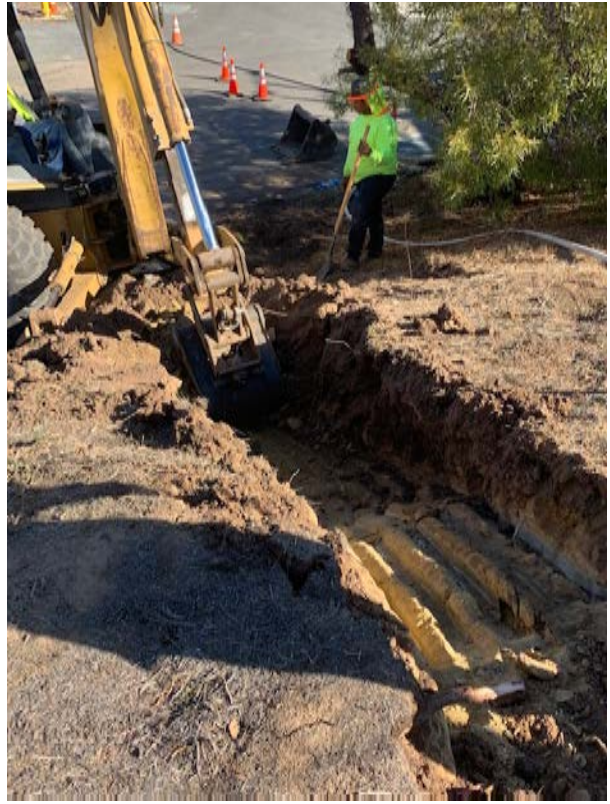
*Updated ADA Ramp*



*Upper Reach Structure Maintenance*



**Water line install at Carona Del Mar WTP**



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

**DATE:** October 25, 2021  
**TO:** Janet Gingras, General Manager  
**FROM:** Tim Robinson, Fisheries Division Manager  
**RE: MONTHLY FISHERIES DIVISION REPORT**

**HIGHLIGHTS:**

- USBR is delivering 2000 Biological Opinion (BiOp) target flows to Hilton Creek by gravity through the Hilton Creek Emergency Backup System (HCEBS) at approximately 1.3 cfs as of 10/20/21 to the Upper Release Point (URP) and Lower Release Point (LRP), which is sustaining the *O. mykiss* population in the creek. Currently, the lake is too low for gravity flow delivery through the Hilton Creek Watering System (HCWS). BiOp compliance releases to Hilton Creek are a minimum of 2 cfs. USBR and NMFS have discussed the current conditions.
- The 2000 BiOp and Order WR 2019-0148 target flows to the Hwy 154 Bridge (2.5 cfs) are being met by USBR for a Critically Dry water year through releases from Hilton Creek and the Outlet Works to the Lower Santa Ynez River (LSYR) mainstem and conjunctive use with the ongoing WR 89-18 release.
- 2021 WR 89-18 releases started on 8/2/21 with a slow ramp up to the maximum release of 92 cfs on 8/8/21. The release currently is slowly ramping down with an end date estimated by the middle of the last week of October.
- USBR completed repairs to the HCEBS floating pipeline across the Stilling Basin on 9/30/21 that increased flows to Hilton Creek by 0.5 cfs.

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:**

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

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

profiles are being taken monthly throughout the year and are reported in the Annual Monitoring Summary.

**Snorkel surveys:** Snorkel surveys for *O. mykiss* and non-native fish are conducted two times a year (spring and fall). The Spring Snorkel Survey was completed in June. The Fall Snorkel Survey is under way and will be completed after the end of the 2021 WR 89-18 release. The results are presented in the annual monitoring report.

**Monitoring Target Flows:** Monitoring for the required 2000 BiOp and WR 2019-0148 target flows are conducted by USGS and USBR for Hilton Creek, and COMB-FD and USBR for the LSYR at the Hwy 154 Bridge. The minimum target flow of 2 cfs to Hilton Creek is not currently being met with HCEBS gravity flow to the URP and LRP, with a release rate of approximately 1.5 cfs. USBR is reluctant to run any level of pumps to deliver water to the creek given past operational issues and recent power outages at Bradbury Dam. There is still sufficient discharge at the URP to sustain the fishery from there to the LRP as well as down to the confluence of the creek with the LSYR mainstem. The upper reach will become more of a concern as lake levels drop during the rest of the dry season. USBR has discussed the situation with NMFS and it was agreed to continue with gravity flow instead of going to pumps which have proven multiple times to be problematic in sustaining the Hilton Creek fishery.

Documenting compliance in meeting target flows at the Hwy 154 Bridge (2.5 cfs) cannot be done at that specific location due to the channel configuration and landowner access limitations. USBR established a low-flow river discharge monitoring location approximately 1 mile downstream of the Hwy 154 Bridge where access is available. USBR has been taking a discharge measurement approximately once a month and the COMB-FD staff are taking a discharge measurement once a week; we also maintain a pressure transducer at that location to record river stage every 15 minutes. This is part of a compliance measure within WR 2019-0148, specifically the Plan required in Term 18 and Term 25. The objective is to maintain a river discharge at that monitoring location of 2.5 cfs or greater (at the current lake elevation) which follows Reclamations established operational protocols for meeting required target flows at the Hwy 154 Bridge upstream. The objective was challenging to meet at all times in May, June, and July due to many factors influencing streamflow between the release point at Bradbury Dam and the monitoring location (i.e., weather changes, varying riparian corridor vegetation and substrate composition, land use practices, alluvial groundwater extraction, etc.). Reclamation is operating within acceptable discharge parameters given the challenging factors and access barriers. The current WR 89-18 release far exceeds target flow requirements at the Hwy 154 Bridge. COMB-FD continues to take weekly flow measurements at these higher flows during the WR 89-18 release as requested by USBR.

**WR 89-18 Release Monitoring:** BiOp required monitoring for the WR 89-18 releases (RPM 6) started prior to the release as requested by USBR and will continue until after the releases are stopped. WR 89-18 releases are conducted by the Santa Ynez River Water Conservation District in collaboration with USBR. The 2021 WR 89-18 release began on 8/2/21 with a slow ramp up over several days to a maximum release rate of approximately 92 cfs on 8/8/21 from the Outlet Works plus Hilton Creek releases through the HCEBS. Since peak flow, the release has been ramped down, was at equilibrium flow for over a month and is now being slowly ramped down with an estimated end by the middle of the last week of October. This is an Above Narrows Account (ANA) release with the target extent of the release approximately 8 miles downstream of the Avenue of the Flags Bridge in Buellton within the Cadwell sub-reach. The release volume so far is well less than projected by the Parent District at the beginning of the release. During WR 89-18 releases, all releases from Bradbury Dam (Outlet

Works and to Hilton Creek) are debited to the water rights release account due to conjunctive use as agreed to within the Settlement Agreement.

### **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 HCEBS by gravity flow to the URP and LRP.

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. USBR successfully replaced two malfunctioning valves associated with the HCEBS on 5/12/21.

On 6/8/21, USBR activated the HCEBS on gravity flow to the URP. For a time, both the HCWS and HCEBS provided gravity flow to the URP. As the lake level dropped, more water came from the HCEBS until the HCWS stopped flowing water approximately at the end of July. Now all release water to Hilton Creek comes through the HCEBS by gravity flow to the URP and LRP.

After observing water leaking out of the HCEBS flowing pipeline, USBR on 9/30/21 tightened the flanges on several pipe segment connections and the leaking appeared to stop. By doing so, an increase of about 0.5 cfs was observed in Hilton Creek.

### **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 USBR.

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

<b>Accounts*</b>	<b>Allocation</b>	<b>Amount Used**</b>	<b>Amount Remaining</b>
<b>Units:</b>	<b>(acre-feet)</b>	<b>(acre-feet)</b>	<b>(acre-feet)</b>
<b>Fish Passage Supplementation</b>			
<b>WY2019</b>	3,200	3,307	-107
<b>WY2020</b>	0	2,558	-2,558
<b>Adaptive Management</b>	500	149	351
<b>Fish Rearing***</b>	8,684	8,684	0
<b>Unallocated Project Water</b>		24,350	
<b>Total:</b>	9,184	39,048	-2,314
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 9/30/21.			
*** 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 and WR 2019-0148 required Plans.

Staff has started working on the WY2021 Annual Monitoring Report/Summary.

**Outreach and Training:** Outreach continues with Lower Santa Ynez River landowners (specifically in the Quiota Creek and Salsipuedes Creek watersheds), interested parties within the Santa Ynez Valley, and the County on a variety of fisheries related issues. Staff Senior Resources Scientist gave a presentation on Watershed Sciences to a middle school class from the Knox School in Santa Barbara in October.

**Consultant Activity Summary:**

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

**Kenneth A. Knight Consulting** (Ken Knight) – no work was conducted during this past month.



# CACHUMA OPERATION & MAINTENANCE BOARD

## BOARD MEMORANDUM

Date:	October 25, 2021
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

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

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**RECOMMENDATION:**

For Board information only.

**SUMMARY:**

***Maintenance***

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since October, 2020 to the present (12/1/20 – 10/25/21, 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 2020 Annual Report with the annual inventory and Fiscal Year 2020-21 financials was completed and reviewed by the Lake Cachuma Oak Tree Committee on 9/2/21 and provided to the COMB Board on 9/27/21 that recommended going forward with planting another 300 oak trees and replacing 80 dead oak trees during the wet season of this water year.

***Annual Inventory and Report***

Analyzing the data and developing the draft 2020 Annual Report has been completed. The Annual Report was presented to the COMB Board on 9/27/21. The Board approved the Committee's recommendations as stated above. Staff is currently looking for planting locations and getting permission for this coming planting effort.

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

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

<sup>1</sup> Oak tree inventory.

Watering crews completed another round of irrigation on the Year 11 trees at the end of September. The Year 10 trees were irrigated starting at the beginning of October and completed two weeks later.

The Fisheries Division is in the process of watering the Year 9 trees located at the Santa Barbara County Park and will be completed by the end of the month.

This is the time of the season when Coast Live Oak and Valley Oak acorns are ripened and ready for harvest. Teams are collecting acorns from mature trees in the Santa Ynez Valley as they make their irrigation rounds.

**LIST OF EXHIBITS:**

No Exhibits.

# CACHUMA DAILY OPERATIONS

Month & Year: October 2021

Time of Observations: 0830

Evaporation Pan Factor: 75%

Day	Beginning Storage: 95,720			Surface Area acres	Rainfall		Evaporation		CCWA Inflow acre-feet	Releases					Computed Inflow acre-feet		
	Elevation	Storage	Change		inches	acre-feet	inches	acre-feet		Park Diversion	South Coast	Hilton Creek	WR 89-18	Outlet		Spillway	
	ft	acre-feet	acre-feet														
1	713.41	95,586	(134)	1,914	-		0.300	35.9	1.2		90.3	2.8	36.0	-	-	29.8	
2	713.32	95,414	(172)	1,911	-		0.270	32.3	12.5		89.9	2.7	34.0	-	-	(25.6)	
3	713.26	95,300	(114)	1,910	-		0.340	40.6	12.5		86.7	2.7	34.0	-	-	37.5	
4	713.21	95,204	(96)	1,908	-		0.370	44.1	12.5		78.7	2.7	33.0	-	-	50.0	
5	713.14	95,071	(133)	1,906	0.02	3.2	0.270	32.2	12.5		74.0	2.7	31.0	-	-	(8.8)	
6	713.09	94,956	(115)	1,905	-		0.220	26.2	23.6		72.5	2.7	31.0	-	-	(6.2)	
7	713.04	94,880	(76)	1,903	-		0.180	21.4	23.6		72.8	2.7	30.0	-	-	27.3	
8	713.00	94,804	(76)	1,902	0.08	12.7	0.090	10.7	23.6		57.8	2.7	30.0	-	-	(11.1)	
9	712.96	94,727	(77)	1,901	-		0.140	16.6	23.6		57.2	2.7	28.0	-	-	3.9	
10	712.93	94,670	(57)	1,900	-		0.060	7.1	23.6		46.9	2.8	28.0	-	-	4.2	
11	712.89	94,594	(76)	1,899	-		0.320	38.0	23.7		46.1	2.6	28.0	-	-	15.0	
12	712.81	94,441	(153)	1,897	-		0.230	27.3	23.6		53.4	2.7	25.0	-	-	(68.2)	
13	712.76	94,345	(96)	1,896	-		0.160	19.0	23.7		55.1	2.7	26.0	-	-	(16.9)	
14	712.73	94,288	(57)	1,895	-		0.140	16.6	23.7		54.6	2.7	24.0	-	-	17.2	
15	712.69	94,212	(76)	1,894	-		0.160	18.9	23.7		56.4	2.7	25.0	-	-	3.3	
16	712.66	94,155	(57)	1,893	-		0.260	30.8	23.7		54.5	2.6	22.0	-	-	29.2	
17	712.61	94,059	(96)	1,891	-		0.280	33.1	23.6		55.5	2.7	22.0	-	-	(6.3)	
18	712.57	93,984	(75)	1,890	0.08	12.6	0.170	20.1	23.7		64.1	2.7	23.0	-	-	(1.4)	
19	712.52	93,890	(94)	1,889	-		0.150	17.7	23.7		71.1	2.7	19.0	-	-	(7.2)	
20	712.47	93,796	(94)	1,888	-		0.100	11.8	22.8		73.7	2.6	20.0	-	-	(8.7)	
21	712.43	93,721	(75)	1,887	-		0.140	16.5	22.5		76.0	2.7	19.0	-	-	16.7	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
<b>TOTALS</b>			<b>(1,999)</b>		0.18	28.5	4.350	516.8		427.6	-	1,387.3	56.6	568.0	-	-	73.7

Park Usage

Rain

Yr. Total



**Santa Barbara County Parks Division,  
Cachuma Lake Recreation Area  
Summary of Aquatic Invasive Species Vessel Inspection Program  
and Early Detection Monitoring Program: September 2021**



<b>Cachuma Lake Recreation Area Launch Data -- September 2021</b>		
<b>Inspection Data</b>		
Total Vessels Entering Park	532	
Total Vessels Launched	511	
Total Vessels Quarantined	21	
Returning (Tagged) Boats Launched	375	73%
Kayak/Canoe: Inspected, launched	136	27%
4-stroke Engines	*	
2-strokes, w/CARB star ratings	*	
2-strokes, NO emissions ratings	*	
<b>Quarantine Data</b>		
Total Vessels Quarantined	21	
Quarantined 14 days	*	
Quarantined 30 days	21	
<b>Quarantine Cause</b>		
Water on vessel*	*	
Debris on hull*	*	
Plug installed*	*	
From infected county	8	
Ballast tanks*	*	
Boat longer than 24 feet*	*	
Out-of-state	0	
Unspecified*	*	
Mandatory Quarantine All Untagged Boats	21	
<b>Demographic Data</b>		
Quarantined from infected county	8	
Quarantined from SB County	13	
Quarantined from uninfected co	0	

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

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

\* These conditions are no longer being tracked.

**EARLY DETECTION MONITORING PROGRAM SUMMARY**

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

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

Inspection Date and Time: 2021.09.30; 10 a.m. to 12 p.m. PDT.

Method: 5 Sampling Stations; 30 meters/98.4 linear feet of line.

Surveyors: COSB, Parks Division Staff (Naturalist Rosey Bishop, Camp Host Robert Fratrack).

Lake elevation: Max feet: 753.00, current 713.88.; Max acre-feet: 193,305, current: 96,489;

Current capacity: 49.9%