

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

**3301 Laurel Canyon Road
Santa Barbara, CA 93105**

Monday, July 25, 2016

2:00 P.M.

AGENDA

1. **CALL TO ORDER, ROLL CALL**
2. **INTRODUCTION OF NEW STAFF**
3. **PUBLIC COMMENT** (Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction. See "Notice to the Public" below. Please make your comments from the podium once acknowledged by the President of the Board.)
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 June 2, 2016 Special Board Meeting
Minutes June 15, 2016 Special Board Meeting
Minutes June 27, 2016 Regular Board Meeting
 - b. Investment of Funds
 - Financial Reports
 - Investment Reports
 - c. Review of Paid Claims
 - d. Review of Pending Claims for Payment
5. **LOS PADRES NATIONAL FOREST SERVICE – FIRE PROTECTION PRESENTATION**
Receive information regarding fire protection practices
6. **VERBAL REPORTS FROM BOARD COMMITTEES**
Receive verbal information regarding the following committee meetings:
 - Operations Committee Meeting – July 14, 2016
 - Fisheries Committee Meeting – July 19, 2016
7. **BOARD COMMITTEE APPOINTMENTS FOR FISCAL YEAR 2016-17**
Action: Recommend the President of the Board make Committee appointments for FY 2016-17
 1. Administrative Committee
 2. Operations Committee
 3. Fisheries Committee
 4. Lake Cachuma Oak Tree Committee
 5. Public Outreach Committee

8. PROPOSED ANNUAL RESOLUTIONS

Action: Recommend approval by motion and roll call vote on one motion unless member requests separate consideration

- a. Resolution No. 614 Adopting Annual Statement of Investment Policy
- b. Resolution No. 615 Authorizing Investment of Monies in the Local Agency Investment Fund
- c. Resolution No. 616 Establishing a Supplemental Account Agreement for Telephone Transfers
- d. Resolution No. 617 Establishing a Check Signing Policy for General Fund Account Payment of Claims
- e. Resolution No. 618 Authorizing Signatories for General Fund Account at American Riviera Bank
- f. Resolution No. 619 Authorizing Signatories for Revolving Fund Account at American Riviera Bank
- g. Resolution No. 620 Establishing a Check Signing Policy for Cachuma Project Trust Fund and Master Contract Renewal Fund Accounts for Payment of Claims
- h. Resolution No. 621 Authorizing Signatories for Trust Fund and Renewal Fund Accounts at American Riviera Bank
- i. Resolution No. 622 Establishing a Time and Place for Board Meetings

9. SELECTION OF BARTLETT, PRINGLE & WOLF, LLP TO PERFORM FISCAL YEAR 2015-16 AUDIT

Action: Recommend approval by motion and roll call vote of the Board

10. SCOPES OF WORK FOR FISHERIES DIVISION CONSULTANTS FOR FISCAL YEAR 2016-17

Action: Recommend approval by motion and roll call vote of the Board

11. PURCHASE OF FLUIDIGM EQUIPMENT

Action: Recommend approval by motion and roll call vote of the Board

12. EMERGENCY PUMPING FACILITY PROJECT (EPFP)

Action: Recommend approval by motion and roll call vote of the Board

- Cushman Contracting Corporation Change Order Request
- HDR Engineering, Inc. Proposal: FY 2016-17 Project Engineering Services

13. GENERAL MANAGER REPORT

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

- Annual Cachuma Project Entitlement Request
- U.S. Bureau of Reclamation Compliance Review
- Cachuma Member Unit Managers Meeting
- Operations Division Activities
- Right of Way Program Update
- Fisheries Division Activities

14. OPERATIONS DIVISION REPORT

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

- Lake Cachuma Operations
- Operation and Maintenance Activities

15. FISHERIES DIVISION REPORT

Receive information regarding Fisheries Division, including but not limited to the following:

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

16. 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

17. MONTHLY CACHUMA PROJECT REPORTS

Receive information regarding the Cachuma Project, including but not limited to the following:

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

18. DIRECTORS' REQUESTS FOR AGENDA ITEMS FOR FUTURE MEETING

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

- a. [Government Code Section 54956.9(d)(1)]
Name of Case: Arnold Edmund Keir Nash and Marguerite Bouraad Nash v. COMB,
Santa Barbara County Superior Court
Case No., 15 CV-00499
- b. [Government Code Section 54956.9(d)(1)]
Name of Case: Randy F. Ondracek and Victoria K. Ondracek v. COMB, Santa
Barbara County Superior Court
Case No., 15 CV-00500

20. RECONVENE INTO OPEN SESSION

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

[Government Code Section 54957.1]

- a. Arnold Edmund Keir Nash and Marguerite Bouraad Nash v. COMB Matter
- b. Randy F. Ondracek and Victoria K. Ondracek v. COMB Matter

21. MEETING SCHEDULE

- **August 22, 2016 at 2:00 P.M., COMB Office**
- **Board Packages Available on COMB Website**
www.cachuma-board.org

22. COMB ADJOURNMENT

NOTICE TO PUBLIC

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

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

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

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

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

**MINUTES OF A SPECIAL MEETING
of the
CACHUMA OPERATION & MAINTENANCE BOARD**

**held at
3301 Laurel Canyon Road, Santa Barbara, CA
Thursday, June 2, 2016**

1. Call to Order, Roll Call

The meeting was called to order at 2:01 p.m. by President Doug Morgan, who chaired the meeting. Those in attendance were:

Directors present:

Doug Morgan	Montecito Water District
Harwood "Bendy" White	City of Santa Barbara
Polly Holcombe	Carpinteria Valley Water District
Lauren Hanson	Goleta Water District

Others Present:

Janet Gingras
William Carter
Amy Smith

2. Public Comment

There was no public comment.

3. [Closed Session]: Conference with Legal Counsel: Existing and Potential Litigation

The Board went into closed session at 2:02 p.m.

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

4. Reconvene Into Open Session

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

The Board came out of closed session at 4:00 p.m.

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

There was no reportable action.

5. Meeting Schedule

- The next Special Board meeting will be held June 15, 2016 at 10:00 a.m.
- The next Regular Board meeting will be held June 27, 2016 at 2:00 p.m.
- The Agendas and Board Packets are available on the COMB Website at www.cachuma-board.org.

6. COMB Adjournment

There being no further business, the meeting was adjourned at 4:00 p.m.

Respectfully submitted,

Janet Gingras, Secretary to the Board

APPROVED:

Doug Morgan, President of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

**MINUTES OF A SPECIAL MEETING
of the
CACHUMA OPERATION & MAINTENANCE BOARD**

**held at
3301 Laurel Canyon Road, Santa Barbara, CA
Wednesday, June 15, 2016**

1. Call to Order, Roll Call

The meeting was called to order at 10:01 a.m. by President Doug Morgan, who chaired the meeting. Those in attendance were:

Directors present:

Doug Morgan	Montecito Water District
Harwood "Bendy" White	City of Santa Barbara
Polly Holcombe	Carpinteria Valley Water District
Lauren Hanson	Goleta Water District

Others Present:

Janet Gingras	Amy Smith
Tim Robinson	Adelle Capponi
Dave Stewart	William Carter
Charles Hamilton	

2. Public Comment

There was no public comment.

3. [Closed Session]: Conference with Legal Counsel: Existing and Potential Litigation

The Board went into closed session at 10:03 a.m.

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

4. Reconvene Into Open Session

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

The Board came out of closed session at 10:52 a.m.

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

There was no reportable action.

5. USBR Request for Purchase of Water Tanks

Ms. Janet Gingras, General Manager, briefed the Board on a U.S. Bureau of Reclamation (Reclamation) request that, due to potential delays in Reclamations procurement process, COMB assist in the acquisition of two water tanks for the delivery of refreshing flows to Hilton Creek. Ms. Gingras added that the request had since been rescinded, and that COMB is “standing-by” until further notice as Reclamation attempts to procure the tanks through the Federal procurement process.

Subsequent to lengthy discussion, Director White moved that upon receipt of an additional, official written request for assistance, COMB respond favorably by offering a cash donation through the Federal Contribution Fund in an amount not-to-exceed \$20,000. Within the administrative process of contributing the funds, COMB would clarify its position on funding Hilton Creek costs specifically as a one-time donation. Seconded by Director Holcombe, the motion carried 6/0/1 as follows:

Ayes: White, Holcombe, Hanson, Morgan

Nays: None

Absent/Abstain: Walsh

A secondary motion was then presented by Director Hanson, who moved that should such a donation be made, the necessary funds be transferred from the COMB Fisheries Account to an administrative account created specifically for donations to the Federal Contribution Fund. Seconded by Director Holcombe, the motion carried 6/0/1 as follows:

Ayes: White, Holcombe, Hanson, Morgan

Nays: None

Absent/Abstain: Walsh

6. COMB Proposed Draft Fiscal Year 2016-17 Operating Budget

Ms. Gingras presented in detail the COMB Proposed Draft Fiscal Year 2016-17 Operating Budget and associated five-year improvement plans, as included in the board packet, and offered to field any questions from the Board. Following brief discussion, Director Holcombe moved to approve the Fiscal Year 2016-17 Operating Budget, as presented. Seconded by Director Holcombe, the motion carried 6/0/1 as follows:

Ayes: White, Holcombe, Hanson, Morgan

Nays: None

Absent/Abstain: Walsh

7. Meeting Schedule

- The next Regular Board meeting will be held June 27, 2016 at 2:00 p.m.
- The Agendas and Board Packets are available on the COMB Website at www.cachuma-board.org.

8. COMB Adjournment

There being no further business, the meeting was adjourned at 12:17 p.m.

Respectfully submitted,

Janet Gingras, Secretary to the Board

APPROVED:

Doug Morgan, President of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

**MINUTES OF A REGULAR MEETING
of the
CACHUMA OPERATION & MAINTENANCE BOARD**

**held at
3301 Laurel Canyon Road, Santa Barbara, CA
Monday, June 27, 2016**

1. Call to Order, Roll Call

The meeting was called to order at 2:01 p.m. by President Doug Morgan who chaired the meeting. Those in attendance were:

Directors present:

Doug Morgan	Montecito Water District
Harwood "Bendy" White	City of Santa Barbara
Polly Holcombe	Carpinteria Valley Water District
Lauren Hanson	Goleta Water District

Others present:

Janet Gingras	Amy Smith
Dave Stewart	Phil Walker
William Carter	Fray Crease
Dale Francisco	Sam Schaefer
Bob McDonald	Joshua Haggmark
Pearl Schaefer	Sandra Livelsberger

2. Public Comment

Phil Walker expressed his concern regarding the La Niña weather conditions that are becoming readily apparent. The associated supercharging of hot air, coupled with the region's notorious Santa Ana winds, poses substantial fire risk in the coming months.

3. Consent Agenda

a. Minutes

May 23, 2016 Regular Board Meeting

b. Investment Funds

Financial Reports
Investment Reports

c. Review of Paid Claims

d. Review of Pending Claims for Payment

Director Hanson moved to approve the consent agenda. Seconded by Director Holcombe, the motion carried 6/0/1 as follows:

Ayes: White, Holcombe, Hanson, Morgan

Nays: None

Absent/Abstain: Walsh

4. Verbal Reports from Board Committees

- *Administrative Committee Meeting – May 26, 2016:* Ms. Janet Gingras, General Manager, advised the Board that the sole item for consideration on the Administrative Committee meeting's agenda was the COMB Fiscal Year 2016-17 Proposed Draft Operating Budget and Associated Materials, noting that it was forwarded to the Board, approved, and adopted on June 15, 2016, in accordance with the Committee's recommendation.
- *Operations Committee Meeting – June 24, 2016:* Ms. Gingras summarized the items on the Operations Committee meeting's agenda. Director White confirmed that the Operations Committee forwarded proposals for work on the Ortega Dam Underdrain Repair and the Lateral 3A Replacement Project to the Board with the recommendations to approve entering into contracts with the respective consultants.

5. Cachuma Project Trust Fund / Renewal Fund Meeting and County's Public Meeting on Cachuma Project Betterment Fund, May 11, 2016

- a. *Approval of Plan and Program Expenditure of Trust Fund for FY 2016-2017*
- b. *Approval of Program Expenditure of County Water Agency's Betterment Fund for FY 2016-2017*

Ms. Gingras outlined the nature of the inverse relationship between the Renewal Fund and Trust Fund, as well as the actions taken at the annual Cachuma Project Trust Fund / Renewal Fund Meeting and the County Public Meeting on the Cachuma Project Betterment Fund. Following Director White's suggestion to consider including fire protection in future years' use of the Betterment Fund, Director Holcombe moved to approve both recommendations 'a' and 'b,' as listed above. Seconded by Director Hanson, the motion carried 6/0/1 as follows:

Ayes: White, Holcombe, Hanson, Morgan

Nays: None

Absent/Abstain: Walsh

6. Fiscal Year 2016-17 Elections and Appointments of Cachuma Operation & Maintenance Board

a. *Election of President*

President Morgan stated he would be honored to serve again as Board President during the upcoming fiscal year. The following nominations were made: Director Hanson nominated Director White for the position. Director Holcombe nominated President Morgan to continue as Board President. Nominations closed, Director White seconded Director Holcombe's nomination, and President Morgan was re-elected Board President by the following 6/0/1 roll call vote:

Ayes: White, Holcombe, Hanson, Morgan

Nays: None

Absent/Abstain: Walsh

b. *Election of Vice-President*

Director Hanson nominated Director White for continued service as Board Vice-President. The nomination was seconded by Director Holcombe and, hearing no

other nominations, Director White was re-elected Vice-President of the Board by the following 6/0/1 roll call vote:

Ayes: White, Holcombe, Hanson, Morgan

Nayes: None

Absent/Abstain: Walsh

- c. *Appointment of ACWA/JPIA Representative and Alternate*
- d. *Appointment of General Counsel*
- e. *Appointment of Secretary of the Board*
- f. *Appointment of Treasurer and Auditor-Controller*

Director Holcombe moved to re-appoint the same ACWA/JPIA Representative and Alternate, General Counsel, Secretary of the Board, and Treasurer and Auditor-Controller that held those positions in Fiscal Year 2015-16, as presented in the board packet. Seconded by Director Hanson, the motion carried 6/0/1 as follows:

Ayes: White, Holcombe, Hanson, Morgan

Nayes: None

Absent/Abstain: Walsh

7. Ortega Dam Underdrain Repair

In accordance with the Operations Committee's recommendation, Director Holcombe moved to authorize the General Manager to enter into a Professional Services Agreement (PSA) with Peter Lapidus Construction, Inc. for an amount not-to-exceed \$35,000 for the repair of Ortega Reservoir's underdrain. Ms. Gingras clarified that the scope of work and cost of the repair cannot be fully defined until the cause of the leak is identified. Seconded by Director White, the motion carried 6/0/1 as follows:

Ayes: White, Holcombe, Hanson, Morgan

Nayes: None

Absent/Abstain: Walsh

8. Lateral 3A Replacement Project

In support of the Operations Committee's recommendation, Director Holcombe moved to authorize the General Manager to enter into a PSA with Flowers & Associates, Inc. in an amount not-to-exceed \$28,900 for engineering design services on the Lateral 3A Replacement project. Seconded by Director Hanson, the motion carried 6/0/1 as follows:

Ayes: White, Holcombe, Hanson, Morgan

Nayes: None

Absent/Abstain: Walsh

9. General Manager Report

- *ACWA/JPIA Risk Assessment*
- *Personnel*
- *Cachuma Member Unit Managers Meeting*

- *Operations Division Activities*
- *Fisheries Division Activities*

Ms. Janet Gingras, General Manager, highlighted topics within her report, as incorporated in the board packet, and invited any questions from the Board.

10. Operations Division Report

- *Lake Cachuma Operations*
- *Operation and Maintenance Activities*

Operations Division Manager, Mr. Dave Stewart, summarized the report as presented in the board packet and updated the Board on several operations projects underway. He advised the Board that the replacement Lauro Stop Valve had been ordered and that it will likely be installed this winter, rather than just after its mid-summer arrival, thus reducing the impacts of the related system shutdown.

11. Resolution No. 613 – Approving Expenditures for the Construction of the Fish Passage Improvement at Quiota Creek Crossing Number 4

Director Hanson proposed three modifications to the language of Resolution No. 613, and then moved to approve and adopt it, inclusive of the suggested revisions, which she provided to General Counsel at that time. Seconded by Director Holcombe, the motion carried 6/0/1 as follows:

Ayes: White, Holcombe, Hanson, Morgan

Nayes: None

Absent/Abstain: Walsh

12. Fisheries Division Report

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

Mr. Scott Engblom, Project Biologist, noted features of the report, as presented in the board packet, and offered to field any questions from the Board.

13. Progress Report on Lake Cachuma Oak Tree Program

- *Maintenance and Monitoring*

Mr. Engblom provided a concise update on the status of the program and noted that the recent use of an additional water tuck had been vastly beneficial to the program's efforts during this unprecedented drought. Director Hanson requested to receive an update on the County's plan to manage the risk of gold-spotted oak borer infestation in July's report.

14. Monthly Cachuma Project Reports

The reports were included in the board packet for information.

15. Directors' Requests for Agenda Items for Future Meeting

There were no requests for agenda items for a future meeting.

16. [Closed Session]: Conference with Legal Counsel: Existing and Potential Litigation

The Board went into closed session at 3:51 p.m.

- a. [Government Code Section 54956.9(d)(4)]
Protest of Member Agency re: Payment of Assessment for Certain Fisheries Related Activities

17. Reconvene Into Open Session

[Government Code Section 54957.7]

Disclosure of actions taken in closed session, as applicable

[Government Code Section 54957.1]

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

- b. Protest of Member Agency re: Payment of Assessment for Certain Fisheries Related Activities

There was no reportable action.

18. Meeting Schedule

- The next Regular Board meeting will be held July 25, 2016 at 2:00 p.m.
- The Agendas and Board Packets are available on the COMB website at www.cachuma-board.org

19. COMB Adjournment

There being no further business, the meeting was adjourned at 4:35 p.m.

Respectfully submitted,

Janet Gingras, Secretary of the Board

APPROVED:

Doug Morgan, President of the Board

	<i>Approved</i>
√	<i>Unapproved</i>

COMB
Statement of Net Assets
 As of June 30, 2016
 Fiscal Year End Unaudited Statement of Net Assets

ASSETS**Current Assets****Checking/Savings****TRUST FUNDS**

1210 · WARREN ACT TRUST FUND

374,807.07

1220 · RENEWAL FUND

10,215.61

Total TRUST FUNDS

385,022.68

1050 · GENERAL FUND

3,116,484.61

1100 · REVOLVING FUND

125,752.53

Total Checking/Savings

3,627,259.82

Other Current Assets

1010 · PETTY CASH

500.00

1200 · LAIF

10,111.35

1303 · Bradbury SOD Act Assmnts Rec

83,283.00

1304 · Lauro Dam SOD Assesmnt Rec

14,447.00

1400 · PREPAID INSURANCE

24,900.72

Total Other Current Assets

133,242.07

Total Current Assets

3,760,501.89

Fixed Assets

1500 · VEHICLES

409,581.12

1505 · OFFICE FURN & EQUIPMENT

432,634.46

1510 · MOBILE OFFICES

97,803.34

1515 · FIELD EQUIPMENT

542,025.24

1525 · PAVING

38,351.00

1550 · ACCUMULATED DEPRECIATION

-1,320,829.64

Total Fixed Assets

199,565.52

Other Assets

1910 · LT Bradbury SOD Act Assess Rec

5,250,759.07

1920 · LT Lauro SOD Act Assess Rec

940,342.00

1922 · Deferred Outflows of Resources (GASB 68)

136,562.00

Total Other Assets

6,327,663.07

TOTAL ASSETS**10,287,730.48**

COMB
Statement of Net Assets
 As of June 30, 2016
 Fiscal Year End Unaudited Statement of Net Assets

LIABILITIES & NET ASSETS**Liabilities****Current Liabilities****Accounts Payable**

2200 · ACCOUNTS PAYABLE

415,649.12

Total Accounts Payable415,649.12**Other Current Liabilities**

Payroll-DepPrm Admin

53.25

Payroll-DepPrm FD

31.86

Payroll-DepPrm Ops

679.77

2505 · ACCRUED WAGES

31,189.78

2550 · VACATION/SICK

142,912.32

2561 · BRADBURY DAM SOD ACT

83,283.66

2563 · LAURO DAM SOD ACT

14,447.00

2565 · ACCRUED INTEREST SOD ACT

87,008.00

2590 · DEFERRED REVENUE

385,097.13

Total Other Current Liabilities744,702.77**Total Current Liabilities**

1,160,351.89

Long Term Liabilities

2602 · LT SOD Act Liability-Bradbury

5,250,759.07

2603 · LT SOD Act Liability - Lauro

940,342.00

2604 · OPEB LT Liability

746,491.00

2605 · Loan Payable - EPFP

2,601,317.00

2610 · Net Pension Liability (GASB 68)

1,120,314.00

2611 · Deferred Inflows of Resources (GASB 68)

348,168.00

Total Long Term Liabilities11,007,391.07**Total Liabilities**

12,167,742.96

NET POSITION

3000 · Opening Bal Equity

-1,357,356.05

3901 · Retained Net Assets

-1,591,460.37

Net Income

1,068,803.94

Total Net Assets-1,880,012.48**TOTAL LIABILITIES & NET POSITION**10,287,730.48

Statement of Revenues and Expenditures

Budget vs. Actuals July 2015 - Jun 2016
Fiscal Year End Unaudited Statement of Revenues and Expenditures

	Fisheries			Operations			TOTAL		
	Jul '15 - Jun 16	Budget	% of Budget	Jul '15 - Jun 16	Budget	% of Budget	Jul '15 - Jun 16	Budget	% of Budget
Income									
3000 REVENUE									
3001 · O&M Budget (Qtrly Assessments)	808,653.00	1,099,077.00	73.58%	4,748,019.74	5,651,050.00	-903,030.26	5,556,672.74	6,750,127.00	-1,193,454.26
3006 · Warren Act	571,728.00	571,728.00	100.0%	0.00	0.00		571,728.00	571,728.00	0.00
3007 · Renewal Fund	0.00	0.00		0.00	0.00		0.00	0.00	0.00
3010 · Interest Income	0.00	0.00		2,306.98	0.00		2,306.98	0.00	2,306.98
3020 · Misc Income	26.25	1,956.03		1,956.03	0.00		1,982.28	0.00	1,982.28
3032 · Grant-QC Crossing #3	705,205.00	705,205.00	100.0%	0.00	0.00		705,205.00	705,205.00	0.00
3033 · Grant-QC Crossing # 0 (a&b)	0.00	0.00	0.0%	0.00	0.00		0.00	0.00	0.00
3035 · Cachuma Project Betterment Fund	90,000.00	90,000.00	100.0%	0.00	0.00		90,000.00	90,000.00	0.00
Total 3000 REVENUE	2,175,612.25	2,466,010.00	88.22%	4,752,282.75	5,651,050.00	-898,767.25	6,927,895.00	8,117,060.00	-1,189,165.00
Total Income	2,175,612.25	2,466,010.00	88.22%	4,752,282.75	5,651,050.00	-898,767.25	6,927,895.00	8,117,060.00	-1,189,165.00
Gross Profit	2,175,612.25	2,466,010.00	88.22%	4,752,282.75	5,651,050.00	-898,767.25	6,927,895.00	8,117,060.00	-1,189,165.00
Expense									
PAYROLL									
Gross	0.00	0.00		0.00	0.00		0.00	0.00	0.00
Gross-FD	0.00	0.00		0.00	0.00		0.00	0.00	0.00
Total PAYROLL	0.00	0.00		0.00	0.00		0.00	0.00	0.00
3100 · LABOR - OPERATIONS	0.00	815,197.00	74.42%	606,688.70	815,197.00	-208,508.30	606,688.70	815,197.00	-208,508.30
3200 VEH & EQUIPMENT	0.00	30,000.00	85.33%	25,599.32	30,000.00	-4,400.68	25,599.32	30,000.00	-4,400.68
3201 · Vehicle/Equip Mtrc	0.00	15,000.00	88.79%	13,318.75	15,000.00	-1,681.25	13,318.75	15,000.00	-1,681.25
3202 · Fixed Capital	0.00	5,000.00	41.36%	2,068.06	5,000.00	-2,931.94	2,068.06	5,000.00	-2,931.94
3203 · Equipment Rental	0.00	5,000.00	110.03%	5,501.65	5,000.00	501.65	5,501.65	5,000.00	501.65
3204 · Miscellaneous	0.00	55,000.00	84.52%	46,487.78	55,000.00	-8,512.22	46,487.78	55,000.00	-8,512.22
Total 3200 VEH & EQUIPMENT	0.00	95,000.00	84.52%	46,487.78	95,000.00	-48,512.22	46,487.78	95,000.00	-48,512.22
3300 · CONTRACT LABOR	0.00	20,000.00	26.03%	5,206.50	20,000.00	-14,793.50	5,206.50	20,000.00	-14,793.50
3301 · Conduit, Meter, Valve & Misc	0.00	20,000.00	8.38%	1,675.00	20,000.00	-18,325.00	1,675.00	20,000.00	-18,325.00
3302 · Buildings & Roads	0.00	30,000.00	7.52%	2,256.96	30,000.00	-27,743.04	2,256.96	30,000.00	-27,743.04
3303 · Reservoirs	0.00	25,000.00	65.8%	16,448.95	25,000.00	-8,551.05	16,448.95	25,000.00	-8,551.05
3304 · Engineering, Misc Services	0.00	95,000.00	26.93%	25,587.41	95,000.00	-69,412.59	25,587.41	95,000.00	-69,412.59
Total 3300 · CONTRACT LABOR	0.00	70,000.00	26.93%	25,587.41	70,000.00	-44,412.59	25,587.41	70,000.00	-44,412.59
3400 · MATERIALS & SUPPLIES	0.00	65,000.00	42.77%	27,801.47	65,000.00	-37,198.53	27,801.47	65,000.00	-37,198.53
3401 · Conduit, Meter, Valve & Misc	0.00	15,000.00	42.45%	6,367.97	15,000.00	-8,632.03	6,367.97	15,000.00	-8,632.03
3402 · Buildings & Roads	0.00	10,000.00	34.44%	3,444.29	10,000.00	-6,555.71	3,444.29	10,000.00	-6,555.71
3403 · Reservoirs	0.00	90,000.00	41.79%	37,613.73	90,000.00	-52,386.27	37,613.73	90,000.00	-52,386.27
Total 3400 · MATERIALS & SUPPLIES	0.00	165,000.00	41.79%	68,867.47	165,000.00	-96,132.53	68,867.47	165,000.00	-96,132.53
3500 · OTHER EXPENSES	0.00	7,000.00	101.03%	7,072.23	7,000.00	72.23	7,072.23	7,000.00	72.23
3501 · Utilities	0.00	5,000.00	66.21%	3,310.43	5,000.00	-1,689.57	3,310.43	5,000.00	-1,689.57
3502 · Uniforms	0.00	18,000.00	101.21%	18,218.09	18,000.00	218.09	18,218.09	18,000.00	218.09
3503 · Communications	0.00	4,000.00	37.8%	1,512.00	4,000.00	-2,488.00	1,512.00	4,000.00	-2,488.00
3504 · USA & Other Services	0.00	0.00		0.00	0.00		0.00	0.00	0.00

Statement of Revenues and Expenditures

Budget vs. Actuals July 2015 - Jun 2016
Fiscal Year End Unaudited Statement of Revenues and Expenditures

	Fisheries				Operations				TOTAL			
	Jul '15 - Jun 16	Budget	\$ Over Budget	% of Budget	Jul '15 - Jun 16	Budget	\$ Over Budget	% of Budget	Jul '15 - Jun 16	Budget	\$ Over Budget	% of Budget
3505 · Miscellaneous	0.00	8,000.00	1,022.92	112.79%	9,022.92	8,000.00	1,022.92	112.79%	9,022.92	8,000.00	1,022.92	112.79%
3506 · Training	0.00	3,000.00	-2,700.00	10.0%	300.00	3,000.00	-2,700.00	10.0%	300.00	3,000.00	-2,700.00	10.0%
Total 3500 · OTHER EXPENSES	0.00	45,000.00	-5,564.33	87.64%	39,435.67	45,000.00	-5,564.33	87.64%	39,435.67	45,000.00	-5,564.33	87.64%
4000 · Reconciliation Discrepancies	0.00				0.18				0.18	0.00	0.18	100.0%
4100 · LABOR - FISHERIES	556,155.00	549,994.00	6,161.00	101.12%	0.00				556,155.00	549,994.00	6,161.00	101.12%
4200 · VEHICLES & EQUIP - FISHERIES												
4270 · Vehicle/Equip Mtrc	15,653.81	13,000.00	2,653.81	120.41%	0.00				15,653.81	13,000.00	2,653.81	120.41%
4280 · Fixed Capital	12,745.11	15,000.00	-2,254.89	84.97%	0.00				12,745.11	15,000.00	-2,254.89	84.97%
4290 · Miscellaneous	1,188.70	2,500.00	-1,311.30	47.55%	0.00				1,188.70	2,500.00	-1,311.30	47.55%
Total 4200 · VEHICLES & EQUIP - FISHERIES	29,587.62	30,500.00	-912.38	97.01%	0.00				29,587.62	30,500.00	-912.38	97.01%
4220 · CONTRACT LABOR - FISHERIES												
4221 · Meters & Valves	0.00	3,000.00	-3,000.00	0.0%	0.00				0.00	3,000.00	-3,000.00	0.0%
4222 · Fish Projects Maintenance	16,628.07	40,000.00	-23,371.93	41.57%	0.00				16,628.07	40,000.00	-23,371.93	41.57%
Total 4220 · CONTRACT LABOR - FISHERIES	16,628.07	43,000.00	-26,371.93	38.67%	0.00				16,628.07	43,000.00	-26,371.93	38.67%
4300 · MATERIALS/SUPPLIES - FISHERIES												
4390 · Miscellaneous	3,924.29	7,000.00	-3,075.71	56.06%	0.00				3,924.29	7,000.00	-3,075.71	56.06%
Total 4300 · MATERIALS/SUPPLIES - FISHERIES	3,924.29	7,000.00	-3,075.71	56.06%	0.00				3,924.29	7,000.00	-3,075.71	56.06%
4500 · OTHER EXPENSES - FISHERIES												
4502 · Uniforms	1,615.08	2,500.00	-884.92	64.6%	0.00				1,615.08	2,500.00	-884.92	64.6%
Total 4500 · OTHER EXPENSES - FISHERIES	1,615.08	2,500.00	-884.92	64.6%	0.00				1,615.08	2,500.00	-884.92	64.6%
4999 · GENERAL & ADMINISTRATIVE												
5000 · Director Fees												
5001 · Director Mileage	0.00	2,000.00	-808.05	59.6%	1,191.95	2,000.00	-808.05	59.6%	1,191.95	2,000.00	-808.05	59.6%
5000 · Director Fees - Other	0.00	11,000.00	1,064.00	109.67%	12,064.00	11,000.00	1,064.00	109.67%	12,064.00	11,000.00	1,064.00	109.67%
Total 5000 · Director Fees	0.00	13,000.00	255.95	101.97%	13,255.95	13,000.00	255.95	101.97%	13,255.95	13,000.00	255.95	101.97%
5100 · Legal	0.00	100,000.00	-60,611.32	39.39%	39,388.68	100,000.00	-60,611.32	39.39%	39,388.68	100,000.00	-60,611.32	39.39%
5101-1 · Audit	0.00	20,000.00	-4,215.95	78.92%	15,784.05	20,000.00	-4,215.95	78.92%	15,784.05	20,000.00	-4,215.95	78.92%
5150 · Unemployment Tax	0.00	5,000.00	-4,712.17	5.76%	287.83	5,000.00	-4,712.17	5.76%	287.83	5,000.00	-4,712.17	5.76%
5200 · Liability Insurance	0.00	42,705.00	936.65	102.19%	43,641.65	42,705.00	936.65	102.19%	43,641.65	42,705.00	936.65	102.19%
5201 · Health & Workers Comp	0.00	180,093.00	-35,358.31	80.37%	144,734.69	180,093.00	-35,358.31	80.37%	144,734.69	180,093.00	-35,358.31	80.37%
5250 · PERS	0.00	58,420.00	-19,537.22	66.56%	38,882.78	58,420.00	-19,537.22	66.56%	38,882.78	58,420.00	-19,537.22	66.56%
5260 · Company FICA Admin	0.00	20,754.00	-8,135.96	60.8%	12,618.04	20,754.00	-8,135.96	60.8%	12,618.04	20,754.00	-8,135.96	60.8%
5265 · Company MCARE Admin	0.00	4,854.00	-1,490.77	69.29%	3,363.23	4,854.00	-1,490.77	69.29%	3,363.23	4,854.00	-1,490.77	69.29%
5300 · Manager Salary	0.00	100,750.00	-53,288.58	47.11%	47,461.42	100,750.00	-53,288.58	47.11%	47,461.42	100,750.00	-53,288.58	47.11%
5301 · Administrative Manager	0.00	87,750.00	-12,067.42	86.25%	75,682.58	87,750.00	-12,067.42	86.25%	75,682.58	87,750.00	-12,067.42	86.25%
5303 · Admin Assistant I	0.00	42,250.00	-3,401.68	91.95%	38,848.32	42,250.00	-3,401.68	91.95%	38,848.32	42,250.00	-3,401.68	91.95%
5306 · Administrative Assistant III	0.00	45,500.00	5,246.91	111.53%	50,746.91	45,500.00	5,246.91	111.53%	50,746.91	45,500.00	5,246.91	111.53%
5310 · Postage/Office Exp	0.00	8,000.00	-2,120.59	73.49%	5,879.41	8,000.00	-2,120.59	73.49%	5,879.41	8,000.00	-2,120.59	73.49%
5315 · Office Equip/Leases	0.00	8,000.00	156.95	101.96%	8,156.95	8,000.00	156.95	101.96%	8,156.95	8,000.00	156.95	101.96%
5330 · Misc Admin Expenses	0.00	10,790.00	-10.51	99.9%	10,779.49	10,790.00	-10.51	99.9%	10,779.49	10,790.00	-10.51	99.9%
5334 · Communications	0.00	8,500.00	-1,251.89	85.27%	7,248.11	8,500.00	-1,251.89	85.27%	7,248.11	8,500.00	-1,251.89	85.27%
5345 · Utilities	0.00	9,737.00	94.33	100.97%	9,831.33	9,737.00	94.33	100.97%	9,831.33	9,737.00	94.33	100.97%

Statement of Revenues and Expenditures

Budget vs. Actuals July 2015 - Jun 2016

Fiscal Year End Unaudited Statement of Revenues and Expenditures

	Fisheries				Operations				TOTAL			
	Jul '15 - Jun 16	Budget	\$ Over Budget	% of Budget	Jul '15 - Jun 16	Budget	\$ Over Budget	% of Budget	Jul '15 - Jun 16	Budget	\$ Over Budget	% of Budget
5315 · Membership Dues	0.00	7,908.00	-92.00	98.85%	7,908.00	8,000.00	-92.00	98.85%	7,908.00	8,000.00	-92.00	98.85%
5316 · Admin Fixed Assets	0.00	1,478.44	-2,521.56	36.96%	1,478.44	4,000.00	-2,521.56	36.96%	1,478.44	4,000.00	-2,521.56	36.96%
5318 · Computer Consultant	0.00	14,367.70	-632.30	95.79%	14,367.70	15,000.00	-632.30	95.79%	14,367.70	15,000.00	-632.30	95.79%
5321 · Administrative Consultant	0.00	16,228.56	-21.44	99.87%	16,228.56	16,250.00	-21.44	99.87%	16,228.56	16,250.00	-21.44	99.87%
5325 · Emp Training/Subscriptions	0.00	83.67	-1,916.33	4.18%	83.67	2,000.00	-1,916.33	4.18%	83.67	2,000.00	-1,916.33	4.18%
5330 · Admin Travel/Conferences	0.00	301.61	-1,698.39	15.08%	301.61	2,000.00	-1,698.39	15.08%	301.61	2,000.00	-1,698.39	15.08%
5331 · Public Information	0.00	331.67	-668.33	33.17%	331.67	1,000.00	-668.33	33.17%	331.67	1,000.00	-668.33	33.17%
5352 · Program Analyst	0.00	0.00	-42,250.00	0.0%	0.00	42,250.00	-42,250.00	0.0%	0.00	42,250.00	-42,250.00	0.0%
Total 4999 - GENERAL & ADMINISTRATIVE	0.00	607,291.07	-249,311.93	70.9%	607,291.07	856,603.00	-249,311.93	70.9%	607,291.07	856,603.00	-249,311.93	70.9%
5400 · GENERAL & ADMIN - FISHERIES												
5401 · Health & Workers Comp.	23,907.18	44,184.00	-20,276.82	54.11%	0.00	0.00	-20,276.82	54.11%	23,907.18	44,184.00	-20,276.82	54.11%
5402 · CalPERS	20,936.98	31,457.00	-10,520.02	66.56%	0.00	0.00	-10,520.02	66.56%	20,936.98	31,457.00	-10,520.02	66.56%
5403 · Company Fica	6,237.25	11,175.00	-4,937.75	55.81%	0.00	0.00	-4,937.75	55.81%	6,237.25	11,175.00	-4,937.75	55.81%
5405 · GM Salary	25,556.11	54,250.00	-28,693.89	47.11%	0.00	0.00	-28,693.89	47.11%	25,556.11	54,250.00	-28,693.89	47.11%
5406 · Company MCare	1,680.58	2,614.00	-933.42	64.29%	0.00	0.00	-933.42	64.29%	1,680.58	2,614.00	-933.42	64.29%
5407 · Legal - FD	53,325.20	25,000.00	28,325.20	213.3%	0.00	0.00	28,325.20	213.3%	53,325.20	25,000.00	28,325.20	213.3%
5408 · Administrative Manager	40,752.23	47,250.00	-6,497.77	86.25%	0.00	0.00	-6,497.77	86.25%	40,752.23	47,250.00	-6,497.77	86.25%
5409 · Administrative Assistant III	27,325.24	24,500.00	2,825.24	111.53%	0.00	0.00	2,825.24	111.53%	27,325.24	24,500.00	2,825.24	111.53%
5410 · Postage / Office Supplies	3,033.86	3,000.00	33.86	101.13%	0.00	0.00	33.86	101.13%	3,033.86	3,000.00	33.86	101.13%
5411 · Office Equipment / Leases	4,392.05	5,218.00	-825.95	84.17%	0.00	0.00	-825.95	84.17%	4,392.05	5,218.00	-825.95	84.17%
5412 · Misc. Admin Expense	5,150.00	5,810.00	-660.00	88.64%	0.00	0.00	-660.00	88.64%	5,150.00	5,810.00	-660.00	88.64%
5413 · Communications	4,509.59	4,305.00	204.59	104.75%	0.00	0.00	204.59	104.75%	4,509.59	4,305.00	204.59	104.75%
5414 · Utilities	5,293.59	5,243.00	50.59	100.97%	0.00	0.00	50.59	100.97%	5,293.59	5,243.00	50.59	100.97%
5415 · Membership Dues	4,122.00	4,000.00	122.00	103.05%	0.00	0.00	122.00	103.05%	4,122.00	4,000.00	122.00	103.05%
5416 · Admin Fixed Assets	1,017.96	4,000.00	-2,982.04	25.45%	0.00	0.00	-2,982.04	25.45%	1,017.96	4,000.00	-2,982.04	25.45%
5418 · Computer Consultant	7,778.54	5,000.00	2,778.54	155.57%	0.00	0.00	2,778.54	155.57%	7,778.54	5,000.00	2,778.54	155.57%
5421 · Administrative Consultant	8,738.46	8,750.00	-11.54	99.87%	0.00	0.00	-11.54	99.87%	8,738.46	8,750.00	-11.54	99.87%
5425 · Employee Education/Subscription	45.06	2,500.00	-2,454.94	1.8%	0.00	0.00	-2,454.94	1.8%	45.06	2,500.00	-2,454.94	1.8%
5426 · Director Fees	6,496.00	6,000.00	496.00	108.27%	0.00	0.00	496.00	108.27%	6,496.00	6,000.00	496.00	108.27%
5427 · Director Mileage	641.85	1,000.00	-358.15	64.19%	0.00	0.00	-358.15	64.19%	641.85	1,000.00	-358.15	64.19%
5430 · Travel	1,975.69	2,500.00	-524.31	79.03%	0.00	0.00	-524.31	79.03%	1,975.69	2,500.00	-524.31	79.03%
5431 · Public Information	1,178.60	1,500.00	-321.40	78.57%	0.00	0.00	-321.40	78.57%	1,178.60	1,500.00	-321.40	78.57%
5441 · Audit	8,460.95	6,300.00	2,160.95	134.3%	0.00	0.00	2,160.95	134.3%	8,460.95	6,300.00	2,160.95	134.3%
5443 · Liab & Property Ins	23,499.35	21,595.00	1,904.35	108.82%	0.00	0.00	1,904.35	108.82%	23,499.35	21,595.00	1,904.35	108.82%
5451 · Admin Assistant I	20,918.36	22,750.00	-1,831.64	91.95%	0.00	0.00	-1,831.64	91.95%	20,918.36	22,750.00	-1,831.64	91.95%
5452 · Program Analyst	0.00	22,750.00	-22,750.00	0.0%	0.00	0.00	-22,750.00	0.0%	0.00	22,750.00	-22,750.00	0.0%
Total 5400 - GENERAL & ADMIN - FISHERIES	306,972.68	372,651.00	-65,678.32	82.38%	0.00	372,651.00	-65,678.32	82.38%	306,972.68	372,651.00	-65,678.32	82.38%
5510 · Integrated Reg. Water Mgt Plan	0.00	4,006.00	-994.00	80.12%	4,006.00	5,000.00	-994.00	80.12%	4,006.00	5,000.00	-994.00	80.12%
6000 · SPECIAL PROJECTS												
6062 · SCADA	0.00	10,258.57	-14,741.43	41.03%	10,258.57	25,000.00	-14,741.43	41.03%	10,258.57	25,000.00	-14,741.43	41.03%
6090 · COMB Office Building	0.00	7,622.99	-282,377.01	2.63%	7,622.99	290,000.00	-282,377.01	2.63%	7,622.99	290,000.00	-282,377.01	2.63%
6096 · SCC Structure Rehabilitation	0.00	21,992.44	-218,007.56	9.16%	21,992.44	240,000.00	-218,007.56	9.16%	21,992.44	240,000.00	-218,007.56	9.16%
6096 · GIS and Mapping	0.00	7,057.00	-2,943.00	70.57%	7,057.00	10,000.00	-2,943.00	70.57%	7,057.00	10,000.00	-2,943.00	70.57%
6103 · Watershed Sanitary Survey	0.00	25,518.80	-28,481.20	47.26%	25,518.80	54,000.00	-28,481.20	47.26%	25,518.80	54,000.00	-28,481.20	47.26%
6105 · ROW Management Program	0.00	18,898.25	-1,101.75	94.49%	18,898.25	20,000.00	-1,101.75	94.49%	18,898.25	20,000.00	-1,101.75	94.49%
6105 · NP Jet Flow Control Valve	0.00	874.80	0.00	0.0%	874.80	0.00	874.80	0.0%	874.80	0.00	874.80	0.0%

Statement of Revenues and Expenditures

Budget vs. Actuals July 2015 - Jun 2016
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	Fisheries			Operations			TOTAL		
	Jul '15 - Jun 16	\$ Over Budget	% of Budget	Jul '15 - Jun 16	\$ Over Budget	% of Budget	Jul '15 - Jun 16	\$ Over Budget	% of Budget
6111 · Mission Crk Pipe Temp Repair	0.00			55,485.41	-4,514.59	92.48%	55,485.41	-4,514.59	92.48%
6118 · Repair Lateral 3 Structure	0.00			0.00	-20,000.00	0.0%	0.00	-20,000.00	0.0%
6120 · Emergency Pumping Fac Project	0.00			2,213,528.86	-495,721.14	81.7%	2,213,528.86	-495,721.14	81.7%
6122 · Rehab San Antonio Crk Blow-off	0.00			0.00	-10,000.00	0.0%	0.00	-10,000.00	0.0%
6123 · Sheffield Tunnel Insp/Eval SCC	0.00			0.00	-46,000.00	0.0%	0.00	-46,000.00	0.0%
6124 · SP Slope Stabilization	0.00			8,941.00	-1,059.00	89.41%	8,941.00	-1,059.00	89.41%
6127 · Encroachment-Tree/Veg Overgrow	0.00			0.00	-25,000.00	0.0%	0.00	-25,000.00	0.0%
6128 · Lauro Tunnel Pipe Support Eval	0.00			0.00	-30,000.00	0.0%	0.00	-30,000.00	0.0%
6129 · Rehab SCC LR Lateral Structures	0.00			0.00	-50,000.00	0.0%	0.00	-50,000.00	0.0%
6130 · NP Slope Stabilization	0.00			7,331.80	-82,668.20	8.15%	7,331.80	-82,668.20	8.15%
Total 6000 - SPECIAL PROJECTS	0.00	0.00	64.44%	2,377,509.92	-1,311,740.08	64.44%	2,377,509.92	-1,311,740.08	64.44%
6200 · FISHERIES ACTIVITIES									
6201 · FMP Implementation	45,398.85	100,000.00	45.4%	0.00			45,398.85	100,000.00	45.4%
6202 · GIS and Mapping	6,047.14	10,000.00	60.47%	0.00			6,047.14	10,000.00	60.47%
6203 · Grants Technical Support	9,690.00	10,000.00	96.9%	0.00			9,690.00	10,000.00	96.9%
6204 · SYR Hydrology Technical Support	1,582.57	10,000.00	15.83%	0.00			1,582.57	10,000.00	15.83%
6205 · USGS Stream Gauge Program	76,550.00	77,000.00	99.42%	0.00			76,550.00	77,000.00	99.42%
6206 · Tri County Fish Team Funding	5,000.00	5,000.00	100.0%	0.00			5,000.00	5,000.00	100.0%
6207 · Oak Tree Restoration Program	100,216.39	100,000.00	100.22%	0.00			100,216.39	100,000.00	100.22%
6209 · SYR RiverWare Model Peer Review	0.00	0.00	0.0%	0.00			0.00	0.00	0.0%
6211 · SYR RiverWare Model Use	0.00	0.00	0.0%	0.00			0.00	0.00	0.0%
Total 6200 - FISHERIES ACTIVITIES	244,484.95	312,000.00	78.36%	0.00	-67,515.05	78.36%	244,484.95	-67,515.05	78.36%
6300 · HABITAT ENHANCEMENT									
6303 · Tributary Projects Support	4,998.03	20,000.00	24.99%	0.00			4,998.03	20,000.00	24.99%
6312 · Quiota Creek Crossing 0 (a&b)	46,791.64	138,365.00	33.82%	0.00			46,791.64	138,365.00	33.82%
6313 · Quiota Creek Crossing 3	833,022.60	930,000.00	89.57%	0.00			833,022.60	930,000.00	89.57%
6314 · Quiota Creek Crossing 4	44,959.92	30,000.00	149.87%	0.00			44,959.92	30,000.00	149.87%
6315 · Quiota Creek Crossing 8	15,332.25	20,000.00	76.66%	0.00			15,332.25	20,000.00	76.66%
6316 · Quiota Creek Crossing 5	9,998.47	10,000.00	99.99%	0.00			9,998.47	10,000.00	99.99%
Total 6300 - HABITAT ENHANCEMENT	955,102.91	1,148,365.00	83.17%	0.00	-193,262.09	83.17%	955,102.91	-193,262.09	83.17%
Total Expense	2,114,470.60	2,466,010.00	85.75%	3,744,620.46	-1,906,429.54	66.26%	5,859,091.06	-2,257,968.94	72.18%
Net Income	61,141.65	0.00	100.0%	1,007,662.29	0.00	100.0%	1,068,803.94	0.00	100.0%

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

www.treasurer.ca.gov/pmia-laif/laif.asp
July 01, 2016

CACHUMA OPERATION AND MAINTENANCE BOARD

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

PMIA Average Monthly Yields

Tran Type Definitions

June 2016 Statement

Account Summary

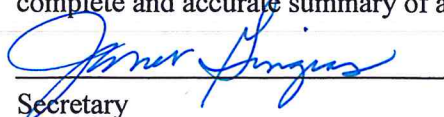
Total Deposit:	0.00	Beginning Balance:	9,996.89
Total Withdrawal:	0.00	Ending Balance:	9,996.89

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of June, 2016, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all LAIF investments of this agency for the period indicated.


Secretary

AMERICAN RIVIERA BANK

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

PAGE 1

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

RECEIVED

JUL 05 2016

CACHUMA O & M BOARD

ACCOUNT ANALYSIS CHECKING

STATEMENT DATE 06/30/2016
LAST STATEMENT DATE 05/31/2016

0	STATEMENT PERIOD		
PREVIOUS BALANCE	10,215.61	# OF DAYS-STMT PERIOD	30
0 DEPOSITS/CREDITS	0.00	AVERAGE BALANCE	10,215.61
0 CHECKS/WITHDRAWALS	0.00	YTD INTEREST	0.00
ENDING BALANCE	10,215.61		
TOTAL SRV CHG TODAY	0.00		

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of June, 2016, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all American Riviera Bank investments of this agency for the period indicated.


Secretary

AMERICAN RIVIERA BANK

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

PAGE 1

RECEIVED

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

JUL 05 2016

CACHUMA O & M BOARD

ACCOUNT ANALYSIS CHECKING

STATEMENT DATE 06/30/2016
LAST STATEMENT DATE 05/31/2016

0	STATEMENT PERIOD		
PREVIOUS BALANCE	529,419.22	# OF DAYS-STMT PERIOD	30
0 DEPOSITS/CREDITS	0.00	AVERAGE BALANCE	463,319.18
2 CHECKS/WITHDRAWALS	154,612.15	YTD INTEREST	0.00
ENDING BALANCE	374,807.07		
TOTAL SRV CHG TODAY	0.00		

MEMO TO: Board of Directors
Cachuma Operation & Maintenance Board

FROM: Janet Gingras, Secretary

SUBJECT: COMB INVESTMENT POLICY

The above statement of investment activity for the month of June, 2016, complies with legal requirements for investment policy of government agencies, AB 1073. I hereby certify that it constitutes a complete and accurate summary of all American Riviera Bank investments of this agency for the period indicated.


Secretary

comb2
Paid Claims
As of June 30, 2016

Date	Num	Name	Memo	Amount
1050 - GENERAL FUND				
06/08/2016	24568	Calif Department of Fish & Wildlife	App-Restoration/Enhancement-Quiota Crk Xng 0A	-4,912.25
06/14/2016	24569	A-OK Power Equipment-SB	Chain saw parts (Ops Div)	-267.26
06/14/2016	24570	AECOM Technical Services, Inc.	TO No.38-System Isolation Protocol (Ops Div)	-981.00
06/14/2016	24571	American Riviera Bank (ARB)	Loan interest payment #22-Jun	-7,280.08
06/14/2016	24572	AT&T	May charges	-412.63
06/14/2016	24573	California Conservation Corps	Oak tree program work (5/16-17/16) (Fish Div)	-2,121.01
06/14/2016	24574	Cardno, Inc.	BO Compliance /AMC-May (Fish Div)	-2,995.76
06/14/2016	24575	Carpinteria Valley Lumber Company	Stakes-Ortega underdrain (BOR) inspection	-63.37
06/14/2016	24576	Central Coast Salmon Enhancement, Inc.	MOU Identified Support 2016/2017	-5,000.00
06/14/2016	24577	City of Santa-Barbara	Trash/Recycle-May 2016	-217.82
06/14/2016	24578	Coastal Copy, LP	Copiers mtce agmt	-406.32
06/14/2016	24579	County of Santa--Barbara	Dump runs (Ops Div)	-34.85
06/14/2016	24580	County of Santa--Barbara	Mulch tickets-oak trees (Fish Div)	-170.60
06/14/2016	24581	County of SB Planning & Development	Land Use Permit Xng 0-May staff labor (Fish Div)	-37.75
06/14/2016	24582	Cox Communications Santa Barbara	Business internet-Jun	-195.00
06/14/2016	24583	Crop Production Services, Inc	Gloves/coveralls (Ops Div)	-212.83
06/14/2016	24584	Culligan of Sylmar	Monthly RO system-Jun	-25.95
06/14/2016	24585	Cushman Contracting Corp.	Emerg Pumping System: Pay Req#25-Phase II	-235,390.00
06/14/2016	24586	ECHO Communications	Monthly answering service	-62.00
06/14/2016	24587	Famcon Pipe & Supply	Lateral 1 repair-valves/flanges/gaskets/bolts/nuts	-2,887.92
06/14/2016	24588	Frontier Communications	Main office/outlying stations/SCADA	-1,175.74
06/14/2016	24589	Harrison Hardware	Seal tape/hose couplers/fasteners/trim line- Oak trees (Fish Div)	-55.97
06/14/2016	24590	Harwood White	May mtg fees	-132.48
06/14/2016	24591	HDR Engineering, Inc.	EPFP Engineering services-May	-4,436.29
06/14/2016	24592	Home Depot Credit Services	Paint supplies (Ops Div)	-88.72
06/14/2016	24593	J&C Services	Ofc cleaning services-May	-600.00
06/14/2016	24594	Kenneth A. Knight, Consulting	Consulting Arborist-Oak Tree program-May	-300.00
06/14/2016	24595	Kevin D. Walsh	May mtg fees	-317.25
06/14/2016	24596	Lauren W. Hanson	May mtg fees	-266.80
06/14/2016	24597	MarBorg Industries	Portable toilets-outlying stations & CalFire	-538.37
06/14/2016	24598	Milpas Rental	Chipper rental/clean-up-clutch adjust (CalFire)	-933.75
06/14/2016	24599	Nestle Pure Life Direct	May-5 gal disp. (PPE criteria)	-52.54
06/14/2016	24600	O'Reilly Automotive, Inc.	Wiper blades/Oil/tail lights/trimmer line	-35.80
06/14/2016	24601	Onset Computer Corporation	Sensor caps for water quality instruments (Fish Div)	-574.00
06/14/2016	24602	Pacific Coast Jiffy Lube	Service '15 Chev/Explorer (Ops Div)	-154.75
06/14/2016	24603	Paychex, Inc.	5/6, 5/20 payrolls/taxes/deliveries	-349.16
06/14/2016	24604	Polly Holcombe	May mtg fees	-429.83
06/14/2016	24605	Praxair Distribution, Inc	Cylinder rental (acetylene for welder)	-66.38
06/14/2016	24606	Premiere Global Services	Conf calls-May	-26.93
06/14/2016	24607	Prudential Overall Supply	Mats/scrapers-May	-100.56
06/14/2016	24608	Quinn Company	Adapters (parts)-oak trees (Fish Div)	-7.89
06/14/2016	24609	Santa Barbara Electronics Supply, LLC	Materials/supplies-Boundary meter (Ops Div)	-123.98
06/14/2016	24610	Santa Ynez Band of Chumash Indians	EPFP-Field monitoring (Ops Div)	-240.00
06/14/2016	24611	Southern California Edison	Main office/outlying stations	-1,072.82
06/14/2016	24612	Tri-Co Reprographics	Copies-Quiota Creek Xng 0a (Fish Div)	-72.10
06/14/2016	24613	Turenchalk Network Services, Inc.	IT services-May	-838.50
06/14/2016	24614	Underground Service Alert of So. Calif.	65 Ticket charges (Ops Div)	-97.50
06/14/2016	24615	Verizon Wireless	Cellular/Modem's/USB's	-645.67
06/14/2016	24616	W. Douglas Morgan	May mtg fees	-416.40
06/14/2016	24617	Wright Express Fleet Services	Fleet fuel	-2,144.65
06/14/2016	24618	YSI Incorporated	Water probes/calibration solution (Fish Div)	-1,774.33

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
06/30/2016	24619	City of Santa Barbara-Finance Dept.	Inv#1 Disbursement-Prop 84 Grant-EPFP	-463,593.22
06/30/2016	24620	Goleta Water Dist.	Inv#1 Disbursement-Prop 84 Grant-EPFP	-522,355.78
Total 1050 · GENERAL FUND				<u>-1,267,692.56</u>
TOTAL				<u><u>-1,267,692.56</u></u>

APPROVED FOR PAYMENT

_____ Director

_____ Director

_____ Director

FINANCE COMMITTEE

comb2
Pending Claims for Payment

As of June 30, 2016

<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Memo</u>	<u>Due Date</u>	<u>Amount</u>
Musick, Peeler & Garrett LLP					
Bill	06/09/2016	295937	General Counsel-May	07/09/2016	6,743.88
Bill	06/30/2016	297615	General Counsel-June	07/30/2016	11,086.00
Total Musick, Peeler & Garrett LLP					<u>17,829.88</u>

TOTAL

TOTAL CLAIMS PENDING PAYMENT June \$ 17,829.88

APPROVED FOR PAYMENT

_____ Director
_____ Director
_____ Director

FINANCE COMMITTEE

CACHUMA OPERATION & MAINTENANCE BOARD

Operations Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Thursday, July 14, 2016
2:00 p.m.

AGENDA

1. Call to Order
2. Public Comment (Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction)
3. Emergency Pumping Facility Project (EPFP) Status (*for information and possible recommendations*)
 - Cushman Contracting Corporation Change Order Request
 - HDR Engineering, Inc. Proposal: FY 2016-17 Project Engineering Services
4. Projects/Procedures Update (*for information*)
 - Lateral 1 Meter Replacement
 - North Portal Access Road
 - Ortega Dam Underdrain Repair
 - SCADA System
 - System Isolation Protocols
 - System Loss
5. Adjournment

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

CACHUMA OPERATION & MAINTENANCE BOARD

Fisheries Committee Meeting

3301 Laurel Canyon Road
Santa Barbara, CA 93105

Tuesday, July 19, 2016
1:00 PM

AGENDA

1. Call to Order
2. Public Comment (Public may address the Committee on any subject matter not on the agenda and within the Committee's jurisdiction)
3. Consultant Scopes of Work (SOW) for Fiscal Year 2016-17 (*for information and possible recommendation*)
4. Purchase of Fluidigm Equipment (*for information and possible recommendation*)
5. Tributary Project Updates: Fish Passage Improvement Projects on Quiota Creek (*for information*)
6. Annual Monitoring Reports/Summaries (AMR/S) – Status Update (*for information*)
7. Update on Recent Fisheries Division Activities (*for information*)
8. Adjournment

[This Agenda was Posted at 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:	July 25, 2016
Submitted by:	Janet Gingras

SUBJECT: **Board Committee Appointments for Fiscal Year 2016-17**

SUMMARY:

The COMB Board has five standing committees including Administrative, Operations, Fisheries, Lake Cachuma Oak Tree, and Public Outreach. Each committee consists of two Board Directors, one of which is the Chair and the other a member, and an alternate Director on each committee. The committees meet during the course of the fiscal year, on an as-needed basis, together with COMB staff, to discuss various subjects and make recommendations to the Board. The Board President is responsible for the appointment of Directors to serve on each committee.

RECOMMENDATION:

It is recommended that the President of the Board consider committee appointments for Fiscal Year 2016-2017.

LIST OF EXHIBITS:

1. Chart of COMB Committee appointments for Fiscal Year 2016-2017

CACHUMA OPERATION & MAINTENANCE BOARD
STANDING COMMITTEE MEMBER APPOINTMENTS

FISCAL YEAR 2015-2016

COMMITTEE NAME	COMMITTEE CHAIR	COMMITTEE MEMBER	ALTERNATE MEMBER
Administrative (Finance, Personnel, Legal)	Director Morgan	Director Holcombe	Director Hanson
Operations	Director Walsh	Director Morgan	Director White
Fisheries	Director Holcombe	Director Hanson	Director Walsh
Lake Cachuma Oak Tree	Director White	Director Walsh	Director Morgan
Public Outreach	Director Hanson	Director Holcombe	Director White

FISCAL YEAR 2016-2017

COMMITTEE NAME	COMMITTEE CHAIR	COMMITTEE MEMBER	ALTERNATE MEMBER
Administrative (Finance, Personnel, Legal)			
Operations			
Fisheries			
Lake Cachuma Oak Tree			
Public Outreach			

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	July 25, 2016
Submitted by:	Janet Gingras

SUBJECT: Annual Resolutions Regarding Bank Accounts, Statement of Investment Policy and Establishing a Time and Place for Regular Board Meetings

SUMMARY:

In June or July of each year, the Board holds its annual organizational meeting. The attached resolutions are presented annually to adopt an annual statement of investment policy, affirm the check signing policy for all COMB bank accounts, authorize signatories on those accounts, and establish the time and place of COMB Board meetings. The approval of these resolutions is a basic housekeeping item and is identical to the resolutions presented to the Board in the past. Prior resolutions of the same subject matter will be superseded by the resolutions presented within.

The regular COMB Board meetings are held the fourth Monday of each month. Resolution No. 622 establishes regular meeting dates of the COMB Board. However, due to occasions where a holiday falls on or near the fourth Monday, the regular meeting has historically been moved to the third Monday for that particular month.

RECOMMENDATION:

The Board of Directors approve Resolutions No. 614 through No. 622 by roll call vote on one motion, unless a member requests separate consideration.

LIST OF EXHIBITS:

1. Resolutions No. 614 through No. 622

RESOLUTION NO. 614

**A RESOLUTION OF THE CACHUMA OPERATION AND MAINTENANCE BOARD
ADOPTING AN ANNUAL STATEMENT
OF INVESTMENT POLICY**

WHEREAS, the Board of Directors has heretofore established a General Fund from which monies may be expended for general operating purposes, and

WHEREAS, the Board of Directors, has in addition, established reserve funds designated as "General Reserve" from which monies may be expended for specific and operating purposes, and

WHEREAS, the Cachuma Operation and Maintenance Board has on hand in the General Fund from time to time monies which are surplus to the Board's immediate operating needs, and

WHEREAS, it has been determined to be in the public interest to invest such surplus and inactive monies in a manner which insures a maximum return consistent with safety on such investments while maintaining the integrity of such surplus and inactive funds, and

WHEREAS, the Board of Directors has heretofore designated depositories, and may from time to time hereafter designate additional such depositories to have custody of Cachuma Operation and Maintenance Board funds, and

WHEREAS, such designated depositories must provide security for such Board funds as may be deposited with them, as provided by statute, and

WHEREAS, the Secretary has rendered an Annual Statement of Investment Policy to the Board pursuant to Section 53646(a) of the Government Code

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Cachuma Operation and Maintenance Board as follows:

The Secretary's Annual Statement of Investment Policy dated July 25, 2016 attached hereto as Exhibit A, is hereby approved and adopted.

PASSED, APPROVED AND ADOPTED this 25th day of July 2016 by the following roll call vote:

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

ATTEST:

President of the Board

Secretary of the Board

TO: Board of Directors
FROM: Janet Gingras, Secretary
DATE: July 25, 2016
RE: **SECRETARY'S ANNUAL STATEMENT OF INVESTMENT POLICY**

The following is my annual statement of investment policy rendered pursuant to Section 53646(a) of the Government Code:

1. Investment of sinking fund or surplus money of Cachuma Operation & Maintenance Board (*Board*) shall be made in securities in which the Board is legally empowered to invest such funds in accordance with Section 53601 of the Government Code, taking into consideration the probable income as well as the probable safety of said funds, exercising the judgment and care under the circumstances prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not in regard to speculation, but in regard to the permanent disposition of said funds.
2. As far as possible, all money shall be deposited for safekeeping in state or national banks or state or federal savings and loan associations or may be invested as provided in Section 53635 of the Government Code.
3. Money may be invested in the Local Agency Investment Fund in accordance with Section 16429.1 of the Government Code.
4. No investments shall be made in financial futures or financial option contracts which are otherwise allowed pursuant to Section 53601.1 of the Government Code.
5. All interest earned shall be credited to the General Fund.
6. Accounts shall be established and maintained in Board accounting records to record surplus and inactive funds at all times in accordance with the State Controller's chart of accounts as authorized by Section 53891 of the Government Code.
7. Reserve Fund account balances shall be maintained separately and shall reflect at all times the balance in each reserve fund in a manner consistent with generally accepted accounting practices.
8. Depositories having custody of Board funds shall be directed to forward copies of all correspondence concerning Board funds to the Secretary of the Board.
9. Verification that monies have been on deposit at all times and collateralized in amounts equal to or in excess of funds designated by the Board of Directors as reserve funds shall be made in the annual audit of records.
10. After review and prior authorization by the Board of Directors, the Secretary should be delegated the authority and responsibility to invest or to reinvest funds of the Board or to sell or exchange securities so purchased in accordance with Section 53607 of the Government Code.
11. The Board should from time to time determine which reserve funds are surplus and which are inactive.
12. The Secretary shall render a monthly report to the Board in accordance with Section 53646(b) of the Government Code.

RESOLUTION NO. 615

**RESOLUTION OF THE BOARD OF DIRECTORS OF
CACHUMA OPERATION AND MAINTENANCE BOARD
AUTHORIZING INVESTMENT OF MONIES IN THE
LOCAL AGENCY INVESTMENT FUND**

WHEREAS, Pursuant to Chapter 730 of the statutes of 1976 Section 16429.1 was added to the California Government Code to create a Local Agency Investment Fund in the State Treasury for the deposit of money of a local agency for purposes of investment by the State Treasurer; and

WHEREAS, The Board of Directors does hereby find that the deposit and withdrawal of money in the Local Agency Investment Fund in accordance with the provisions of Section 16429.1 of the Government Code for the purpose of investment as stated therein is in the best interests of the Cachuma Operation and Maintenance Board (COMB).

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors does hereby authorize the deposit and withdrawal of COMB monies in the Local Agency Investment Fund in the State Treasury in accordance with the provisions of Section 16429.1 of the Government Code for the purpose of investment as stated therein, and verification by the State Treasurer's Office of all banking information provided in that regard.

BE IT FURTHER RESOLVED, that the following COMB officers or their successors in office shall be authorized to order the deposit or withdrawal of monies in the Local Agency Investment Fund.

President, Board of Directors

Vice-President, Board of Directors

General Manager/
Secretary of the Board

Administrative Manager/
Auditor-Controller

PASSED AND ADOPTED, by the Board of Directors of COMB, County of Santa Barbara, State of California on July 25, 2016 by the following vote:

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 616

**A RESOLUTION OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD (CUSTOMER)
ESTABLISHING A SUPPLEMENTAL ACCOUNT AGREEMENT
FOR TELEPHONE TRANSFERS**

The undersigned Customer further agrees with American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) in connection with its Agreement for General Fund and Revolving Fund Accounts, hereinafter referred to as the "checking accounts", that the Bank may honor telephone instructions to transfer funds to and from the State Treasurer's Local Agency Investment Fund, maintained at the Bank of America Sacramento Branch to and from Customer's above listed local accounts when such instructions are given by the person, or one of the persons, authorized below to make such transfers.

In consideration of the Bank accepting telephone instructions to transfer, the Bank may require such identification of the person giving such instructions as it may deem necessary and sufficient and the undersigned Customer will indemnify and hold harmless the Bank from all loss or damage resulting from such instructions, including incorrect identification.

Any one of the following persons is authorized to make telephone transfers to and from the Checking Accounts(s):

_____	_____
President, Board of Directors	Vice-President, Board of Directors
_____	_____
General Manager/ Secretary of the Board	Administrative Manager/ Auditor-Controller

The Bank is authorized to accept and rely upon the telephone instructions of the above persons, and each of them, unless and until the undersigned Customer shall deliver to the Bank at the Branch where the Checking accounts are located a specific written instruction revoking the authority of such person(s) to make such telephone instruction, and the Bank has a reasonable opportunity to comply (*which shall be at least one banking business day*) with the written revocation of authority.

This resolution supersedes Resolution No. 598 dated July 27, 2015, and all resolutions preceding it pertaining to said Agreement.

PASSED, APPROVED AND ADOPTED this 25th day of July 2016 by the following roll call vote:

AYES:
NAYS:
ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 617

**A RESOLUTION OF THE CACHUMA OPERATION AND MAINTENANCE BOARD
ESTABLISHING A POLICY FOR SIGNING CHECKS DRAWN ON THE GENERAL FUND
ACCOUNT FOR THE PAYMENT OF CLAIMS**

WHEREAS, the Cachuma Operation and Maintenance Board maintains a separate checking account at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of bills and claims presented to the Board herein called the General Fund, and

WHEREAS, the checks issued on the General Fund require two (2) authorized signatures before the checks are honored by the Bank; and

WHEREAS, the Board of Directors reviews and approves the payment of claims for all checks issued on the General Fund at the Board's monthly meeting,

NOW, THEREFORE BE IT RESOLVED by the Board of Directors of the Cachuma Operation and Maintenance Board that the following policy be adopted:

All checks issued from the General Fund will require two (2) signatures of the following: General Manager, Administrative Manager and any member of the Board of Directors.

This resolution supersedes Resolution No. 599 dated July 27, 2015, and all resolutions preceding it pertaining to establishing policy for staff to sign checks for payment of claims.

PASSED, APPROVED AND ADOPTED this 25th day of July 2016, by the following vote:

AYES:
NAYES:
ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 618

**A RESOLUTION OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD AUTHORIZING
SIGNATORIES FOR GENERAL FUND ACCOUNT AT
AMERICAN RIVIERA BANK**

WHEREAS, the Cachuma Operation and Maintenance maintains a separate checking account at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of bills and claims presented to the Board herein called the General Fund, and

WHEREAS, the checks issued on the General Fund require two (2) authorized signatures; and

WHEREAS, the Board of Directors reviews and approves the payment of claims for all checks issued on the General Fund at the Board's monthly meeting.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Cachuma Operation and Maintenance Board that the following persons are authorized signatories on said account subject to those conditions as specified in Resolution No. 617 adopted by this Board on July 25, 2016.

President, Board of Directors

Vice-President, Board of Directors

Director

Director

General Manager/Secretary of the Board

Administrative Manager/Auditor-Controller

PASSED, APPROVED AND ADOPTED this 25th day of July 2016, by the following vote:

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 619

**A RESOLUTION OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD AUTHORIZING
SIGNATORIES FOR REVOLVING FUND ACCOUNT AT
AMERICAN RIVIERA BANK**

WHEREAS, the Cachuma Operation and Maintenance Board maintains a separate checking account at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of payroll and related items herein called the Revolving Fund, and

WHEREAS, the checks issued on the Revolving Fund require one authorized signature before the checks are honored by the Bank.

NOW, THEREFORE BE IT RESOLVED by the Board of Directors of the Cachuma Operation and Maintenance Board that the following persons are authorized signatories on said account:

President, Board of Directors

Vice-President, Board of Directors

General Manager/Secretary of the Board

Administrative Manager/Auditor-Controller

This resolution supersedes Resolution No. 601 dated July 27, 2015 and all resolutions preceding it pertaining to authorized signatories for said account.

PASSED, APPROVED, AND ADOPTED this 25th day of July 2016, by the following vote:

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 620

**A RESOLUTION OF THE CACHUMA OPERATION AND MAINTENANCE BOARD
ESTABLISHING A POLICY FOR SIGNING CHECKS DRAWN ON THE
CACHUMA PROJECT TRUST FUND AND THE
CACHUMA MASTER CONTRACT RENEWAL FUND ACCOUNTS
FOR THE PAYMENT OF CLAIMS**

WHEREAS, the Cachuma Operation and Maintenance Board has established separate money market accounts at American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) for the payment of bills and claims presented to the Board herein called the Cachuma Project Trust Fund and the Cachuma Master Contract Renewal Fund Account (Renewal Fund), and

WHEREAS, the checks issued on either money market account require two (2) authorized signatures before the checks are honored by the Bank; and

WHEREAS, the Board of Directors reviews and approves the payment of claims for all checks issued on the Cachuma Project Trust Fund and Renewal Fund accounts at the Board's monthly meeting,

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Cachuma Operation and Maintenance Board that the following policy be adopted:

All checks issued from the Cachuma Project Trust Fund and Renewal Fund accounts will require two (2) signatures of the following: General Manager, Administrative Manager and any member of the Board of Directors.

This Resolution supersedes Resolution No. 602 dated July 27, 2015 and all resolutions preceding it pertaining to establishing policy for signing checks drawn on the Cachuma Project Trust Fund and Renewal Fund accounts.

PASSED, APPROVED AND ADOPTED this 25th day of July 2016, by the following vote:

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 621

**A RESOLUTION OF THE
CACHUMA OPERATION AND MAINTENANCE BOARD AUTHORIZING
SIGNATORIES FOR THE CACHUMA PROJECT TRUST FUND AND THE
CACHUMA MASTER CONTRACT RENEWAL FUND ACCOUNTS AT
AMERICAN RIVIERA BANK**

WHEREAS, the Cachuma Operation and Maintenance Board (COMB) by Resolution No. 249 of January 27, 1997 assumed responsibility for managing the Cachuma Project Trust Fund and the Cachuma Master Contract Renewal Fund (Renewal Fund), and

WHEREAS, COMB has identified American Riviera Bank (*formerly The Bank of Santa Barbara*) (Bank) as the most favorable institution with which to establish these accounts; and

WHEREAS, the checks issued on the Renewal Fund and Cachuma Project Trust Fund require two (2) authorized signatures; and

WHEREAS, the Board of Directors reviews and approves the payment of claims for all checks issued on the Renewal Fund and Cachuma Project Trust Fund accounts at the Board's monthly meeting,

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Cachuma Operation and Maintenance Board that the following persons are authorized signatories on said accounts subject to those conditions as specified in Resolution No. 620 adopted by this Board on July 25, 2016.

President, Board of Directors

Vice-President, Board of Directors

Director

Director

General Manager/Secretary of the Board

Administrative Manager/Auditor-Controller

PASSED, APPROVED AND ADOPTED this 25th day of July 2016 by the following vote:

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

RESOLUTION NO. 622

**A RESOLUTION OF THE CACHUMA OPERATION AND
MAINTENANCE BOARD ESTABLISHING THE TIME AND
PLACE OF REGULAR BOARD MEETINGS**

WHEREAS, the Cachuma Operation and Maintenance Board (“COMB”) maintains its offices and mailing address at 3301 Laurel Canyon Road, Santa Barbara, CA 93105-2017.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of COMB that the following policy be adopted:

Unless otherwise noted, the regular meetings of the COMB Board of Directors shall be held each fourth Monday of the month, at 2:00 p.m., at the above address. If a Holiday falls on the fourth Monday of the month, the regular Board meeting will be held on the third Monday during such months. A list of the Regular Board meeting dates will be provided for each calendar year.

Special meetings of the COMB Board of Directors may be called at any time by the presiding officer or by a majority of the Directors, in accordance with the provisions of Government Code Section 54956.

This Resolution supersedes Resolution No. 604 dated July 27, 2015 and all resolutions preceding it pertaining to establishing a time and place for regular meetings of the COMB Board of Directors.

PASSED, APPROVED AND ADOPTED this 25th day of July 2016, by the following roll call vote:

AYES:

NAYES:

ABSENT/ABSTAIN:

APPROVED:

President of the Board

ATTEST:

Secretary of the Board

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	July 25, 2016
Submitted by:	Janet Gingras

SUBJECT: Selection of Bartlett, Pringle & Wolf, LLP to Perform Fiscal Year 2015-16 Audit

SUMMARY:

In preparation for the June 30, 2016 fiscal year audit, attached is Bartlett, Pringle & Wolf, LLP's proposal for the annual COMB audit. Staff is extremely pleased with Bartlett, Pringle & Wolf, LLP's resultant work product and prompt completion of prior audits. The fee for this year's audit is \$18,000, which has only minimally increased over the past few years. For consideration of consistency and continuity, staff recommends engaging Bartlett, Pringle & Wolf, LLP to serve as COMB's outside auditor for Fiscal Year ending June 30, 2016.

FISCAL IMPACTS:

The FY 2015-16 adopted budget contains funding for this item.

COMMITTEE STATUS:

This was an agenda item on the July 15, 2016 Administrative Committee meeting, which was cancelled.

RECOMMENDATION:

Board approve the selection of Bartlett, Pringle & Wolf, LLP to perform the Fiscal Year 2015-16 COMB financial audit.

LIST OF EXHIBITS:

1. Engagement Letter



May 23, 2016

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

Dear Janet:

Bartlett, Pringle & Wolf, LLP ("BPW") appreciates the opportunity to work with you. To minimize the possibility of a misunderstanding between us, we are setting forth pertinent information about the services we will perform for you. This letter is to confirm our understanding of the terms and objectives of our engagement and the nature and limitations of the services we will provide.

You have requested that we audit the financial statements of Cachuma Operation and Maintenance Board (the District), which comprise the Statement of Net Position, Statement of Revenues, Expenses and Changes in Net Position, and Statement of Cash Flows as of and for the year ended June 30, 2016. We are pleased to confirm our acceptance and our understanding of this audit engagement by means of this letter.

Accounting standards generally accepted in the United States of America call for certain required supplementary information (RSI) to accompany the basic financial statements. The Governmental Accounting Standards Board also considers this information a necessary part of financial reporting as it provides perspective to the basic financial statements. Therefore, as part of this engagement, we will apply limited procedures to the District's RSI in accordance with auditing standards generally accepted in the United States of America (GAAS). These limited procedures will primarily consist of inquiries of management regarding their methods of measurement and presentation. However, we will not express an opinion or provide any assurance on this RSI as our limited procedures do not provide us with sufficient evidence to do so under our professional standards. Consequently, the financial statements we present to you will include the following required RSI that will not be audited and, as such, our report will disclaim an opinion on this RSI:

- Management's Discussion and Analysis
- California Public Employees' Retirement System – Schedule of Cachuma Operation and Maintenance Board's Proportionate Share of the Net Pension Liability
- California Public Employees' Retirement System – Schedule of Cachuma Operation and Maintenance Board's Contributions
- Other Post-Employment Benefits (OPEB) Plan – Schedule of Funding Progress

We also understand that supplementary information other than RSI will accompany the District's basic financial statements. In accordance with GAAS, we will apply auditing procedures and other additional procedures deemed necessary to the following supplementary information accompanying

the basic financial statements in order to provide an opinion on this information in relation to the financial statements as a whole:

- Supplemental Schedule of Operation and Maintenance, General and Administrative and Other Maintenance Expense

Objective

The objective of our audit is the expression of an opinion about whether your financial statements are fairly presented, in all material respects, in conformity with generally accepted accounting principles and to report on the fairness of the additional supplementary information referred to above when considered in relation to the financial statements taken as a whole.

Our audit will be conducted in accordance with GAAS. Our professional standards as defined by GAAS require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement and are fairly presented, in all material respects, in conformity with accounting principles generally accepted in the United States of America. As such, our audit will involve performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements and will include tests of the accounting records of the District and other procedures we consider necessary. The procedures we determine necessary will depend on our "auditor's" judgment and will be based, in part, on our assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. If our opinion is other than unqualified, we will fully discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or form an opinion, we may disclaim an opinion or not issue a report.

Audit Procedures

Our audit will involve performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements and will include tests of the accounting records of the District and other procedures we consider necessary. The procedures we determine necessary will depend on our "auditor's" judgment and will be based, in part, on our assessment of the risks of material misstatement of the financial statements, whether from errors, fraudulent financial reporting, misappropriations of assets, or violations of laws or governmental regulations that are attributable to the entity or to acts by management or employees acting on behalf of the entity. An audit also includes evaluating the appropriateness of accounting policies used, and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. If we deem it appropriate, our procedures will also include tests of documentary evidence supporting the transactions recorded in the accounts, may include tests of the physical existence of inventories, and will include direct confirmation of receivables and certain other assets and liabilities by correspondence with selected individuals, creditors, and financial institutions. As part of our audit process, we will request written representations from your attorneys, and they may bill you for responding. At the conclusion of our audit, we will also request certain written representations from you about the financial statements and related matters. These representations will include acknowledging our assistance with the preparation of your financial statements, the supplementary information, and notes accompanying these documents, and that you have reviewed and approved these documents, approved their release, and that you have accepted

responsibility for them.

Because of the inherent limitations of an audit, together with the inherent limitations of internal control, an unavoidable risk exists that some material misstatements may not be detected by our firm, even though our audit is properly planned and performed in accordance with GAAS. In addition, an audit is not designed to detect immaterial misstatements or violations of laws or governmental regulations that do not have a direct and material effect on the financial statements. However, we will inform you of any material errors that come to our attention, and we will inform you, or the appropriate level of management, of any fraudulent financial reporting or misappropriation of assets that comes to our attention. We will also inform you of any violations of laws or governmental regulations that come to our attention, unless clearly inconsequential.

In making our risk assessments, we will consider internal controls relevant to the preparation and fair presentation of the District's financial statements in order to design audit procedures that are appropriate in the circumstances. However, our audit procedures are not designed for the purpose of expressing an opinion on the effectiveness of your internal control. In accordance with our professional standards, we will communicate in writing to the appropriate level of management and those charged with governance matters concerning any significant deficiencies or material weaknesses in internal control relevant to the audit of the financial statements that we identify during the audit.

Our responsibility as auditors is, of course, limited to the period covered by our audit and does not extend to any other periods.

Danna McGrew is the engagement partner for the audit services specified in this letter. Her responsibilities include supervising Bartlett, Pringle & Wolf's services performed as part of this engagement and signing or authorizing another qualified firm representative to sign the audit report.

Responsibilities of Management and Those Charged with Governance

As part of our engagement, we may advise you about appropriate accounting principles and their application; however, the management of the District acknowledges and understands that the final responsibility for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America remains with you. This responsibility includes the financial statements, all accompanying information, and the representations that accompany them. As such, the management of the District is responsible for adjusting the financial statements to correct material misstatements and for confirming to us in the representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the latest period presented are immaterial, both individually and in the aggregate, to the financial statements taken as a whole. Other management responsibilities include maintaining adequate records, selecting and applying accounting principles, and safeguarding assets.

By your signature below, you also acknowledge that the management of the District is responsible for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements, and all accompanying information, that are free from

material misstatement, whether due to fraud or error. This responsibility includes the fair presentation in the financial statements of the respective financial position of the District and the respective changes in financial position and where applicable, cash flows, in conformity with accounting principles generally accepted in the United States of America. In addition, management is also responsible for having appropriate programs and controls in place to prevent and detect fraud, and for informing us about all known or suspected fraud affecting the organization that involves management, employees who have significant roles in internal control, regulators, and others where fraud could have a material impact on the financial statements. The management of the District is also responsible for informing us of your knowledge of any allegations of fraud or suspected fraud affecting the District received in communications from employees, former employees, regulators, or others. In addition, you are responsible for identifying and ensuring that the District complies with applicable laws and regulations and for taking timely and appropriate actions to remedy any fraud, illegal acts, or violations of contracts and agreements. You agree that you will confirm your understanding of your responsibilities as defined in this letter to us in your representation letter.

Management is also responsible for the preparation and fair presentation of the supplementary information in conformity with accounting principles generally accepted in the United States of America. You agree that you will confirm your understanding of your responsibilities with respect to the supplementary information in your representation letter. You further agree to include our report on the supplementary information in any document that contains and indicates that we have reported on such supplementary information.

Management's responsibilities also include designating qualified individuals with the skill, knowledge, and experience to be responsible and accountable for overseeing financial statement preparation, tax services, and any other nonattest services we perform as part of this engagement, as well as evaluating the adequacy and results of those services and accepting responsibility for them.

You further acknowledge and understand that management is responsible for providing us with access to all information management is aware of that is relevant to the preparation and fair presentation of the financial statements such as records, documentation and other matters; for the accuracy and completeness of the information that is provided to us; and for informing us of events occurring or facts discovered subsequent to the date of the financial statements that may affect the financial statements. This responsibility also includes providing us with any additional information that we may request from management for the purpose of the audit; as well as allowing us unrestricted access to individuals within the organization from whom we may determine it necessary to obtain audit evidence, including access to your designated employees who will type all confirmations we request.

The District agrees that it will not include our reports, or otherwise make reference to us, in any public or private securities offering without first obtaining our permission. Any such request is also a matter for which separate arrangements will be necessary. After obtaining our permission, the District also agrees to provide us with printer's proofs or master of such offering documents for our review and approval before printing and with a copy of the final reproduced material for our approval before it is distributed. In the event our auditor/client relationship has been terminated when the District seeks our permission, we will be under no obligation to grant such permission or

approval.

Written Report

We expect to issue a written report upon completion of our audit of the District's financial statements. Our report will be addressed to the board of directors of the District. We cannot provide assurance that an unmodified opinion will be expressed on the financial statements. Circumstances may arise in which it is necessary for us to modify our opinion, add emphasis-of-matter or other-matter paragraphs, decline to express an opinion or withdraw from the engagement.

Other Matters

Our fees for these services will be based on the actual time spent at our standard hourly rates, plus travel and other out-of-pocket costs, such as report production, typing, and postage. Our standard hourly rates vary according to the degree of responsibility involved and the experience level of the personnel assigned to your audit. Billings become delinquent if not paid within 30 days of the invoice date. If billings are past due in excess of 90 days, at our election, we may stop all work until your account is brought current, or withdraw from this engagement. The District acknowledges and agrees that we are not required to continue work in the event of the District's failure to pay on a timely basis for services rendered as required by this engagement letter. The District further acknowledges and agrees that in the event we stop work or withdraw from this engagement as a result of the District's failure to pay on a timely basis for services rendered as required by this engagement letter, we shall not be liable for any damages that occur as a result of our ceasing to render services. Our fees for this audit will be approximately \$18,000. That estimate is based on anticipated cooperation from your personnel and the assumption that unexpected circumstances will not be encountered during the audit. If significant additional time is necessary, we will discuss it with you and arrive at a new fee estimate before we incur the additional costs.

In addition, you further agree that in the event our firm or any of its employees or agents is called as a witness or requested to provide any information whether oral, written, or electronic in any judicial, quasi-judicial, or administrative hearing or trial regarding information or communications that you have provided to this firm, or any documents and workpapers prepared by Bartlett, Pringle & Wolf, LLP in accordance with the terms of this agreement, you agree to pay any and all reasonable expenses, including fees and costs for our time at the rates specified in our engagement letter, as well as any legal or other fees that we incur as a result of such appearance or production of documents.

It is our policy to keep records related to this engagement for seven years. However, Bartlett, Pringle & Wolf, LLP does not keep any original client records, so we will return those to you at the completion of the services rendered under this engagement. When records are returned to you, it is your responsibility to retain and protect your records for possible future use, including potential examination by government or regulatory agencies.

By your signature below, you acknowledge and agree that upon the expiration of the seven-year period, Bartlett, Pringle & Wolf, LLP shall be free to destroy our records related to this engagement.

If any dispute arises among the parties hereto, the parties agree to first try in good faith to settle the dispute by mediation administered by the American Arbitration Association under its applicable

Cachuma Operation and Maintenance Board
May 23, 2016
Page 6

rules for resolving professional accounting and related services disputes before resorting to litigation. The costs of any mediation proceeding shall be shared equally by all parties.

Client and accountant both agree that any dispute over fees charged by the accountant to the client will be submitted for resolution by arbitration in accordance with the applicable rules for resolving professional accounting and related services disputes of the American Arbitration Association, except that under all circumstances the arbitrator must follow the laws of California. Such arbitration shall be binding and final. In agreeing to arbitration, we both acknowledge that, in the event of a dispute over fees charged by the accountant, each of us is giving up the right to have the dispute decided in a court of law before a judge or jury and instead we are accepting the use of arbitration for resolution. The prevailing party shall be entitled to an award of reasonable attorneys' fees and costs incurred in connection with the arbitration of the dispute in an amount to be determined by the arbitrator.

We will be pleased to discuss this letter with you at any time.

If the foregoing is in accordance with your understanding, please sign this letter in the space provided and return it to us.

Very truly yours,

BARTLETT, PRINGLE & WOLF, LLP
Certified Public Accountants and Consultants



Danna D. McGrew
Partner

DDM/ml
Enclosure

Approved:

Signature

Audit: Governmental, Standard

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	July 25, 2016
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

SUBJECT: **Scopes of Work for Fiscal Year 2016-17 for Fisheries Division Consultants**

SUMMARY:

Annually, Scopes of Work for Fisheries Division consultants are drafted, reviewed and incorporated into the annual COMB budget. Consultants assist COMB staff to implement compliance measures within the Cachuma Project Biological Opinion (2000), Lower Santa Ynez River Fish Management Plan (2000), Biological Assessment (1999 and 2000) and EIR/EIS (2004). Consultant tasks are developed in the Scopes of Work and carefully managed to assure timely delivery of the requested work product. Scopes of Work for Fiscal Year 2016-17 are attached for COMB Board review and approval; the associated financial obligation has been incorporated in the approved COMB budget for this fiscal year.

All Scopes of Work have been included regardless of the dollar amount for full transparency. They were reviewed by the Fisheries Committee on 7/19/16 and were recommended for Board review and approval. All specified consultants were chosen due to their legacy knowledge of the Cachuma Project and associated Biological Opinion, long-term and excellent service, completed engineering and design work where annual monitoring and reporting are required, or in-depth project specific design knowledge. Consultants not identified are due to organizational transitions at COMB but will be identified in short order.

FINANCIAL IMPACT:

Scopes of Work projected expenditures are reflected in the adopted Fiscal Year 2016-17 COMB budget.

COMMITTEE STATUS:

The Fisheries Committee reviewed the Scopes of Work at the July 19th Fisheries Committee meeting and forwards to Board a recommendation to approve.

RECOMMENDATION:

The Board approve all Scopes of Work, as drafted.

LIST OF EXHIBITS:

1. Scopes of Work for Fisheries Division Consultants - Fiscal Year 2016-17.

HDR Engineering, Inc.
Cachuma Project Fisheries Assistance

Exhibit A

Period of Performance and Scope of Work
Fiscal Year 2016-2017
July 1, 2016 through June 30, 2017

I. Period of Performance

The following scope of work is to be completed by HDR Engineering within the Fiscal Year beginning July 1, 2016 and ending June 30, 2017 (FY 2016-2017, or FY17).

II. Scope of Work FY 2016-2017

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

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

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

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

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

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

Task 2: Project Operation and Maintenance Task Estimated Cost: \$ 9,500

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

Task 2.1 Quiota Creek Crossing 1 – O&M technical *Estimated Cost: \$ 1,500*

HDR Engineering will provide technical assistance to COMB corresponding to the performance evaluation of the Quiota Creek Crossing 1 restoration project. Tasks are anticipated to include: one to two site visits per year to survey the facility; refinement of monitoring methods and procedures; hydraulic review of the grade control structures and

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

Task 2.2 Quiota Creek Crossing 2 – O&M technical

Estimated Cost: \$ 1,500

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

Task 2.3 Quiota Creek Crossing 3 – O&M technical

Estimated Cost: \$ 1,500

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

Task 2.4 Quiota Creek Crossing 6 – O&M technical

Estimated Cost: \$ 1,500

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

Task 2.5 Quiota Creek Crossing 7 – O&M technical

Estimated Cost: \$ 1,500

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

Task 2.1 El Jaro Creek at Rancho San Julian project –O&M technical *Estimated Cost: \$ 2,000*

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

Task 3: Habitat Improvements **Task Estimated Cost: \$ 120,000**

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

Task 3.1 Tributary Projects – technical support *Estimated Cost: \$ 20,000*

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

Task 3.2 Quiota Creek Fish Passage Project at Crossing 0 a *Estimated Cost: \$ 30,000*

HDR Engineering will finalize all design and bid documentation then oversee the construction of the Quiota Creek Crossing 0 a Fish Passage Enhancement Project. This will include review and reporting of any requested Requests-For-Information and Change-Orders. Upon completion of the project, the ENGINEER will develop As-Built drawings. (\$30,000)

Task 3.3 Quiota Creek Fish Passage Project at Crossing 4 *Estimated Cost: \$ 30,000*

HDR Engineering will finalize all design and bid documentation then oversee the construction of the Quiota Creek Crossing 4 Fish Passage Enhancement Project. This will include review and reporting of any requested Requests-For-Information and Change-Orders. Upon completion of the project, the ENGINEER will develop As-Built drawings. (\$30,000)

Task 3.4 Quiota Creek Fish Passage Project at Crossing 5 *Estimated Cost: \$ 30,000*

HDR Engineering will work towards final design documents from the current design level to 85% with Santa Barbara County and regulatory agency approval. Upon

completion, final design documents will be wet sealed by a California Registered Professional Engineer and submitted to COMB for project grant proposal writing and construction bidding.

Task 3.5 Salsipuedes Creel Jalama Road Fish Ladder

Estimated Cost: \$ 10,000

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

TOTAL ESTIMATED TASK ORDER COST:

\$ 133,500

**ICF International
Cachuma Project Fisheries Assistance**

Exhibit A

**Period of Performance and Scope of Work
Fiscal Year 2016-2017
July 1, 2016 through June 30, 2017**

I. Period of Performance

The following scope of work is to be completed by ICF International within the Fiscal Year beginning July 1, 2016 and ending June 30, 2017 (FY 2016-2017, or FY17).

II. Scope of Work FY 2016-2017

TASK 1000

BO/FMP Implementation and Technical Support

Task Budget: \$23,000

This task provides support for actions outlined in the Cachuma Project Biological Opinion (BO) and Lower Santa Ynez River Fish Management Plan (FMP). The tasks that are authorized under this budget are outlined below.

1301: BO/FMP Compliance Tasks and Support \$5,000

ICF International will provide assistance as needed with the ongoing BO/FMP compliance and implementation efforts. Tasks include providing technical and analytical support and review of the fisheries monitoring program and any proposed study plans. This may require participation on a science advisory committee to obtain consensus on the recommendations. This estimate includes conference calls plus limited preparation and follow-up per call.

1302: AMC and CC Participation and Technical Support \$4,000

Ms. Baldrige will assist COMB by overseeing of the Adaptive Management Committee (AMC) and the Consensus Committee (CC). This task includes time for Ms. Baldrige to support and participate in AMC meetings as needed. The task is scoped for conference calls, plus preparation and follow-up per call as well as Ms. Baldrige’s participation in face-to-face meetings of the AMC and CC as necessary and up to the budgeted amount.

1307: Review of Fisheries Monitoring Reports \$8,000

ICF International will review as requested any fisheries monitoring reports that are prepared by the Cachuma Project Biology Staff. These reports would be compliance measures for terms and conditions presented in the BO and would include the Annual Monitoring Report and technical memos prepared for Reclamation as well as the AMC, CC or COMB Board. This may include participation on a science advisory committee to discuss comments on the reports under review.

Table 1: Summary of Estimated Fiscal Year 2016-17 ICF International Budget from July 1, 2016 to June 30, 2017.

COMB SOW FY 2016-2017 (7/1/16-6/30/17)		
Task 1000 - BO/FMP implementation and technical support:		
Task 1301	BO compliance tasks and support	\$5,000
Task 1302	AMC and CC participation and technical support	\$4,000
Task 1307	Review of fisheries monitoring reports	\$8,000
Subtotal - Task 1000		\$17,000
TOTAL PROJECT COST		\$17,000

**Northwest Hydraulic Consultants
Cachuma Project Fisheries Assistance**

Exhibit A

**Period of Performance and Scope of Work
Fiscal Year 2016-2017
July 1, 2016 through June 30, 2017**

I. Period of Performance

The following scope of work is to be completed by Northwest Hydraulic Consultants (NHC) within the Fiscal Year beginning July 1, 2016 and ending June 30, 2017 (FY 2016-2017, or FY17). This task provides technical assistance with operation, maintenance and performance reporting of a completed tributary fish passage project designed by NHC.

II. Scope of Work FY 2016-2017

Task 1. Post-project Reporting and Technical Support

Conduct one to three site visits, survey all constructed elements, and take flow measurements related to hydraulic performance of the fish passage project on El Jaro Creek at Cross Creek Ranch. Provide supporting technical information for the annual performance evaluation report using post-construction monitored, surveyed and observed data. Provide recommendations for fish passage structure maintenance and repair as well as erosion control activities. All tasks will be directed by COMB.

The total estimated cost for Task 1 is \$3,000.

TOTAL TASK ORDER COST: \$3,000

**Rauch Communication Consultants, Inc.
Cachuma Project Fisheries Assistance**

Exhibit A

**Period of Performance and Scope of Work
Fiscal Year 2016-2017
July 1, 2016 through June 30, 2017**

I. Period of Performance

The following scope of work is to be completed by Rauch Communication Consultants within the Fiscal Year beginning July 1, 2016 and ending June 30, 2017 (FY 2016-2017, or FY17).

II. Scope of Work FY 2016-2017

Task 1: Website Update Support

Task Estimated Cost: \$1,500

It is assumed that COMB staff will undertake simple updates such as uploading Board agendas and minutes. Rauch Communication Consultants, Inc. (RCC) will be available to assist with regular updates of the COMB and Fisheries Management Plan (FMP) websites as requested and any additions or changes to those web sites that cannot be completed by COMB staff.

This is a not-to-exceed time and materials proposal to cover the Fiscal Year 2016-2017. COMB will only be charged for work actually done. It is possible that final costs will be less. No out-of-scope work will be undertaken without prior written approval from COMB. Out-of-scope work includes additional new tasks, or extra work (hours in excess of those estimated hours that are not due to inefficiencies on our part) on existing tasks, which is requested for reasons beyond RCC's control. RCC rates are \$175 per hour for the senior consultants, \$115 per hour for the associate consultants, \$102 per hour for the graphic designers, \$85 to \$90 per hour for the media and writing specialist, and \$70 per hour for the administrative and production assistance. Outreach support is \$50 per hour. For meetings involving travel, the minimum charge is four hours. Major material costs, including: printing, mailing and advertising expense are billed directly to the client.

TOTAL TASK ORDER COST: \$1,500

**CEQA Consultant
Cachuma Project Fisheries Assistance**

Exhibit A

**Period of Performance and Scope of Work
Fiscal Year 2016-2017
July 1, 2016 through June 30, 2017**

I. Period of Performance

The following scope of work is to be completed by a CEQA Consultant within the Fiscal Year beginning July 1, 2016 and ending June 30, 2017 (FY 2016-2017, or FY17).

II. Scope of Work FY 2016-2017

TASK 1000

BO/FMP Implementation and Technical Support

Task Budget: \$8,000

This task provides support for actions outlined in the Cachuma Project Biological Opinion (BO) and Lower Santa Ynez River Fish Management Plan (FMP). The tasks that are authorized under this budget are outlined below.

1301: BO/FMP Compliance Tasks and Support \$8,000

A CEQA Consultant will provide assistance as needed with the ongoing BO/FMP compliance and implementation efforts. Tasks include providing technical and analytical support and review of the fisheries monitoring program, environmental compliance reporting for restoration projects and any proposed study plans.

**Fisheries Consultant
Cachuma Project Fisheries Assistance**

Exhibit A

**Period of Performance and Scope of Work
Fiscal Year 2016-2017
July 1, 2016 through June 30, 2017**

I. Period of Performance

The following scope of work is to be completed by a Fisheries Consultant within the Fiscal Year beginning July 1, 2016 and ending June 30, 2017 (FY 2016-2017, or FY17).

II. Scope of Work FY 2016-2017

Cachuma Project Biological Opinion and Fish Management Plan: \$7,000

Activities in support of the National Marine Fisheries Service (NMFS) Cachuma Project Biological Opinion (BO) and the Lower Santa Ynez River Fish Management Plan (FMP) include:

Task 1 BO/FMP Compliance Tasks and Support - consultant will provide assists as needed with the ongoing BO/FMP compliance and implementation efforts. Tasks include providing technical and analytical support and review of the fisheries monitoring program and any proposed study plans. This may require participation on a science advisory committee to obtain consensus on the recommendations. This estimate includes conference calls plus limited preparation and follow-up per call as needed.

The estimated budget for Task 1 is **\$2,000**.

Task 2 Review of Fisheries Monitoring Reports – consultant will review as requested any fisheries monitoring reports that are prepared by the Cachuma Project Biology Staff. These reports would be compliance measures for terms and conditions presented in the BO and would include the Annual Monitoring Report and technical memos prepared for Reclamation as well as the AMC, CC or COMB Board. This may include participation on a science advisory committee to discuss comments on the reports under review.

The estimated budget for Task 2 is **\$5,000**.

TOTAL TASK ORDER COST: \$7,000

Hydrology Consultant Cachuma Project Fisheries Assistance

Exhibit A

Period of Performance and Scope of Work Fiscal Year 2016-2017 July 1, 2016 through June 30, 2017

I. Period of Performance

The following scope of work is to be completed by a Hydrology Consultant within the Fiscal Year beginning July 1, 2016 and ending June 30, 2017 (FY 2016-2017, or FY17).

II. Scope of Work FY 2016-2017

TASK 1: BO/FMP IMPLEMENTATION/ TECHNICAL SUPPORT \$10,000

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

- a) **Task 1.1 – BO/FMP Compliance Tasks and Technical Support (\$3,000)**
The consultant will provide support for ongoing BO/FMP compliance and implementation efforts, specifically regarding technical and analytical support and review of the fisheries monitoring program and any proposed study plans. This may require participation on a science advisory committee to obtain consensus on the recommendations. This estimate includes conference calls plus limited preparation and follow-up per call as needed.

- b) **Task 1.2 – Review of Fisheries Monitoring Reports (\$7,000)**
Consultant will review as requested any fisheries monitoring reports that are prepared by the Cachuma Project Biology Staff. These reports would be compliance measures for terms and conditions presented in the BO/FMP and would include the Annual Monitoring Report and technical memos prepared for Reclamation as well as the AMC, CC or COMB Board. This may include participation on a science advisory committee to discuss comments on the reports under review.

TASK 2: SANTA YNEZ RIVER HYDROLOGY SUPPORT \$8,000

- a) **Task 2.1 – Hydrologic Support for the Fisheries Program (\$8,000)**
This task provides hydrologic support for analyzing operations in the SYR basin and operations for the Fisheries Program. Tasks include any technical

refinements for miscellaneous studies involving hydrologic compliance with the BO/FMP specifically regarding Bradbury Dam operating criteria and meeting target flows. Hence, this task includes making sure current releases are meeting BO target flows at Alisal and Highway 154 bridges, and evaluation for possible passage releases, and possible revisions to passage supplementation and 1.5 cfs target flow protocols.

TOTAL TASK ORDER COST: \$18,000

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	July 25, 2016
Submitted by:	Tim Robinson
Approved by:	Janet Gingras

SUBJECT: Purchase of Fluidigm Equipment for Genetic Analysis Laboratory Supplies

SUMMARY:

The Cachuma Project Biological Opinion (BO) requires annual migration monitoring of the endangered southern steelhead (*Oncorhynchus mykiss*, *O. mykiss*). Small tissue samples are taken from many of those captured fish and are sent to the NOAA-NMFS Southwest Fisheries Science Center in Santa Cruz California for genetics (DNA) analyses. The results provide extremely valuable information regarding the origin and family history of each of those captured and sampled fish. In addition, the results are incorporated into the West Coast Genetics Inventory that allows for origin determination of *O. mykiss* specifically their natal stream in comparison to the location of capture. This critical monitoring and analytical process has been ongoing since prior to issuance of the BO in 2000.

In consideration of the analytical work, COMB purchases laboratory supplies (specifically nano-fluidic genotyping arrays) from Fluidigm, supplier to Genetics Lab at the NOAA-NMFS Southwest Fisheries Science Center, which are necessary to process samples for DNA analyses. This is an annual expenditure necessary to comply with the monitoring requirements of the BO. The Fluidigm quote is for \$13,800.00 (not including sales tax and shipping). Attached is the annual letter confirming the collaborative agreement between NOAA-NMFS Southwest Fisheries Science Center and COMB which describes the biological parameters to be analyzed and evaluated.

FINANCIAL IMPACT:

Fiscal Year 2015-16 adopted budget contains funding for this expenditure.

COMMITTEE STATUS:

The Fisheries Committee reviewed this item at the July 19th Fisheries Committee meeting and forwards to the Board a recommendation to approve.

RECOMMENDATION:

The Board authorize the General Manager to approve the annual purchase order for laboratory supplies from Fluidigm in an amount not-to-exceed \$15,000.

LIST OF EXHIBITS:

1. NMFS June 14, 2016 collaborative agreement letter



National Marine Fisheries Science Center

Southwest Fisheries Science Center
University of California Santa Cruz Marine Sciences Campus
110 Shaffer Rd. Santa Cruz, CA 95060

Janet Gingras, General Manager
Cachuma Operations and Maintenance Board (COMB)
3301 Laurel Canyon Road
Santa Barbara, CA 93015

June 14, 2016

Re: Collaboration on genetic monitoring of steelhead in Santa Ynez River

Dear Janet–

I am writing to confirm our agreement to collaborate again in 2016 with COMB on the genetic monitoring and evaluation of steelhead in the Santa Ynez River basin. Per our previous agreement, we will provide the COMB program staff with molecular genetic marker analysis to determine the origin of both adult and juvenile steelhead sampled by your staff, as well as periodic evaluations of other biological parameters, such as migration, growth and population size.

In consideration of our efforts and expenses on this project, I request that you contribute laboratory supplies necessary for the genetic evaluation portion of the project. Specifically, I am requesting that you provide approximately \$15,000 worth of nano-fluidic genotyping arrays for the project this year as a contribution to this collaborative project. These single-use arrays are the only ones that work with our advanced Fluidigm genotyping instruments.

We look forward to continuing our more than 10 year collaboration with COMB biologists on monitoring and evaluation of this important fish population.

Please don't hesitate to contact me if you need further information regarding this matter.

Sincerely,

Dr. John Carlos Garza
Molecular Ecology and Genetics Analysis Team Leader
NOAA Southwest Fisheries Science Center
and
Adjunct Professor
Department of Ocean Sciences
University of California Santa Cruz
110 Shaffer Rd. Santa Cruz, CA 95060
Tel. 831-420-3903
carlos.garza@noaa.gov, carlosjg@ucsc.edu

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	July 25, 2016
Approved by:	Janet Gingras

SUBJECT: Emergency Pumping Facility Project
Cushman Contracting Corporation Change Order Request

SUMMARY

The attached memo prepared by Project Engineer, Dan Ellison of HDR Engineering, Inc. (HDR) summarizes Cushman Contracting Corporation's (CCC's) request for a change order in relation to: (1) the construction delay cause by the Sherpa Fire, (2) additional operational and maintenance expenses associated with COMB's preferred site 2 location, and (3) boater passage risk/concerns around the pumping facility. The request also includes consideration for the installation of log booms and additional electrical conductors provided to expedite the relocation of the facility.

While the contractor contends that the alternate location created additional exposure of the pump barge system to wind and wave action, the preferred site 2 location was chosen by COMB to provide additional safety protection from public access at the County Park. In addition, access to electrical power already established within a non-public use area of the Park was also of benefit.

FISCAL IMPACTS:

The Change Order requested amount is contained in the FY 2015-16 adopted budget and will be carried forward for payment if approved by the Board.

LEGAL CONCURRENCE:

General Counsel has review the proposed contract change order.

COMMITTEE STATUS:

The Operations Committee reviewed the change order request at the July 14th Operations Committee meeting and forwards to the Board a recommendation to approve.

RECOMMENDATION:

Board authorize the General Manager to sign Change Order No. 13 for Cushman Contracting Corporation in an amount not-to-exceed \$52,643 for costs associated with the construction delay due to the Sherpa Fire, additional operational and maintenance expense affiliated with the site 2 location, electrical conductors, and boater passage concerns. In addition, the no-cost portion of the Change Order will reflect a reduction in Liquidated Damages from \$25,000 per day to \$10,000 per day, which includes a provision with a forty-eight hour grace period.

LIST OF EXHIBITS:

1. HDR Technical Memorandum date July 11, 2016

Memo

Date: Monday, July 11, 2016

Project: COMB – Emergency Pumping Facility

To: Janet Gingras, General Manager, COMB

From: Dan Ellison, PE

Subject: Change Order Issues Related to Barge Site 2

This memo discusses change order issues associated with: (1) a construction delay caused by the Sherpa Fire, (2) additional operational and maintenance expenses associated with COMB's preferred Site 2 location, and (3) a requirement for boater passage around the pumping facility and additional electrical conductors.

A change order to resolve all 3 issues is recommended.

Background

In May, COMB approved a change order of \$35,179 related to permit delays associated with relocation of the pumping barge to Site 2 which included idle equipment charges and double handling of additional pipeline and mooring pile materials. This change order was recommended in a memo dated May 5, 2016, which also indicated that issues (2) and (3) above were not fully resolved.

On June 29th, Cushman Contracting Corporation (CCC) successfully relocated the barge and returned it to operations in less than 12 hours, well within the 48-hour period allowed by the contract. This relocation was delayed by one week, at the request of COMB due to the Sherpa Fire, so as to not jeopardize fire fighting efforts.

Detailed Discussion

(1) Sherpa Fire Delay Claim

CCC was fully ready to relocate the barge on Wednesday, June 22—a date that had been scheduled well in advance and preferred by the member agencies. The one week delay in work caused by the Sherpa Fire meant that equipment stationed at the site was idle. CCC has submitted a claim for \$21,585 for the cost of this idle equipment and some minor travel cost associated with their engineers. This idle equipment was subsequently used to move the facilities, and the rates quoted by CCC are considered reasonable. Payment of this claim is therefore recommended.

(2) Additional O&M Expenses Associated with Preferred Site 2 Location

The change order for COMB's preferred Site 2 location covered the extended pipeline and piling purchase and installation costs but did not include additional O&M expenses. CCC claimed added costs for both operating the pumping barge and for maintenance of the additional pipe. A

major contention of CCC was that COMB's preferred site created greater exposure to wind and wave action than the site originally proposed by CCC for Site 2. This exposure, along with the added length of pipeline, entailed additional risks that CCC felt should be compensated. As a result of several meetings and correspondence, their original request of \$52,000 plus an added monthly charge of \$12,280 had been reduced to a monthly added cost of \$4,800 for rental of two barge support spuds and the added risk associated with the extra pipe.

Through negotiations over the last two months, CCC has agreed to accept these costs and risks at no added cost to COMB provided that liquidated damages in the contract are modified. Proposed modifications to the liquidated damages are a reduction in damages assessed each day and the provision for a grace period before liquidated damages are assessed. The proposed reduction in the daily damage rate is from \$25,000 down to \$10,000 and the proposed grace period is 48 hours. In addition to these liquidated damage provisions, COMB retains the right to call another contractor for assistance and back-charge CCC, should CCC fail to respond promptly and effectively to an outage.

Because the facility has operated successfully for nearly a year and CCC has met or exceeded its contract obligations, and because CCC has agreed to forego these other changes, a no-cost change order with reduction of the liquidated damages to \$10,000 and additional grace period to 48 hours is recommended.

(3) Boater Passage Around the Facility and Additional Electrical Conductors

With the barge positioned at Site 2, the pipeline extends across the lake, creating an impediment to boating. CCC was instructed to design their facility to allow boater passage around the pump station and over the electrical cables that extend from the shore to the barge. To prevent damage to the cables from boat anchors, CCC will design and provide a mat over the cables and assume all responsibility for their protection. The cost for cable protection is \$12,000. Additionally, log booms were installed to direct boaters away from the pipeline into a passage channel. CCC also procured a new set of electrical conductors to facilitate the swift relocation from Site 1 to Site 2. These conductors will enable a similarly swift relocation to Site 1, if and when this becomes necessary and provide additional redundancy should existing cables be damaged. The conductors are over 900 feet in length. The total value of the additional log booms and cables, including installation is \$19,058. The current contract does not include requirements for boat passage nor did it require the extra set of conductors, which provide benefit to COMB. Through negotiations, CCC has agreed to accept all responsibility for boater damage and leave these cables on site for the duration of the project for a total change order cost of \$31,058. This cost is considered reasonable, and a change order in this amount is recommended.

Project Status

The pump station has been operating satisfactorily at Site 2 since it was moved on June 29th. Operations are expected to continue indefinitely. Alternatives for installing the pipeline on the bottom of the lake will be forthcoming to the Board.

Conclusions

To resolve several changed conditions, the following change orders are recommended:

(1) Compensation for idle equipment due to Sherpa Fire	\$21,585
(2) Additional O&M Expenses Associated with Preferred Site 2 Location	No Cost*
(3) Boater Passage Around the Facility and Additional Electrical Conductors	<u>\$31,058</u>
	<u>\$52,643</u>

* Provided liquidated damages decrease from \$25,000 per day to \$10,000 per day, and a 48-hour grace period is allowed before damages apply.

* * *

HDR appreciates the opportunity to work on this important project. If there are any questions regarding this memo, please don't hesitate to call or email.

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	July 25, 2016
Approved by:	Janet Gingras

SUBJECT: **Emergency Pumping Facility Project**
HDR Engineering, Inc. Proposal: FY 2016-17 Project Engineering Services

SUMMARY

The attached proposal provides for continuation of HDR Engineering Inc.'s (HDR's) professional engineering services to support the Emergency Pumping Facility Project (EPFP) for Fiscal Year 2016-17. The scope of work includes facilitating the continued execution of the Design, Build, Operate and Maintain (DBOM) contract, reviewing ongoing conditions, project management and applicable engineering services, site meetings and preparation of technical memorandums, identifying solutions to project challenges, and undertaking possible pipeline sinking and future facility acquisition. The cost of the professional services as directed by COMB and provided by HDR for FY 2016-17 is an amount not-to-exceed \$78,454. The approved budget contains funding for this line item.

FISCAL IMPACTS:

Contract amount is included in the FY 2016-17 adopted budget.

COMMITTEE:

The Operations Committee reviewed the proposal at the July 14th Operations Committee meeting and forwards to the Board a recommendation to approve.

RECOMMENDATION:

Board authorize the General Manager to sign a Professional Services Agreement with HDR Engineering, Inc. in an amount not-to-exceed \$78,454 for ongoing engineering and project management services related to the Emergency Pumping Facility Project.

LIST OF EXHIBITS:

1. HDR Proposal for Professional Engineering Services – COMB Emergency Pumping Facility Project FY 2016-17



June 29, 2016

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

Sent Via Email: jgingras@cachuma-board.org

RE: **Proposal for Continued Professional Engineering Services
COMB Emergency Pumping Supply Facility**

Dear Ms. Gingras:

HDR appreciates the opportunity to continue to work on this important project for COMB. In the coming year, COMB may need to address several difficult questions regarding the future operations of the emergency pumping facility:

- Should COMB exercise contract options to purchase the barge or pipeline?
- Should any of the facility be permanently installed at the lake?
- When the lake eventually refills, at what point should the barge/pipeline be removed, and how will facilities be maintained in the interim?
- If the lake continues to recede, should the pipeline be extended to CCWA's pipeline, and when should this occur?

HDR proposes to continue to assist COMB with these and other difficult questions for Fiscal Year 2016-17. As in the last year, HDR activities would be carried out on an as-needed basis, as directed by COMB, and will include regular coordination with the project team to identify needs and address challenges as they arise. Services anticipated for the next year are described below.

Scope of Services:

The following services are expected to be required of HDR as part of on-going operations of the emergency pumping facility:

- Perform regular communication with COMB, Cushman Contracting Corporation (CCC), and others as needed to facilitate the transfer of information, address project needs, and identify solutions to project challenges;
- Prepare reports and technical memoranda addressing issues identified by COMB, to support decisions regarding EPF operations and possible facility acquisition;

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- Attend meetings and site visits to review conditions, resolve project challenges with other project participants, address information needs with member agencies or regulatory agencies, and/or observe construction, maintenance, or operations activities;
- Prepare for and participate in meetings with the COMB Board and/or Member Unit Agency staff to discuss technical aspects of the project or to coordinate specific project events such as short-term facility shut-downs;
- Coordinate with COMB regarding CEQA and permit issues relating to pumping barge operations, CCWA pipeline connections, or permanent pipeline installation;
- Evaluate cost proposals from CCC regarding permanent installation of the pipeline and other possible change-order items, and provide opinions regarding justification and reasonableness of cost;
- Advise COMB regarding DBOM contract administration, including the content and intent of the contract and strategies for protecting COMB's interests;
- Prepare memos, emails, and other electronic correspondence documenting these activities, findings, and miscellaneous recommendations.

Assumptions:

- Because the scope of services will vary depending on COMB's needs, the level of effort is difficult to accurately estimate. The proposed budget for this task assumes an approximate weekly average of 5.5 hours distributed among various HDR technical disciplines. This roughly reflects the effort required for the last year.
- Estimates of travel time, mileage, and other expenses are included in the proposed budget.
- Services required beyond the not-to-exceed budgeted amount will require additional contract modifications as desired by COMB.

Deliverables:

- General technical assistance, assessments, calculations, narratives, tables, figures, and attendance at meetings as requested by COMB. Upon request, deliverables will also include formal reports and technical memoranda.

Compensation, Terms and Conditions

HDR estimates that the services proposed herein can be performed on a time-and-materials basis with a not-to-exceed value of \$78,454. A detailed summary of estimated hours is provided with this proposal as Attachment A. Work will be performed on a time-and-materials basis, under the terms

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and conditions of a mutually acceptable agreement. The approved budget will not be exceeded, unless approved in writing by COMB.

Schedule

The services described herein will be carried forth promptly as required by COMB, will cease when the need for these services ends (as determined by COMB), and will terminate automatically (unless renewed) on June 30th 2017. Should facility operations continue beyond June 30, 2017, HDR will provide another proposal for continued technical assistance, if needed.

Thank you for the opportunity to work on this important, challenging project. We appreciate your business, enjoy our long term working relationship, and look forward to assisting COMB achieve its ongoing goals. Should you have any comments, questions, or recommendations to modify this proposal, please do not hesitate to contact me.

Sincerely,

Dan Ellison, PE
Project Manager

Kip Field, PE
Senior Vice President

Enclosure: Attachment A



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.”

July 25, 2016

General Manager Report

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

Annual Cachuma Project Entitlement Request

On behalf of the Cachuma Project Member Agencies, the County Water Agency submitted the annual allocation request to the U. S. Bureau of Reclamation (Reclamation) for water year 2017 in compliance with the terms and provisions outlined in the Master Contract. Due to the continued drought conditions, no new allocations were requested by the Member Agencies at this time. However, the letter request contained a reservation of rights for the Member Agencies to make a mid-year allocation request should the winter bring inflow that would yield project water. The 2017 Allocation Request was sent to Reclamation on June 27, 2016.

U.S. Bureau of Reclamation Contract Compliance Review

The Bureau of Reclamation (Reclamation) conducts periodic Contract Compliance Reviews of water-related contracts to ensure that the contractors' water use, deliveries, and payments are consistent with contract terms. During a review, Reclamation completes two tasks. First is the examination of annual water delivery records and supporting information or documentation. Second, Reclamation conducts an onsite review of the service area and facilities. The Santa Barbara County Water Agency is one of ten contractors in Reclamation's Mid-Pacific Region selected for review of the water deliveries made during the 2015 water year. A Reclamation review team, including representatives from the Mid-Pacific Regional Office, the South Central California Area Office, and Office of Policy and Administration in Denver will meet with the County, the Member Agencies and COMB staff on August 23rd and 24th to conduct this review. The previous review was conducted in 2012.

Cachuma Member Unit Managers Meeting

The Cachuma Member Unit Managers meeting is hosted monthly by the Santa Barbara County Water Agency and was held on Wednesday, July 6, 2016. The agenda topics included Summer Conservation Messaging and Evaporative Losses Calculations for state and imported water. The discussion regarding evaporative loss calculations was very involved. The formula contained in the Master Contract becomes problematic as the lake continues to decline and no longer can function as an acceptable method. The shared opinion is benefits are derived for all stakeholders if the Member Agencies to continue to deliver and store state water in the lake and not be penalized for doing so.

A separate meeting was scheduled and took place on Friday, July 8th to advance the discussion and included a conference call with Reclamation. An alternative method of accounting for evaporative losses was provided by the County for consideration. The alternative approach distributes the evaporative charges more equitably across the accounts until such time unallocated water is exhausted. Reclamation requested concurrence on the proposed alternative from the Member Agencies and confirmation has been received.

Discussions continue regarding formulating a methodology for allocating the unaccounted-for water in the South Coast Conduit. Unaccounted-for water is the difference between production and deliveries as shown on the monthly Cachuma Project Production and Use Report. Components comprising unaccounted-for water include meter read timing, under-reading meters, evaporative losses from open reservoirs, treatment plant losses, natural toe drain losses, and general system losses. During times of increased storage in the

lake, the unaccounted-for water has essentially been charged to lake storage. Per Reclamation, effective March 1, 2016, the unaccounted-for water is being charged to the Member Agencies to balance out production and deliveries from the system.

A separate meeting of the Member Agency General Managers and technical staff was conducted by COMB on July 21st to discuss the use of a more accurate interim methodology, retroactive to March 1, 2016, while a permanent solution is being developed. The meeting attendees included representatives from all of the Member Agencies on the South Coast. A topic of concern, which will be addressed immediately by COMB, is an analysis of the meters used to calculate the deliveries in the system. COMB will proceed with hiring a consultant to assist with this analysis. In the meantime, the majority of representatives agreed with utilizing the modified July 18th draft methodology (retroactive to March 1, 2016) as an interim approach for allocating the losses in the system. Carpinteria Valley Water District expressed their dissenting opinion.

Operations Division Activities

- Drought Emergency Pumping Facility Project (EPFP)

The EPFP was successfully relocated on June 29th from the original site one location to the alternate site two location near the County Park. The system is currently operating in approximately 40' of lake depth with average flows of 18 mgd for the month of July and three pumps performing at approximately 89% capacity. Cushman Contracting Corporation began the system shut down at 7am on the 29th and re-activated the system with low flows at 6pm that evening. The barge system is protected from boat traffic with the use of buoys surrounding the passage area.

Proposition 84 IRWMP Grant funding in the amount of \$1,037,828 was received by the County of Santa Barbara and submitted to COMB in late June. COMB processed checks to the Goleta Water District and the City of Santa Barbara according to previous Board approval for reimbursement of costs related to the Emergency Pumping Facilities Project.

See Attachment (A) for Emergency Pumping Facility Project expenditure detail.

Right of Way Program Update

The Right of Way (ROW) project intends to make current and identify USBR easement information relative to assets, structures and affected landowners. Ultimately, the goal of the ROW project is a centralized electronic inventory of COMB's South Coast Conduit easements and asset structures, including the identification and geo-referenced mapping of all related parcels. It will reduce ROW oversight costs and provide expedient access to information needed to process land use permits and address encroachments.

The project involves these parallel tasks:

1. Acquisition and organization of documents:
 - a. Both "Grants of Easement" and "Declarations of Taking" were used to acquire the land needed for construction of the SCC and are the primary instrument protecting the pipeline, structures, and guaranteeing access for maintenance. Historically, COMB has not possessed these documents, which prove very helpful in encroachment issues. At present about 95% of the land records have been located and digitized.
 - b. Organization of easement records, historical correspondence, past encroachments and current issues are being digitized and centralized for ease of access.

2. Mapping of all SCC easements
 - a. All easements along the SCC have been mapped in the COMB GIS mapping system, resulting in over 300 individual maps. They were then paired with current SB County parcel maps to “best fit” the easements along the SCC and give the most accurate depiction of easement location possible. This data allows COMB staff to identify possible encroachments and process Land Use Authorizations quickly.
 - b. Currently in process is the development of an indexed Map Book which will allow COMB staff to locate project sites and possible encroachments without the need to use complex GIS software.
 - c. We are working with Spatial Wave on a proposal to bring the new mapping information as well as the entire Land Use/Encroachment process into our pipeline maintenance software. This will automate much of the currently manual permit process as well as provide field maintenance staff the ability to better identify unauthorized encroachments.
3. Public Outreach
 - a. Website changes are in development to better inform and direct land owners planning projects near or inside USBR easements. These include ready access to forms required to apply for Land Use Authorization, answers to frequently asked questions, and the ability to check for the presence of the SCC on a given parcel.
 - b. Draft letter to parcel owners whose land contains the SCC or a related easement has been created in the event COMB wishes to ensure current property owners are aware of the sensitive infrastructure.

Once complete, the ROW Project will assist in protecting the easement, asset structures, enable an informed response to permit requests, facilitate communication with permitting agencies and enable communication with land owners.

Fisheries Division Activities

The Adaptive Management Committee (AMC) provides technical support for the implementation of the 2000 Biological Opinion and Fish Management Plan. The AMC is chaired by Reclamation and is comprised of representatives from National Marine Fisheries Services (NMFS), California Department of Fish and Wildlife (CDFW), United States Fish and Wildlife Service (USFW), Cachuma Conservation Release Board (CCRB), SYRWCD (Parent District), SYRWCD ID#1, and the City of Lompoc. In conjunction with the implementation of the Biological Opinion and Fish Management Plan, COMB staff was invited to participate in (for technical information only) Reclamation conducted AMC meetings during recent months. The discussions have been primarily focused on environmental conditions within the river, the distribution and abundance of *O. mykiss*, flow scenarios, the committees’ concerns for fish and water resources, and immediate and longer term potential actions during this critical drought period.

In anticipation of the WR 89-18 releases scheduled for early July, Reclamation procured and installed four-five thousand gallon storage tanks with appurtenant fixtures at the lower release site of Hilton Creek. The tanks are providing continual low water flows to Hilton Creek to sustain habitat in the lower pools while the releases continue. Reclamation requested monitoring during the releases which has been conducted at two sites downstream of the Stilling Basin and the Long Pool on the Lower Santa Ynez River.

Respectfully Submitted,

Janet Gingras

General Manager

CACHUMA OPERATION AND MAINTENANCE BOARD

MEMORANDUM

DATE: July 25, 2016
TO: Janet Gingras, General Manager
FROM: Dave Stewart, Operations Division Manager
RE: MONTHLY OPERATIONS DIVISION REPORT

Operations

The Annual Work Plan sets forth all activities necessary to ensure system reliability. Consistent with the Plan, Operation and Maintenance staff performs routine maintenance on the distribution and storage system. Staff continually endeavors to improve the system, address deficiencies and identify items to be included in the Infrastructure Improvement Program (IIP).

Lake Cachuma Operations

The total flow from Lake Cachuma into the Tecolote Tunnel for June was 1559.3 acre-feet, for an average daily flow of 51.97 acre-feet. Lake elevation was 664.30 feet at the beginning of the month and 663.37 feet at the end. Storage change decreased 836 acre-feet. CCWA wheeled 1259.3 acre-feet of water to Cachuma Project facilities.

Operation and Maintenance Activities

COMB Staff regularly performs the following duties:

- Weekly Safety meetings
- Weekly Rodent Bait (all reservoirs)
- Weekly Toe Drain and Piezometer reads at Ortega (L23)
- Dam inspection and reports (all reservoirs)
- Structure maintenance per Work Plan
- USA Dig Alert – Responded as necessary to alerts
- Pesticide report to County of Santa Barbara
- Operational tests of generators at the North Portal and at Lauro Yard
- Inspection of fire extinguishers
- Read anodes and rectifier data
- Water samples taken at Lake Cachuma
- Meter calibration and flushing performed on all Venturi meters
- Clean up, Inspection, and tool Inventory of all vehicles
- Clean up and organize service yard and all buildings

Weekly Safety Meetings:

The primary purpose of the weekly safety meetings is to continue educating staff on safe practices in the field and on-site. In the safety meetings, staff is urged to ask questions regarding the topic being discussed and to think of related examples. The discussion also includes how the incident could have been prevented. Regular safety meetings help staff to constantly be aware of safety practices while on the job. The following topics were reviewed this past month:

- ✓ Workplace Safety
- ✓ Eye Protection
- ✓ Safety Data Sheet
- ✓ Emergency Preparedness

COMB Operations Staff specifically performed the following activities:

- Cushman Contracting Corporation (CCC) successfully moved the EPP Barge to Location 2.
- Flow from the EPP Barge was shut off by Operations Crew for less than 48 hours, from June 29th through June 30th.
- To ensure the safety of the South Coast Conduit after the EPP Barge Relocation shutdown, COMB personnel inspected the necessary Air vents from the South Portal to the Lauro yard. These included; 635+06, 619+34, 608+98, 569+30, 525+36, 511+46, 505+05, 498+97, 163+90, 131+54, and 43+95.
- With collaboration from the City of Santa Barbara and Goleta Water District, Operations was able to take water samples of the intrusion water that enters the Tecolote Tunnel. The shutdown provided enough time for the Cachuma flow to diminish, creating a rare opportunity for sampling.
- Operations Crew continues to monitor a small seepage of water weeping out of the asphalt drainage canal at Ortega Reservoir Dam abutment, which was initially discovered by COMB personnel. It was determined that a faulty drain pipe must have been causing water to back up and rise to the surface where the seepage was found. Peter Lapidus Construction, Inc. has begun efforts to locate the faulty drain pipe, and representatives from the USBR have remained on-site to oversee construction and continued monitoring of the seepage.
- The Lateral 1 Meter Replacement Project is in progress with Lash Construction.
- Maintenance was performed in order to expose and inspect all flapper valves on the South Reach and to ensure they are able to operate correctly in an emergency scenario.
- Operations staff continues to assist the Fisheries Division in the construction and maintenance of fish traps during the downstream release.
- CAL FIRE was on-site for four (4) days performing brush clearing and weed abatement at Lauro Reservoir and yard.
- The Operations Division continually inspects all sites, reservoirs, and the South Coast Conduit for items to add to the IIP for future projects.

Additionally, Operations staff has been involved in activities related to the EPFP, IIP, and investigation of the Lower Reach AVAR conditions.

Current IIP projects include:

- Air Vacuum Air Release (AVAR) Valve and Blow-off Structure Rehabilitation & Replacement
- Lauro Stop Valve Replacement
- Development of Protocols for System Isolation
- 2016 Watershed Sanitary Survey Update
- North Portal Access Road
- North Portal Jet Flow Control Valve
- Lauro Tunnel Pipe Supports

PICTURES

Barge Relocation to Site 2



Ortega Reservoir Drain Replacement



Flapper Valve Maintenance

BEFORE



AFTER



Lateral 1 Meter Replacement



CACHUMA OPERATION AND MAINTENANCE BOARD
BOARD MEMORANDUM

DATE: July 25, 2016
TO: Janet Gingras, General Manager
FROM: Tim Robinson, Fisheries Division Manager
RE: MONTHLY FISHERIES DIVISION REPORT

HIGHLIGHTS:

- An operation coordinated by USBR in collaboration with NMFS, CDFW and COMB was conducted to reduce fish flows to Hilton Creek and rescue stranded fish as needed in preparation for the 2016 WR 89-18 releases. The operation was a success and Hilton Creek releases are now being delivered to Hilton Creek by a water truck and storage tanks at the Lower Release Point. 34 *O. mykiss* were rescued during the operation and relocated to deeper habitats within Hilton Creek. Unfortunately, there was 1 *O. mykiss* mortality.

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

LSYR Steelhead Monitoring Elements:

Lake Profiles: Lake Cachuma water quality measurements (temperature, dissolved oxygen concentration solids and turbidity) at one meter intervals from the surface to the bottom of the lake (Lake Profile) are taken once a month, normally from April through December 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.

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

Transfer of Hilton Creek Releases from HCEBS gravity flow to Truck and Tank flow: The Adaptive Management Committee (AMC) requested that U. S Bureau of Reclamation (USBR) work in collaboration with the National Marine Fisheries Services (NMFS), California Department of Fish and Wildlife (CDFW) and COMB to rescue fish in Hilton Creek as the fish releases decreased from the transfer of flow from HCEBS gravity flows to truck and tank flows. The operation was conducted in preparation for the 2016 WR 89-18 releases and was

successfully done on 7/11/16. Flows went from approximately 0.8 cfs from HCEBS gravity to 0.03 cfs from truck and tank flows. 34 steelhead/rainbow trout (*O. mykiss*) were rescued and relocated to deeper habitats within Hilton Creek. Unfortunately there was 1 *O. mykiss* mortality found at first light on the following day. The new system has successfully been providing consistent flows of suitable water quality for the Hilton Creek fisheries since operation began. A special thanks to Reclamation for installing those tanks and securing the water trucks prior to initiating of the WR 89-18 releases.

WR 89-18 Release Monitoring: BiOp required monitoring for the WR 89-18 releases started at the beginning of July as requested by USBR and will continue until after the releases are stopped. WR 89-18 releases began on 7/12/16 after 8 AM and are conducted by the Santa Ynez River Water Conservation District in collaboration with USBR. As requested by USBR and approved by NMFS, migrant trapping is being conducted at two locations (just downstream of the Stilling Basin and Long Pool of the Lower Santa Ynez River mainstem) for the first approximately two weeks of the release (7/12/16 to 7/26/16). As of 7/21/16 at both locations non-native warm water species have been observed and 5 *O. mykiss* were observed (3 at the SB site and 2 at the LP site).

Tributary Project Updates:

Quiota Creek Crossing 0A: COMB received a 2014 CDFW-FRGP Grant for \$671,635 with a landowner construction match of \$50,000. The project and funding was discussed at the 3/1/16 Fisheries Committee and the COMB Board accepted the grant on 3/23/15. Staff and HDR have met several times with the two landowners associated with the project. The downstream landowner at Crossing 0A is in full agreement with the project and designs whereas the upstream landowner at Crossing 0B has declined the project. All resources have now been shifted to Crossing 0A which we plan to construct this fall 2016 pending design approval and acquiring permits. The COMB Board approved the project through Resolution 612 on 5/23/16. Designs have been submitted to the County and CDFW-NMFS for final approval. All permits have been submitted. The project is expected to go to construction after a competitive bid process in the fall of this year.

Quiota Creek Crossing 4: COMB was awarded a 2015 CDFW-FRGP Grant on 3/30/15 for \$938,295 with a COMB construction match of \$50,000. The project and funding was discussed at the 3/1/16 Fisheries Committee and accepted by the COMB Board on 3/28/16. The COMB Board approved the project through Resolution 613 on 6/27/16. Designs have been submitted to the County and CDFW-NMFS for final approval. All permits have been submitted. The project is expected to go to construction after a competitive bid process in the fall of this year.

Quiota Creek Crossing 5: As discussed and recommended by the COMB Board on 3/7/16, staff submitted a 2016 CDFW-FRGP Grant on 3/11/16 for \$893,287 with a COMB construction match of \$50,000. If funded, the project would most likely be built in the fall of 2017 pending design approval and permit acquisition.

Quiota Creek Crossing 8: This project and the required Cooperative Agreement with the County was discussed at the 5/4/16 Fisheries Committee meeting with approval by the Board on 5/23/16 to move forward with the project and the Cooperative Agreement. The County Board of Supervisors approved the Cooperative Agreement on 7/12/16. With a fully executed Cooperative Agreement, the County can then submit a CalTrans grant application to fund the project which should go out within a month. The announcement of grant awards will be expected within a few months after the grant is submitted.

Salsipuedes Creek – Jalama Road Fish Ladder: This project was reviewed by CDFW during a site visit on 6/3/16. CDFW is discussing the recommendations and is looking for funding for the project.

El Jaro Creek – Cross Creek Ranch Fish Passage Facility: This project was reviewed by CDFW during a site visit on 6/3/16. CDFW is discussing the recommendations and is looking for funding for the project.

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

The HCWS and HCEBS are owned, operated and maintained by USBR. The HCEBS was completed at the end of January 2016. An additional contract modification (Mod-005) is in process to have the contractor install security fencing and lighting for the HCEBS. With this system fully operational, USBR can now work on identified repairs to the HCWS which will be scheduled at some point.

Surcharge Water Accounting

The following table summarizes the amount of Surcharge water used to date from each of the three accounts at the end of last month (Table 1). All numbers come from USBR's Daily Operations Report. The start time for the use of the Surcharge Water Accounts was 5/27/11, or the last day of full surcharge. As of May 2012, all of the Fish Rearing Account waters have been used and USBR is now using Project Yield to meet BiOp target flows. A WR 89-18 release began on 7/15/13 and ended on 12/2/13, another began on 8/18/14 and ended on 11/11/14, and the 2015 WR 89-18 release started on 8/3/15 and ended on 9/26/15. 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. What remains of the AMA is 351 acre-feet. There have been no releases from the Fish Passage Supplementation Account (FPSA). Determination of critical drought and the associated accounting and possible usage of the AMA and FPSA have not been finalized and approved by NMFS hence is not reflected in Table 1.

Table 1: Summary of the surcharge water accounting and use of Project Yield.

Accounts*	Allocation	Amount Used**	Amount Remaining
Units:	(acre-feet)	(acre-feet)	(acre-feet)
Fish Passage Supplementation	3,200	0	3,200
Adaptive Management	500	149	351
Fish Rearing***	5,484	5,484	0
Project Yield		14,981	
Total:	9,184	20,614	3,551
* Originally was 9,200 af, 8,942 af in 2008 and 9,184 af in 2013.			
** Values as of 6/30/16.			
*** This water is for meeting required target flows. This is not an official account and is what remains after subtracting the other two accounts.			

Reporting / Outreach / Training

Reporting: Staff continues to work on the draft 2013 and 2014 Annual Monitoring Reports. Staff has been providing information to USBR as requested in support of the recent Adaptive Management Committee meetings and operations requests.

Outreach and Training: Staff continues to work with Quiota Creek and Salsipuedes Creek watershed landowners, interested parties within the Santa Ynez Valley and the County on a variety of fisheries related issues. Staff gave 2 oral presentations at the ESRI Users' Conference in San Diego at the beginning of July. The first was on Story Maps on fish passage improvement projects and the second was on the application of GIS technologies for steelhead and water quality monitoring. Both talks were well received.

Consultant Activity Summary:

HDR Fisheries Design Center (Mike Garelo) – Design and reporting work for the Quiota Creek Crossings 0, 4, 5 and 8 projects.

Stetson Engineers (Ali Shahroody) – Santa Ynez River hydrological analyses.

Cardno (Jean Baldrige) – BiOp compliance tasks and support.

Hanson Environmental (Chuck Hanson) – BiOp compliance tasks and support.

COM3 Consulting (Gerald Comati) – Quiota Creek Crossing 8 CalTrans grant application.

CACHUMA OPERATION & MAINTENANCE BOARD

BOARD MEMORANDUM

Date:	July 25, 2016
Submitted by:	Tim Robinson and Scott Volan
Approved by:	Janet Gingras

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

SUMMARY:

Maintenance

This memorandum on the Lake Cachuma Oak Tree Restoration Program reflects maintenance completed since July 20, 2016 to the present (11/1/15 – 7/20/16, Table 1). Labor and expenses for the entire fiscal year (July 2016 - June 2017) as well as water usage will be tracked separately but not reported as recommended by the COMB Board 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 inventory of all trees planted has been presented to the Lake Cachuma Oak Tree Committee at its 2/25/16 meeting as well as the 2015 Lakeshore Survey, which sets the mitigation number for 2015. Both the 2014 Annual Report and 2015 Lakeshore Survey have been completed and distributed to the COMB Board.

Table 1: Cachuma Oak Tree Program completed tasks since 7/20/16.

	Nov 2015*	Dec 2015*	Jan 2016	Feb 2016**	March 2016	April 2016	May 2016	June 2016	July 2016
Year 8 Oaks (2015-2016)		New Trees	New Trees	New Trees	Irrigated	Irrigated	Irrigated	Irrigated	Irrigated
		Gopher Baskets	Gopher Baskets	Gopher Baskets	Weeded		Weeded	Weeded	Weeded
		Fert/Comp	Fert/Comp	Fert/Comp					
		Deer Cages	Deer Cages	Deer Cages					
		Mulch/Irrigated	Mulch/Irrigated	Mulch/Irrigated					
Year 7 Oaks (2014-2015)				Weeded	Irrigated	Irrigated		Irrigated	Irrigated
				Mulched	Mulched	Weeded		Weeded	Weeded
					Weeded			Mulched	Mulched
Year 6 Oaks (2010-2011)							Irrigated		
							Weeded		
Year 5 Oaks (2009-2010)									
Year 4 Oaks (2008-2009)	Irrigated				Cage maint.		Irrigated		
	Fertilized								
	Cage maint.								
Year 3 Oaks (2007-2008)	Irrigated				Cage maint.		Irrigated		
	Fertilized								
	Cage maint.								
Year 2 Oaks (2006-2007)	Fertilized						Irrigated		
Year 1 Oaks (2005-2006)	Fertilized							Irrigated	Irrigated

*November and December work included annual oak tree inventory.

**February work included Year 8 oak tree inventory.

The planting of new oak trees (Year 8) during the fall of 2015 and winter of 2016 was completed in February. Approximately 807 new oak trees were planted. The Fisheries Division completed another round of irrigation, mulching and weeding of the Year 7 and Year 8 oak trees. Maintenance has included irrigating, weeding, mulching, and cage maintenance at multiple locations. The Fisheries Division has been running two separate watering crews in order to meet the needs of so many oak trees in the ground. They have been using the existing water truck/trailer, as well as our newly acquired 2,000 gallon water truck.

Some COMB Board members inquired about oak tree pest management particularly at Lake Cachuma County Park. Staff worked with our consulting arborist and produced a memo entitled "Risk of Pest Infestation to Mitigation Trees of the Lake Cachuma Oak Tree Restoration Program" that was distributed to the Board during the 5/23/16 Board meeting. County Park staff has been trained in pest identification and Best Management Practices, They have put up fliers, provide brochures and conduct public outreach to Park visitors particularly of the risk of introducing pests through imported firewood. COMB staff is in further discussion with Park managers to encourage further vigilance, management practices and public outreach.

RECOMMENDATION:

For Board information only.

LIST OF EXHIBITS:

N/A

15-16 ENTITLEMENT

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF MARCH 2016 AND THE WATER YEAR TO DATE**

Revised 7/22/2016

(All in rounded Acre Feet)

	MONTH					YTD
	TOTAL					TOTAL
WATER PRODUCTION:						
Cachuma Lake (Tec. Diversion)				782		6,413
Tecolote Tunnel Infiltration				39		403
Cachuma Lake (County Park)				1		8
State Water Diversion Credit				576		1,962
Bishop Ranch Diversion				0		0
Meter Reads				276		4,539
So. Coast Storage gain/(loss)				(56)		(48)
Total Production				822		6,824
Total Deliveries				795		6,454
Unaccounted-for				27		370
% Unaccounted-for				3.30%		5.42%
	GWD	SB CITY	MWD	CVWD	SYRWCD	TOTAL
					I.D. #1	
WATER USE:						
M&I	0	131	125	0	1	257
Agricultural	0	0	9	0	0	9
	0	131	134	0	1	266
Unaccounted Reconciliation~						
M&I	0	16	8	0	0	24
Agriculture	1	0	1	1	0	3
Total Unaccounted	1	16	9	1	0	27
Total for Month	1	147	142	1	1	293
Same Mo/prev. yr	0	90	0	0	2	92
M&I Yr to date	1,034	1,867	843	123	7	3,874
Ag. Yr to date	414	0	90	177	0	681
TOTAL YTD	1,448	1,867	932	300	7	4,555
USAGE % YTD	66.8%	42.4%	26.7%	25.8%	13.2%	40.4%
Previous Year/YTD	1,543	887	0	483	9	2,922
Evaporation #	0	0	0	0	0	0
Evaporation, YTD	0	0	0	0	0	0
Entitlement ***	0	0	0	0	0	0
Carryover	2,168	4,399	3,486	1,165	56	11,274
Carryover Balances Spilled YTD	0	0	0	0	0	0
Surplus^^	0	0	0	0	0	0
State Water Exchange^	0	0	0	0	0	0
Unaccounted Credit (SWP report)	1	0	0	0	0	1
Transfers/Adjustment #	0	0	0	0	0	0
Transfers/Adjustment	0	0	0	0	0	0
Passthrough H2O**	0	0	0	0	0	0
TOTAL AVAILABLE	2,168	4,399	3,486	1,165	56	11,275
REMAINING BALANCE	721	2,532	2,554	865	49	6,720

*** Per USBR advisory letter dated 7/2/2015 to SB County, zero (0) of entitlement allocated.

** City is operating under pass through mode declared November 2008.

State Water Deliveries for March to Lake Cachuma were: MWD 0 AF; CVWD 0 AF
GWD 596 AF (Morehart 0 AF); City of S.B. 367 AF; and LaCumbre 0 AF; (Ratheon 0 AF).

^ Per SWP Exchange Agrmt GWD received 0 AF; MWD received 0 AF;
City of SB received 0 AF; and CVWD received 0 AF from ID#1 in March 2016.

Per USBR email dated 12/23/2015, evap charged to unallocated water.

~ Reconciliation of unaccounted water - (March 27 AF) See Unaccounted Allocation Worksheet

Unaccounted-for Water Allocations

Based on July 18th Interim Methodology

MARCH 2016

	Acre-feet (AF)
Total Unaccounted-for Water:	27

Lauro Reservoir Evaporation (LE):	7.0
Cater Treatment Plant Loss (CTPL):	0.7
Ortega Toe Drain Loss (OTD):	1.0
Total Identified Loss:	8.7

Pipeline Loss (PL) Remaining (AF):	18.3
---	------

Pipeline Loss (PL) by Use Area:		
Use Area	% System Capacity	Pipeline Loss (AF)
Use Area 1	9%	1.6
Use Area 2	64%	11.7
Use Area 3	5%	0.9
Use Area 4	22%	4.0
Total	100%	18.3

Delivery & Use Amounts	(AF)
GWD Metered Deliveries	194.2
Overlap Amount	24.65
City Metered Deliveries	512.61
Sheffield Pump Strn Production	95.39
MWD Metered Deliveries	133.68
CVWD Metered Deliveries	0

Total Lauro/Cater Use (AF):	646.29
------------------------------------	--------

Lauro & Cater Loss (LE + CTPL) = 7.7 AF		
Agency	% of Loss	Loss (AF)
GWD	4%	0.3
City	76%	5.8
MWD	21%	1.6
CVWD	0%	0.0

Use Area 1			
Agency	Deliveries (AF)	DEL %	Loss (AF)
GWD	218.85	26%	0.4
City	487.96	58%	1.0
MWD	133.68	16%	0.3
CVWD	0	0%	0.0
Total	840.49	100%	1.6

Use Area 2			
Agency	Deliveries (AF)	DEL %	Loss (AF)
GWD	24.65	4%	0.4
City	487.96	76%	8.8
MWD	133.68	21%	2.4
CVWD	0	0%	0.0
Total	646.29	100%	11.7

Use Area 3			
Agency	Deliveries (AF)	DEL %	Loss (AF)
City	95.39	42%	0.4
MWD	133.68	58%	0.5
CVWD	0	0%	0.0
Total	229.07	100%	0.9

Use Area 4			
Agency	Deliveries (AF)	DEL %	Loss (AF)
MWD	133.68	100%	4.0
CVWD	0	0%	0.0
Total	133.68	100%	4.0

SUMMARY: UNACCOUNTED-FOR WATER ALLOCATIONS

	Lauro & Cater Loss (LE + CTPL)	Ortega Toe Drain (OTD)	Use Area 1	Use Area 2	Use Area 3	Use Area 4	Total (AF)	Rounded Total (AF)
GWD	0.3	0.0	0.4	0.4	0.0	0.0	1.2	1
City	5.8	0.0	1.0	8.8	0.4	0.0	16.0	16
MWD	1.6	0.5	0.3	2.4	0.5	4.0	9.3	9
CVWD	0.0	0.5	0.0	0.0	0.0	0.0	0.5	1
Total	7.7	1.0	1.6	11.7	0.9	4.0	27.0	27

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #75R-1802

Contract Year: 10/1/15 to: 9/30/16
 Revised 7/22/2016

Contract Entity: City of Santa Barbara
 Last updated by C.O.M.B. 3/31/16

Month	Approved Schedule Current Year		Carryover Previous Year	WATER USE CHARGED TO CARRYOVER BALANCES				Allocation		WATER USE CHARGED TO CURRENT ENTITLEMENT		
	M & I	Agr		total	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	667	0	667	0	667	667	667	667	0	0	0	0
Nov	487	0	487	0	487	487	487	487	0	0	0	0
Dec	447	0	447	0	447	447	447	447	0	0	0	0
Jan	34	0	34	0	34	34	34	34	0	0	0	0
Feb	85	0	85	0	85	85	85	85	0	0	0	0
Mar	147	0	147	0	147	147	147	147	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,867	0	1,867	0	1,867	1,867	1,867	1,867	0	0	0	0

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr
Oct	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0
Jan	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0

Month	REMAINING BALANCES	
	M & I	Agr
Oct	3,732	0
Nov	3,245	0
Dec	2,798	0
Jan	2,764	0
Feb	2,679	0
Mar	2,532	0
Apr	2,532	0
May	2,532	0
Jun	2,532	0
Jul	2,532	0
Aug	2,532	0
Sep	2,532	0
Total	2,532	0

TOTAL 2,532

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

Revised 7/22/2016

Contract Entity: Santa Barbara Co. Water Agency
 Last updated by C.O.M.B. 3/31/16

Contract Year: 10/1/15 to: 9/30/16

Month	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT		
	Approved Schedule Current Year	Carryover Previous Year	Total	Evap	Acre-feet		M & I	Agr	Total
					Div	Total			
Oct	0	11274	1,673	0	1,673	1,385	288	0	0
Nov			1,195	0	1,195	1,001	194	0	0
Dec			1,171	0	1,171	990	181	0	0
Jan			121	0	121	115	6	0	0
Feb			103	0	103	102	1	0	0
Mar			291	0	291	281	9	0	0
Apr			0	0	0	0	0	0	0
May			0	0	0	0	0	0	0
Jun			0	0	0	0	0	0	0
Jul			0	0	0	0	0	0	0
Aug			0	0	0	0	0	0	0
Sep			0	0	0	0	0	0	0
Total	0	11274	4,555			3,876	679		4,555

CONVERSIONS

STORAGE WATER		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
M & I	Agr	M & I	Agr	M & I	Agr
2	-2	0	0	9,668	1,606
1	-1	0	0	0	0
1	-1	0	0	0	0
1	-1	0	0	0	0
1	-1	0	0	0	0
1	-1	0	0	0	0
Total	0	0	0	9,668	1,606

COUNTY PARKS

A.F. Used	M & I	Agr	Total
1.61	8,285	1,400	9,685
1.38	7,285	1,205	8,490
1.38	6,296	1,023	7,319
0.97	6,182	1,016	7,198
1.26	6,081	1,014	7,095
1.41	5,801	1,004	6,805
Total	38,875	6,662	45,537

TOTAL 6,719

15-16 ENTITLEMENT

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF APRIL 2016 AND THE WATER YEAR TO DATE**

Revised 7/22/2016

(All in rounded Acre Feet)

	MONTH					YTD
	TOTAL					TOTAL
WATER PRODUCTION:						
Cachuma Lake (Tec. Diversion)				1,208		7,621
Tecolote Tunnel Infiltration				29		432
Cachuma Lake (County Park)				2		10
State Water Diversion Credit				917		2,879
Bishop Ranch Diversion				0		0
Meter Reads				221		4,761
So. Coast Storage gain/(loss)				46		(1)
Total Production				1,239		8,063
Total Deliveries				1,185		7,638
Unaccounted-for				55		425
% Unaccounted-for				4.41%		5.27%
	GWD	SB CITY	MWD	CVWD	SYRWCD	TOTAL
					I.D. #1	
WATER USE:						
M&I	0	0	174	10	2	187
Agricultural	0	0	21	13	0	34
	0	0	195	23	2	221
Unaccounted Reconciliation~						
M&I	0	24	18	3	0	45
Agriculture	5	0	2	3	0	10
Total Unaccounted	5	24	20	6	0	55
Total for Month	5	24	215	29	2	276
Same Mo/prev. yr	0	90	0	0	2	92
M&I Yr to date	1,034	1,891	1,035	136	9	4,105
Ag. Yr to date	419	0	113	193	0	725
TOTAL YTD	1,453	1,891	1,148	329	9	4,831
USAGE % YTD	67.0%	43.0%	32.9%	28.3%	16.4%	42.8%
Previous Year/YTD	1,585	1,172	0	483	14	3,254
Evaporation #	0	0	0	0	0	0
Evaporation, YTD	0	0	0	0	0	0
Entitlement ***	0	0	0	0	0	0
Carryover	2,168	4,399	3,486	1,165	56	11,274
Carryover Balances Spilled YTD	0	0	0	0	0	0
Surplus^^	0	0	0	0	0	0
State Water Exchange^	0	0	0	0	0	0
Unaccounted Credit (SWP report)	6	24	0	0	0	30
Transfers/Adjustment #	0	0	0	0	0	0
Transfers/Adjustment	0	0	0	0	0	0
Passthrough H2O**	0	0	0	0	0	0
TOTAL AVAILABLE	2,168	4,399	3,486	1,165	56	11,274
REMAINING BALANCE	721	2,532	2,338	836	47	6,473

*** Per USBR advisory letter dated 7/2/2015 to SB County, zero (0) of entitlement allocated.

** City is operating under pass through mode declared November 2008.

State Water Deliveries for April to Lake Cachuma were: MWD 0 AF; CVWD 0 AF
GWD 600 AF (Morehart 3 AF); City of S.B. 677 AF; and LaCumbre 0 AF; (Ratheon 3 AF).

^ Per SWP Exchange Agrmt GWD received 0 AF; MWD received 0 AF;
City of SB received 0 AF; and CVWD received 0 AF from ID#1 in April 2016.

Per USBR email dated 12/23/2015, evap charged to unallocated water.

~ Reconciliation of unaccounted water - (April 55 AF) See Unaccounted Allocation Worksheet

Unaccounted-for Water Allocations

Based on July 18th Interim Methodology

APRIL 2016

	Acre-feet (AF)
Total Unaccounted-for Water:	55

Lauro Reservoir Evaporation (LE):	7.0
Cater Treatment Plant Loss (CTPL):	0.7
Ortega Toe Drain Loss (OTD):	1.0
Total Identified Loss:	8.7

Pipeline Loss (PL) Remaining (AF):	46.3
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Pipeline Loss (PL) by Use Area:		
Use Area	% System Capacity	Pipeline Loss (AF)
Use Area 1	9%	4.2
Use Area 2	64%	29.6
Use Area 3	5%	2.3
Use Area 4	22%	10.2
Total	100%	46.3

Delivery & Use Amounts	(AF)
GWD Metered Deliveries	363.17
Overlap Amount	77.44
City Metered Deliveries	525.03
Sheffield Pump Strn Production	105.54
MWD Metered Deliveries	195.46
CVWD Metered Deliveries	52.22

Total Lauro/Cater Use (AF):	772.71
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Lauro & Cater Loss (LE + CTPL) = 7.7 AF		
Agency	% of Loss	Loss (AF)
GWD	10%	0.8
City	58%	4.5
MWD	25%	1.9
CVWD	7%	0.5

Use Area 1			
Agency	Deliveries (AF)	DEL %	Loss (AF)
GWD	440.61	39%	1.6
City	447.59	39%	1.6
MWD	195.46	17%	0.7
CVWD	52.22	5%	0.2
Total	1135.88	100%	4.2

Use Area 2			
Agency	Deliveries (AF)	DEL %	Loss (AF)
GWD	77.44	10%	3.0
City	447.59	58%	17.2
MWD	195.46	25%	7.5
CVWD	52.22	7%	2.0
Total	772.71	100%	29.6

Use Area 3			
Agency	Deliveries (AF)	DEL %	Loss (AF)
City	105.54	30%	0.7
MWD	195.46	55%	1.3
CVWD	52.22	15%	0.3
Total	353.22	100%	2.3

Use Area 4			
Agency	Deliveries (AF)	DEL %	Loss (AF)
MWD	195.46	79%	8.0
CVWD	52.22	21%	2.1
Total	247.68	100%	10.2

SUMMARY: UNACCOUNTED-FOR WATER ALLOCATIONS

	Lauro & Cater Loss (LE + CTPL)	Ortega Toe Drain (OTD)	Use Area 1	Use Area 2	Use Area 3	Use Area 4	Total (AF)	Rounded Total (AF)
GWD	0.8	0.0	1.6	3.0	0.0	0.0	5.4	5
City	4.5	0.0	1.6	17.2	0.7	0.0	24.0	24
MWD	1.9	0.5	0.7	7.5	1.3	8.0	20.0	20
CVWD	0.5	0.5	0.2	2.0	0.3	2.1	5.7	6
Total	7.7	1.0	4.2	29.6	2.3	10.2	55.0	55

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #75R-1802

Contract Year: 10/1/15 to: 9/30/16
 Revised 7/22/2016

Contract Entity: City of Santa Barbara
 Last updated by C.O.M.B. 4/30/16

Month	TOTAL WATER USED		WATER USE CHARGED TO CARRYOVER BALANCES				Allocation		WATER USE CHARGED TO CURRENT ENTITLEMENT	
	M & I	Agr	Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	667	0	0	667	667	667	0	0	0	0
Nov	487	0	0	487	487	487	0	0	0	0
Dec	447	0	0	447	447	447	0	0	0	0
Jan	34	0	0	34	34	34	0	0	0	0
Feb	85	0	0	85	85	85	0	0	0	0
Mar	147	0	0	147	147	147	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0	0
Total	1,867	0	0	1,867	1,867	1,867	0	0	0	0

Month	STORAGE WATER		CONVERSIONS		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr
Oct	0	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	0	0	0	0	0
Jan	0	0	0	0	0	0
Feb	0	0	0	0	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	0
Jul	0	0	0	0	0	0
Aug	0	0	0	0	0	0
Sep	0	0	0	0	0	0
Total	0	0	0	0	0	0

Month	REMAINING BALANCES	
	M & I	Agr
Oct	3,732	0
Nov	3,245	0
Dec	2,798	0
Jan	2,764	0
Feb	2,679	0
Mar	2,532	0
Apr	2,532	0
May	2,532	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Total	2,532	0

TOTAL 2,532

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

Revised 7/22/2016

Contract Year: 10/1/15 to: 9/30/16

Contract Entity: Santa Ynez River Water Conservation District, ID#1
 Last updated by C.O.M.B. 4/30/16

Month	TOTAL WATER USED		WATER USE CHARGED TO CARRYOVER BALANCES				WATER USE CHARGED TO CURRENT ENTITLEMENT		
	M & I	Agr	Evap	Div	Total	M & I	Agr	M & I	Agr
Oct	2	0	0	2	2	2	0	0	0
Nov	1	0	0	1	1	1	0	0	0
Dec	1	0	0	1	1	1	0	0	0
Jan	1	0	0	1	1	1	0	0	0
Feb	1	0	0	1	1	1	0	0	0
Mar	1	0	0	1	1	1	0	0	0
Apr	2	0	0	2	2	2	0	0	0
May	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0
Total	10	0	0	10	10	56	0	0	0

CONVERSIONS

STORAGE WATER		CURRENT SCHEDULE	
M & I	Agr	M & I	Agr
2	-2	0	0
1	-1	0	0
1	-1	0	0
1	-1	0	0
1	-1	0	0
1	-1	0	0
2	-2	0	0

SCHEDULE AND REVISIONS

Total		M & I		Agr	
Begin Bal	56	0	0	56	0
Month					
Oct					
Nov					
Dec					
Jan					
Feb					
Mar					
Apr					
May					
Jun					
Jul					
Aug					
Sep					

COUNTY PARKS

Month	A.F. Used		REMAINING BALANCES	
	Total	M & I	Agr	Total
Oct	1.61	0	54	0
Nov	1.38	0	53	0
Dec	1.38	0	52	0
Jan	0.97	0	51	0
Feb	1.26	0	50	0
Mar	1.41	0	49	0
Apr	2.21	0	47	0
May				
Jun				
Jul				
Aug				
Sep				

*NOTE:

TOTAL 46

15-16 ENTITLEMENT

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF MAY 2016 AND THE WATER YEAR TO DATE**

Revised 7/22/2016

(All in rounded Acre Feet)

	MONTH					YTD
	TOTAL					TOTAL
WATER PRODUCTION:						
Cachuma Lake (Tec. Diversion)				1,333		8,955
Tecolote Tunnel Infiltration				149		581
Cachuma Lake (County Park)				2		12
State Water Diversion Credit				946		3,825
Bishop Ranch Diversion				100		100
Meter Reads				360		5,121
So. Coast Storage gain/(loss)				16		15
Total Production				1,484		9,547
Total Deliveries				1,422		9,061
Unaccounted-for				62		487
% Unaccounted-for				4.17%		5.10%
	GWD	SB CITY	MWD	CVWD	SYRWCD	TOTAL
					I.D. #1	
WATER USE:						
M&I	0	0	228	47	2	277
Agricultural	0	0	25	57	0	82
	0	0	253	104	2	359
Unaccounted Reconciliation~						
M&I	0	24	21	5	0	50
Agriculture	5	0	2	5	0	12
Total Unaccounted	5	24	23	10	0	62
Total for Month	5	24	276	114	2	422
Same Mo/prev. yr	0	90	0	0	2	92
M&I Yr to date	1,034	1,915	1,284	188	11	4,432
Ag. Yr to date	424	0	140	255	0	819
TOTAL YTD	1,458	1,915	1,424	443	11	5,252
USAGE % YTD	67.3%	43.5%	40.9%	38.0%	20.0%	46.6%
Previous Year/YTD	1,585	1,172	0	483	14	3,254
Evaporation #	0	0	0	0	0	0
Evaporation, YTD	0	0	0	0	0	0
Entitlement ***	0	0	0	0	0	0
Carryover	2,168	4,399	3,486	1,165	56	11,274
Carryover Balances Spilled YTD	0	0	0	0	0	0
Surplus^^	0	0	0	0	0	0
State Water Exchange^	0	0	0	0	0	0
Unaccounted Credit (SWP report)	11	48	0	0	0	59
Transfers/Adjustment #	0	0	0	0	0	0
Transfers/Adjustment	0	0	0	0	0	0
Passthrough H2O**	0	0	0	0	0	0
TOTAL AVAILABLE	2,168	4,399	3,486	1,165	56	11,274
REMAINING BALANCE	721	2,532	2,062	722	45	6,081

*** Per USBR advisory letter dated 7/2/2015 to SB County, zero (0) of entitlement allocated.

** City is operating under pass through mode declared November 2008.

State Water Deliveries for May to Lake Cachuma were: MWD 0 AF; CVWD 0 AF
GWD 783 AF (Morehart 3 AF); City of S.B. 522 AF; and LaCumbre 0 AF; (Ratheon 1 AF).

^ Per SWP Exchange Agrmt GWD received 0 AF; MWD received 0 AF;
City of SB received 0 AF; and CVWD received 0 AF from ID#1 in May 2016.

Per USBR email dated 12/23/2015, evap charged to unallocated water.

~ Reconciliation of unaccounted water - (May 62 AF) See Unaccounted Allocation Worksheet

Unaccounted-for Water Allocations

Based on July 18th Interim Methodology

MAY 2016

Acre-feet (AF)	63
Total Unaccounted-for Water:	

Lauro Reservoir Evaporation (LE):	7.0
Cater Treatment Plant Loss (CTPL):	0.7
Ortega Toe Drain Loss (OTD):	1.0
Total Identified Loss:	8.7

Pipeline Loss (PL) Remaining (AF):	54.3
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Pipeline Loss (PL) by Use Area:		
Use Area	% System Capacity	Pipeline Loss (AF)
Use Area 1	9%	4.9
Use Area 2	64%	34.8
Use Area 3	5%	2.7
Use Area 4	22%	11.9
Total	100%	54.3

Delivery & Use Amounts	(AF)
GWD Metered Deliveries	409.46
Overlap Amount	74.49
City Metered Deliveries	536.21
Sheffield Pump Stn Production	128.00
MWD Metered Deliveries	252.87
CVWD Metered Deliveries	104.43
Total Lauro/Cater Use (AF):	893.51

Total Lauro/Cater Use (AF):	893.51
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Lauro & Cater Loss (LE + CTPL) = 7.7 AF		
Agency	% of Loss	Loss (AF)
GWD	8%	0.6
City	52%	4.0
MWD	28%	2.2
CVWD	12%	0.9

Use Area 1			
Agency	Deliveries (AF)	DEL %	Loss (AF)
GWD	483.95	37%	1.8
City	461.72	35%	1.7
MWD	252.87	19%	0.9
CVWD	104.43	8%	0.4
Total	1302.97	100%	4.9

Use Area 2			
Agency	Deliveries (AF)	DEL %	Loss (AF)
GWD	74.49	8%	2.9
City	461.72	52%	18.0
MWD	252.87	28%	9.8
CVWD	104.43	12%	4.1
Total	893.51	100%	34.8

Use Area 3			
Agency	Deliveries (AF)	DEL %	Loss (AF)
City	128	26%	0.7
MWD	252.87	52%	1.4
CVWD	104.43	22%	0.6
Total	485.3	100%	2.7

Use Area 4			
Agency	Deliveries (AF)	DEL %	Loss (AF)
MWD	252.87	71%	8.5
CVWD	104.43	29%	3.5
Total	357.3	100%	11.9

SUMMARY: UNACCOUNTED-FOR WATER ALLOCATIONS

	Lauro & Cater Loss (LE + CTPL)	Ortega Toe Drain (OTD)	Use Area 1	Use Area 2	Use Area 3	Use Area 4	Total (AF)	Rounded Total (AF)
GWD	0.6	0.0	1.8	2.9	0.0	0.0	5.4	5
City	4.0	0.0	1.7	18.0	0.7	0.0	24.4	24
MWD	2.2	0.5	0.9	9.8	1.4	8.5	23.3	23
CVWD	0.9	0.5	0.4	4.1	0.6	3.5	9.9	10
Total	7.7	1.0	4.9	34.8	2.7	11.9	63.0	63

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #75R-1802

Contract Year: 10/1/15 to: 9/30/16

Revised 7/22/2016

Contract Entity: City of Santa Barbara
 Last updated by C.O.M.B. 5/31/16

Month	Approved Schedule		Carryover Previous Year	WATER USE CHARGED TO CARRYOVER BALANCES				Allocation		WATER USE CHARGED TO CURRENT ENTITLEMENT	
	Current Year	Current Year		Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	0	4399	0	0	667	667	667	0	667	0	0
Nov				0	487	487	487	0	487	0	0
Dec				0	447	447	447	0	447	0	0
Jan				0	34	34	34	0	34	0	0
Feb				0	85	85	85	0	85	0	0
Mar				0	147	147	147	0	147	0	0
Apr				0	0	0	0	0	0	0	0
May				0	0	0	0	0	0	0	0
Jun				0	0	0	0	0	0	0	0
Jul				0	0	0	0	0	0	0	0
Aug				0	0	0	0	0	0	0	0
Sep				0	0	0	0	0	0	0	0
Total	0	4399	0	1,867	0	1,867	0	1,867	0	0	0

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULE AND REVISIONS		
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr	
Oct	0	0	0	0	0	0	0	0	
Nov	0	0	0	0	0	0	0	0	
Dec	0	0	0	0	0	0	0	0	
Jan	0	0	0	0	0	0	0	0	
Feb	0	0	0	0	0	0	0	0	
Mar	0	0	0	0	0	0	0	0	
Apr	0	0	0	0	0	0	0	0	
May	0	0	0	0	0	0	0	0	
Jun	0	0	0	0	0	0	0	0	
Jul	0	0	0	0	0	0	0	0	
Aug	0	0	0	0	0	0	0	0	
Sep	0	0	0	0	0	0	0	0	
Total	0	0	0	0	4,399	0	4,399	0	0

Month	REMAINING BALANCES	
	M & I	Agr
Oct	3,732	0
Nov	3,245	0
Dec	2,798	0
Jan	2,764	0
Feb	2,679	0
Mar	2,532	0
Apr	2,532	0
May	2,532	0
Jun	2,532	0
Jul	2,532	0
Aug	2,532	0
Sep	2,532	0
Total	3,732	0

TOTAL 2,532

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

Revised 7/22/2016

Contract Year: 10/1/15 to: 9/30/16

Contract Entity: Santa Ynez River Water Conservation District, ID#1
 Last updated by C.O.M.B. 5/31/16

Month	TOTAL WATER USED		WATER USE CHARGED TO CARRYOVER BALANCES				WATER USE CHARGED TO CURRENT ENTITLEMENT		
	M & I	Agr	Evap	Div	Total	M & I	Agr	M & I	Agr
Oct	2	0	0	2	2	2	0	0	0
Nov	1	0	0	1	1	1	0	0	0
Dec	1	0	0	1	1	1	0	0	0
Jan	1	0	0	1	1	1	0	0	0
Feb	1	0	0	1	1	1	0	0	0
Mar	1	0	0	1	1	1	0	0	0
Apr	2	0	0	2	2	2	0	0	0
May	2	0	0	2	2	2	0	0	0
Jun	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0
Total	12	0	0	12	12	12	0	0	0

CONVERSIONS

STORAGE WATER	MONTHLY SCHEDULE	CURRENT SCHEDULE
M & I	Agr	M & I
2	-2	0
1	-1	0
1	-1	0
1	-1	0
1	-1	0
1	-1	0
2	-2	0
2	-2	0

SCHEDULE AND REVISIONS

Month	M & I	Agr	Total
Begin Bal	0	56	56
Oct	0	0	0
Nov	0	0	0
Dec	0	0	0
Jan	0	0	0
Feb	0	0	0
Mar	0	0	0
Apr	0	0	0
May	0	0	0
Jun	0	0	0
Jul	0	0	0
Aug	0	0	0
Sep	0	0	0
Total	0	56	56

COUNTY PARKS

Month	A.F. Used	M & I	Agr	Total
Oct	1.61	0	54	54
Nov	1.38	0	53	53
Dec	1.38	0	52	52
Jan	0.97	0	51	51
Feb	1.26	0	50	50
Mar	1.41	0	49	49
Apr	2.21	0	47	47
May	2.32	0	45	45
Jun		0		
Jul		0		
Aug		0		
Sep		0		
Total		0	54	54

*NOTE:

TOTAL 44

15-16 ENTITLEMENT

**CACHUMA OPERATION AND MAINTENANCE BOARD
WATER PRODUCTION AND WATER USE REPORT
FOR THE MONTH OF June 2016 AND THE WATER YEAR TO DATE**

(All in rounded Acre Feet)

	MONTH					YTD
	TOTAL					TOTAL
WATER PRODUCTION:						
Cachuma Lake (Tec. Diversion)				1,559		10,514
Tecolote Tunnel Infiltration				97		678
Cachuma Lake (County Park)				3		15
State Water Diversion Credit				1,110		4,935
Bishop Ranch Diversion				0		100
Meter Reads				495		5,617
So. Coast Storage gain/(loss)				(22)		(7)
Total Production				1,659		11,206
Total Deliveries				1,583		10,644
Unaccounted-for				76		562
% Unaccounted-for				4.56%		5.02%
	GWD	SB CITY	MWD	CVWD	SYRWCD	TOTAL
					I.D. #1	
WATER USE:						
M&I	0	0	238	100	3	340
Agricultural	0	0	29	126	0	155
	0	0	267	226	3	495
Unaccounted Reconciliation~						
M&I	0	26	21	9	0	57
Agriculture	5	0	2	12	0	19
Total Unaccounted	5	26	24	21	0	76
Total for Month	5	26	291	247	3	571
Same Mo/prev. yr	0	90	0	0	2	92
M&I Yr to date	1,034	1,941	1,543	298	14	4,829
Ag. Yr to date	429	0	172	393	0	993
TOTAL YTD	1,463	1,941	1,715	690	14	5,822
USAGE % YTD	67.5%	44.1%	49.2%	59.2%	24.4%	51.6%
Previous Year/YTD	1,585	1,172	0	483	14	3,254
Evaporation #	0	0	0	0	0	0
Evaporation, YTD	0	0	0	0	0	0
Entitlement ***	0	0	0	0	0	0
Carryover	2,168	4,399	3,486	1,165	56	11,274
Carryover Balances Spilled YTD	0	0	0	0	0	0
Surplus^^	0	0	0	0	0	0
State Water Exchange^	0	0	0	0	0	0
Unaccounted Credit (SWP report)	16	74	0	0	0	90
Transfers/Adjustment #	0	0	0	0	0	0
Transfers/Adjustment	0	0	0	0	0	0
Passthrough H2O**	0	0	0	0	0	0
TOTAL AVAILABLE	2,168	4,399	3,486	1,165	56	11,274
REMAINING BALANCE	721	2,532	1,771	475	42	5,542

*** Per USBR advisory letter dated 7/2/2015 to SB County, zero (0) of entitlement allocated.

** City is operating under pass through mode declared November 2008.

State Water Deliveries for June to Lake Cachuma were: MWD 0 AF; CVWD 0 AF
GWD 700 AF (Morehart 5 AF); City of S.B. 466 AF; and LaCumbre 85 AF; (Ratheon 5 AF).

^ Per SWP Exchange Agrmt GWD received 0 AF; MWD received 0 AF;
City of SB received 0 AF; and CVWD received 0 AF from ID#1 in June 2016.

Per USBR email dated 12/23/2015, evap charged to unallocated water.

~ Reconciliation of unaccounted water - (June 76 AF) See Unaccounted Allocation Worksheet

Unaccounted-for Water Allocations

Based on July 18th Interim Methodology

JUNE 2016

	Acre-feet (AF)
Total Unaccounted-for Water:	76

Lauro Reservoir Evaporation (LE):	7.0
Cater Treatment Plant Loss (CTPL):	0.7
Ortega Toe Drain Loss (OTD):	1.0
Total Identified Loss:	8.7

Pipeline Loss (PL) Remaining (AF):	67.3
---	-------------

Pipeline Loss (PL) by Use Area:		
Use Area	% System Capacity	Pipeline Loss (AF)
Use Area 1	9%	6.1
Use Area 2	64%	43.1
Use Area 3	5%	3.4
Use Area 4	22%	14.8
Total	100%	67.3

Delivery & Use Amounts	(AF)
GWD Metered Deliveries	561.8
Overlap Amount	59.32
City Metered Deliveries	548.1
Sheffield Pump Strn Production	116.31
MWD Metered Deliveries	266.86
CVWD Metered Deliveries	225.85

Total Lauro/Cater Use (AF):	1040.81
------------------------------------	----------------

Lauro & Cater Loss (LE + CTPL) = 7.7 AF		
Agency	% of Loss	Loss (AF)
GWD	6%	0.4
City	47%	3.6
MWD	26%	2.0
CVWD	22%	1.7

Use Area 1			
Agency	Deliveries (AF)	DEL %	Loss (AF)
GWD	621.12	39%	2.3
City	488.78	30%	1.8
MWD	266.86	17%	1.0
CVWD	225.85	14%	0.9
Total	1602.61	100%	6.1

Use Area 2			
Agency	Deliveries (AF)	DEL %	Loss (AF)
GWD	59.32	6%	2.5
City	488.78	47%	20.2
MWD	266.86	26%	11.0
CVWD	225.85	22%	9.3
Total	1040.81	100%	43.1

Use Area 3			
Agency	Deliveries (AF)	DEL %	Loss (AF)
City	116.31	19%	0.6
MWD	266.86	44%	1.5
CVWD	225.85	37%	1.2
Total	609.02	100%	3.4

Use Area 4			
Agency	Deliveries (AF)	DEL %	Loss (AF)
MWD	266.86	54%	8.0
CVWD	225.85	46%	6.8
Total	492.71	100%	14.8

SUMMARY: UNACCOUNTED-FOR WATER ALLOCATIONS

	Lauro & Cater Loss (LE + CTPL)	Ortega Toe Drain (OTD)	Use Area 1	Use Area 2	Use Area 3	Use Area 4	Total (AF)	Rounded Total (AF)
GWD	0.4	0.0	2.3	2.5	0.0	0.0	5.2	5
City	3.6	0.0	1.8	20.2	0.6	0.0	26.3	26
MWD	2.0	0.5	1.0	11.0	1.5	8.0	24.0	24
CVWD	1.7	0.5	0.9	9.3	1.2	6.8	20.4	20
Total	7.7	1.0	6.1	43.1	3.4	14.8	76.0	76

CACHUMA OPERATION AND MAINTENANCE BOARD
WATER STORAGE REPORT

MONTHS

May 2016

June 2016

GLEN ANNIE RESERVOIR

Capacity at 385' elevation:	518	AF	
Capacity at sill of intake at 334' elevation:	21	AF	
Stage of Reservoir Elevation	333.00	Feet	333.00
Water in Storage	21.82	AF	21.82

LAURO RESERVOIR

Capacity at 549' elevation:	600	AF	
Capacity at sill of intake at 512' elevation:	84.39	AF	
Stage of Reservoir Elevation	547.30	Feet	546.50
Water in Storage	555.99	AF	539.68

ORTEGA RESERVOIR

Capacity at 460' elevation:	65	AF	
Capacity at outlet at elevation 440':	0	AF	
Stage of Reservoir Elevation	445.90	Feet	444.00
Water in Storage	16.11	AF	10.40

CARPINTERIA RESERVOIR

Capacity at 384' elevation:	45	AF	
Capacity at outlet elevation 362':	0	AF	
Stage of Reservoir Elevation	375.90	Feet	376.00
Water in Storage	25.47	AF	25.69

TOTAL STORAGE IN RESERVOIRS

Change in Storage	597.57	AF	575.77
	61.45	AF	-21.80

CACHUMA RESERVOIR*

Capacity at 750' elevation:	184,121	AF	
Capacity at sill of tunnel 660' elevation:	24,281	AF	
Stage of Reservoir Elevation	664.32	Feet	663.37
Water in Storage	27,990	AF	27,154
Surface Area	887		873
Evaporation	629.7	AF	914.9
Computed Inflow	380.9	AF	496.5
Downstream Release WR8918	0.0	AF	0
Fish Release (Hilton Creek)	60.2	AF	53
Outlet	102.8	AF	65
Spill/Seismic Release	0	AF	0
State Project Water	1309.2	AF	1259.3
Change in Storage	-409	AF	-836
Tecolote Diversion	1,333.3	AF	1559.3

June Data

Rainfall: **Month:** 0.00 **Season:** 11.63 **Percent of Normal:** **58%**

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

Contract Year: 10/1/15 to: 9/30/16

Contract Entity: **Goleta Water District**
 Last updated by C.O.M.B. 6/30/16

Month	Approved Schedule		Carryover Previous Year	WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT				
	Current Year	Previous Year		Acre-feet		Allocation		Acre-feet		Allocation		
	M & I	Agri	Total	Evap	Div	Total	M & I	Agri	Total	M & I	Agri	Total
Oct	397	170	567	0	567	567	397	170	567	0	0	0
Nov	319	137	456	0	456	456	319	137	456	0	0	0
Dec	318	106	424	0	424	424	318	106	424	0	0	0
Jan	0	0	0	0	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	30	0	0	0	0	0	0	0	0
Total	1,034	413	1,447									

STORAGE WATER				CONVERSIONS			
M & I		Agri		M & I		Agri	
Month	Agri	M & I	Total	Month	Agri	M & I	Total
Oct	0	0	0	Oct	0	0	0
Nov	0	0	0	Nov	0	0	0
Dec	0	0	0	Dec	0	0	0
Jan	0	0	0	Jan	0	0	0
Feb	0	0	0	Feb	0	0	0
Mar	0	0	0	Mar	0	0	0
Apr	0	0	0	Apr	0	0	0
May	0	0	0	May	0	0	0
Jun	0	0	0	Jun	0	0	0
Jul	0	0	0	Jul	0	0	0
Aug	0	0	0	Aug	0	0	0
Sep	0	0	0	Sep	0	0	0
Total	0	0	0	Begin Bal	0	0	0
				Total	2,168	1,446	722

REMAINING BALANCES			
M & I		AG	
Month	Agri	M & I	Total
Oct	552	1,049	1,601
Nov	415	730	1,145
Dec	309	412	721
Jan	309	412	721
Feb	309	412	721
Mar	309	412	721
Apr	309	412	721
May	309	412	721
Jun	309	412	721
Jul	309	412	721
Aug	0	0	0
Sep	0	0	0
Total	0	0	0

TOTAL 721

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

Contract Year: 10/1/15 to: 9/30/16

Contract Entity: **Montecito Water District**
 Last updated by C.O.M.B. 6/30/16

Month	Approved Schedule Current Year		Carryover Previous Year	TOTAL WATER USED				WATER USED CHARGED TO CARRYOVER BALANCES				WATER USED CHARGED TO CURRENT ENTITLEMENT			
	M & I	Agr		total	Evap	Div	Total	Allocation		M & I	Agr	M & I	Agr	Total	
								M & I	Agr						
Oct	263	34	297	0	297	297	263	34	0	263	34	0	0		
Nov	174	25	199	0	199	199	174	25	0	174	25	0	0		
Dec	177	15	192	0	192	192	177	15	0	177	15	0	0		
Jan	80	6	86	0	86	86	80	6	0	80	6	0	0		
Feb	16	1	17	0	17	17	16	1	0	16	1	0	0		
Mar	133	9	142	0	142	142	133	9	0	133	9	0	0		
Apr	192	23	215	0	215	215	192	23	0	192	23	0	0		
May	249	27	276	0	276	276	249	27	0	249	27	0	0		
Jun	259	32	291	0	291	291	259	32	0	259	32	0	0		
Jul	0	0	0	0	0	0	0	0	0	0	0	0	0		
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total	1,543	172	1,715												

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr
Oct	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0
Jan	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0
Total	0	0	0	0	3,486	263	3,223	0

Month	REMAINING BALANCES	
	M & I	Agr
Oct	3,189	313
Nov	2,990	288
Dec	2,798	273
Jan	2,712	267
Feb	2,695	266
Mar	2,553	257
Apr	2,338	234
May	2,062	207
Jun	1,771	175
Jul		
Aug		
Sep		
Total	3,486	263

TOTAL 1,771

SUMMARY OF WATER USED
CACHUMA PROJECT - CONTRACT #75R-1802

Contract Year: 10/1/15 to: 9/30/16

Contract Entity: **City of Santa Barbara**
 Last updated by **C.O.M.B. 6/30/16**

Month	Approved Schedule		Carryover Previous Year	WATER USE CHARGED TO CARRYOVER BALANCES				Allocation		WATER USE CHARGED TO CURRENT ENTITLEMENT	
	Current Year	Current Year		Evap	Div	Total	M & I	Agr	M & I	Agr	Total
Oct	0	4399	0	0	667	667	667	0	667	0	0
Nov			0	0	487	487	487	0	487	0	0
Dec			0	0	447	447	447	0	447	0	0
Jan			0	0	34	34	34	0	34	0	0
Feb			0	0	85	85	85	0	85	0	0
Mar			0	0	147	147	147	0	147	0	0
Apr			0	0	0	0	0	0	0	0	0
May			0	0	0	0	0	0	0	0	0
Jun			0	0	0	0	0	0	0	0	0
Jul			0	0	0	0	0	0	0	0	0
Aug			0	0	0	0	0	0	0	0	0
Sep			0	0	0	0	0	0	0	0	0
Total	0	4399	0	0	1,867	1,867	1,867	0	1,867	0	1,867

Month	STORAGE WATER		CONVERSIONS		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
	M & I	Agr	M & I	Agr	M & I	Agr	M & I	Agr
Oct	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0
Jan	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0
Total	0	0	0	0	4,399	4,399	0	0

Month	REMAINING BALANCES	
	M & I	Agr
Oct	3,732	0
Nov	3,245	0
Dec	2,798	0
Jan	2,764	0
Feb	2,679	0
Mar	2,532	0
Apr	2,532	0
May	2,532	0
Jun	2,532	0
Jul	2,532	0
Aug	2,532	0
Sep	2,532	0
Total	3,732	0

TOTAL 2,532

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

Contract Entity: Santa Barbara Co. Water Agency
 Last updated by C.O.M.B. 6/30/16

Contract Year: 10/1/15 to: 9/30/16

Month	Approved Schedule Current Year	Carryover Previous Year	TOTAL WATER USED			WATER USED CHARGED TO CARRYOVER BALANCES			WATER USED CHARGED TO CURRENT ENTITLEMENT				
			Use %	Acre-feet		Evap	Acre-feet		M & I	Acre-feet			
				M & I	Agr		Total	Div		Total	M & I	Agr	Total
Oct	0	11274	14.84%	1,385	288	1,673	0	1,673	1,385	288	0	0	0
Nov			10.60%	1,001	194	1,195	0	1,195	1,001	194	0	0	0
Dec			10.39%	990	181	1,171	0	1,171	990	181	0	0	0
Jan			1.07%	115	6	121	0	121	115	6	0	0	0
Feb			0.92%	102	1	103	0	103	102	1	0	0	0
Mar			2.58%	282	9	291	0	291	281	9	0	0	0
Apr			2.18%	207	39	246	0	246	207	39	0	0	0
May			3.48%	303	89	392	0	392	303	89	0	0	0
Jun			4.80%	371	170	541	0	541	371	170	0	0	0
Jul				0	0								
Aug				0	0								
Sep				0	0								
Total	0	11274		4,757	977	5,734							

CONVERSIONS

STORAGE WATER		CURRENT SCHEDULE		SCHEDULE AND REVISIONS	
M & I	Agr	M & I	Agr	M & I	Agr
2	-2	0	0	9,668	1,606
1	-1	0	0	0	0
1	-1	0	0	0	0
1	-1	0	0	0	0
1	-1	0	0	0	0
2	-2	0	0	0	0
2	-2	0	0	0	0
3	-3	0	0	0	0
Total				11,274	1,606

COUNTY PARKS			REMAINING BALANCES		
A.F. Used	M & I	Agr	M & I	Agr	Total
1.61	8,285	1,400	0	0	0
1.38	7,285	1,205	0	0	0
1.38	6,296	1,023	0	0	0
0.97	6,182	1,016	0	0	0
1.26	6,081	1,014	0	0	0
1.41	5,801	1,004	0	0	0
2.21	5,596	963	0	0	0
2.32	5,295	872	0	0	0
2.66	4,927	699	0	0	0
Total	9,601	1,400	0	0	0

TOTAL 5,540

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

MONTH	DELVRD TO LAKE	CWWD		MWD		S.B.		GWD		Evap/Spill		Delvld to SC		LCMWC		RSYS		MLC		
		Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	
2015																				
Bal. Fwld	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January	833	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	789	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	1284	170	52	118	111	3	111	3	111	3	111	3	111	3	111	3	111	3	111	3
April	1152	192	130	111	111	3	111	3	111	3	111	3	111	3	111	3	111	3	111	3
May	658	108	139	95	4	237	762	23	258.7	305	0	0	0	0	0	0	0	0	0	0
June	371	0	50	84	6	0	507	30	224.7	366	0	0	0	0	0	0	0	0	0	0
July	306	0	0	48	2	0	186	21	299.6	306	0	0	0	0	0	0	0	0	0	0
August	40	0	0	0	0	0	0	0	174	35	0	0	0	0	0	0	0	0	0	0
September	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	60	20	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0
December	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5542	490	0	475.7	14	870	0	128	1616	2552	0	1548	0	21	1526	35	140	149	355	15

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

MONTH	DELVRD TO LAKE	CWWD		MWD		S.B.		GWD		Evap/Spill		Delvld to SC		LCMWC		RSYS		MLC		
		Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	Delvld to Lake	Delvld to SC	
2016																				
Bal. Fwld	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January	653	54	38	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	693	0	36	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	965	0	33	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	1283	0	0	29	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	1309	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	1261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6164	54	0	45	9	125	0	74	2765	57	82	14	315	1767	115	0	46	209	9	17