

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

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

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**Monday November 24, 2008**

*Approximate Start Time*  
**3:15 p.m.**

**AGENDA**

1. **COMB CALL TO ORDER, ROLL CALL** (COMB Board of Directors.) (*1 minute*).
2. **PUBLIC COMMENT** (Public may address the Board on any subject matter not on the agenda and within the Board's jurisdiction. See "Notice to the Public" below.) (*5 minutes*)
3. **CLOSED SESSION/CONFERENCE WITH LEGAL COUNSEL ANTICIPATED LITIGATION: SIGNIFICANT EXPOSURE TO LITIGATION PURSUANT TO GOVERNMENT CODESECTION 54956.9(b) (one case).** (*10 minutes*)
4. **CONSENT AGENDA** (For Board action by vote on one motion unless member requests separate consideration.) (*2 minutes*)
  - a. Minutes
    - October 27, 2008 Regular Board Meeting
  - b. Investment of Funds
    - Financial Reports
    - Investment Reports
  - c. Payment of Claims
5. **COMB BOARD ELECTIONS EFFECTIVE DECEMBER 5, 2008** (*5 minutes*)
6. **COMB RESOLUTION NO. 477 COMMENDATION FOR CHUCK EVANS** (To be presented at the Board meeting.) (*5 minutes*)
7. **REPORTS FROM THE MANAGER** (*10 minutes*)
  - a. Cachuma Water Reports
  - b. Operations Report
  - c. 2008 Surcharge Accounting
  - d. Lauro Debris Basin Progress Report

- e. Upper Santa Ynez River Operations Agreement Update
  - f. **Verbal Report – COMB Activities Related to Tea Fire**
  - g. **Verbal Report - Cachuma Reservoir Current Conditions**
8. **AMENDMENT TO BRADBURY DAM SAFETY OF DAMS REPAYMENT AGREEMENT** *(7 minutes)*
  9. **VERBAL REPORT - CACHUMA PROJECT METERING ISSUES IN CARPINTERIA REACH OF SOUTH COAST CONDUIT** *(10 minutes)*
  10. **COMB CAPITAL IMPROVEMENT PROGRAM/BOND ISSUANCE UPDATE** *(10 minutes)*
    - a. CVWD Letter and Memo Regarding COMB CIP Program
  11. **PROPOSAL TO FORM A COMB OPERATING COMMITTEE** *(5 minutes)*
  12. **SANTA BARBARA COUNTY'S INTEGRATED REGIONAL WATER MANAGEMENT PLAN ACTIVITIES** *(10 minutes)*
    - a. Prop 50 IRWMP Project Participant Meeting, November 20, 2008
    - b. DWR Prop 84 Workshop, November 21, 2008
    - c. Prop 84 - Components of New IRWMP MOU
  13. **COMB/CCRB COMMENTS ON DRAFT CACHUMA RMP/EIS** *(10 minutes)*
  14. **DIRECTORS' REQUEST FOR AGENDA ITEMS FOR NEXT MEETING** *(5 minutes)*
  15. **MEETING SCHEDULE**
    - December 15, 2008 following CCRB at 2:15 P.M., COMB Office
    - Availability of Board Packages on COMB Website  
[www.cachuma-board.org](http://www.cachuma-board.org)
  16. **COMB ADJOURNMENT**

NOTICE TO PUBLIC

**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 a public hearing before the Board. The total time for this item will be limited by the President of the Board. If you wish to address the Board under this item, please complete and deliver to the Secretary of the Board before the meeting is convened, a "Request to Speak" forms including a description of the subject you wish to address.

**Americans with Disabilities Act:** In compliance with the Americans with Disabilities Act, if you need special assistance to 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.

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

**MINUTES OF A REGULAR MEETING  
of the  
CACHUMA OPERATION & MAINTENANCE BOARD  
held at the  
Cachuma Operation & Maintenance Board Office  
3301 Laurel Canyon Road, Santa Barbara, CA  
Monday, October 27, 2008**

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**1. Call to Order, Roll Call**

The meeting was called to order at 3:42 p.m. by President Chuck Evans, who chaired the meeting. Those in attendance were:

**Directors present:**

Chuck Evans	Goleta Water District
Das Williams	City of Santa Barbara
Jan Abel	Montecito Water District
Bob Lieberknecht	Carpinteria Valley Water District

**Others present:**

Kate Rees	William Hair
Chip Wullbrandt	Janet Gingras
Charles Hamilton	Brett Gray
Tom Mosby	Alex Keuper
Chris Dahlstrom	David McDermott
Gary Kvistad	Rebecca Bjork
Doug Brown	Dave Houston (via phone)

**2. Public Comment**

There were no comments from the public.

**3. Consent Agenda**

**a. Minutes:**

September 22, 2008 Regular Board Meeting

**b. Investment Funds**

Financial Report  
Investment Report

**c. Payment of Claims**

Director Williams moved to approve the Consent Agenda, seconded by Director Lieberknecht, passed 6/0/1, Director Loudon abstained.

**4. Shawn O'Callahan's Second Place Winner of Opflow Gimmicks & Gadgets Contest**

Ms. Rees introduced Shawn O'Callahan who was the second place winner with his invention of a valve-actuator lock that protects against vandalism. Mr. O'Callahan submitted his invention to AWWA's Opflow Gimmicks and Gadgets contest. The Board congratulated him on his accomplishment.

**5. Capital Improvement Program/Bond Issuance**

**a. Presentation by Doug Brown, Bond Counsel**

Joining the Board meeting was Doug Brown of Stradling, Yocca, Carlson & Rauth, who will be providing bond counsel services, and Dave Houston of Citigroup (via telephone), who will be the underwriter for COMB's CIP bond issuance. They presented an overview of the bond process to the Board and answered questions. The bond will be issued by COMB and COMB will carry the debt on its books. COMB will enter into Joint Participation Agreements with the participating agencies. The COMB Board will need to approve and send out to the market an Official Statement describing the bond issue for potential buyers, along with a description of each of the agencies that will be obligated to repay the bond through COMB. Mr. Brown and Mr. Houston will work with COMB staff and staff from each of the south coast member units to put together the required financial documents for each agency. Because of the recent downturn in the stock market, the Board decided to defer issuing the bond until May or June 2008, and assess the market conditions at that time.

Charles Hamilton, General Manager of Carpinteria Valley Water District, expressed his concern over the timing of the bond issuance given other priorities for his District, as well as the substantial staff time required to prepare the required financial information.

**b. Recommendation regarding hiring a Financial Advisor**

At the September COMB Board meeting, a suggestion was made to consider utilizing the services of a financial advisor to protect COMB's interests throughout the bond issuance process. Staff contacted three companies that provide this type of financial service to public agencies. COMB's CIP committee reviewed the proposals and recommended hiring David Brodsly of Kelling, Northcross, Nobriga to serve as COMB's financial advisor. Ms Rees stated that the estimated cost would be \$70,000 plus a cap of \$2,000 for expenses.

Director Williams moved to approve hiring a financial advisor for the COMB Capital Improvement Projects Bond Issuance and to authorize the General Manager to execute a contract with David Brodsly of Kelling, Northcross, Nobriga to serve as Financial Advisor to COMB, seconded by Director Abel, passed 6/0/1, Director Loudon abstained.

**6. Reports from the Manager**

**a. Operations Report**

Brett Gray's monthly report on operations was included in the board packet.

**b. 2008 Surcharge Accounting**

Ms. Rees included in the board packet the monthly 2008 surcharge water accounting for Cachuma Reservoir. She reported that target flows for fish are currently being provided from Cachuma Project yield because surcharge water for target flows has been depleted. The remaining surcharge water from the 2008 spill is reserved for migration passage flow supplementation.

**c. Bradbury Dam Reservoir Operations Risk Analysis Meeting, October 6 - 10, 2008, Denver, Colorado**

Ms. Rees reported on the workshop she attended at the Bureau of Reclamation's Technical Service Center in Denver regarding the Bradbury Dam Risk Analysis for surcharging Cachuma Reservoir to elevation 753 feet. Reclamation will be issuing a draft report by late November 2008, and a Decision Document by December 2008, so that surcharge operating protocols can be in place for the upcoming rain season.

**d. Upper Santa Ynez River Operations Agreement – Election to Commence Pass Through Operations**

Ms. Rees reported that the City of Santa Barbara has completed a bathymetric survey for Gibraltar Reservoir. The results of the survey indicate that Gibraltar's capacity has been reduced by about 21% due to the Zaca Fire. Because of the loss of reservoir storage capacity, the City has elected to initiate the pass through mode of operations per the Upper Santa Ynez River Operations Agreement, portions of which will be implemented immediately.

**e. Update on COMB/CCRB Comments on Draft Cachuma RMP/EIS**

Ms. Rees reported that the comments on the Draft Cachuma Park RMP/EIS prepared by Reclamation are due October 31, 2008. Ms. Rees will be submitting comments on behalf of CCRB and COMB. These comments will be provided for the Board at the November meeting.

**f. Lauro Debris Basin Progress Report**

Ms. Rees highlighted the staff report on the Lauro Debris Basin Project. The project began October 8<sup>th</sup> and is expected to be completed in early 2009.

**g. Cachuma Reservoir Current Conditions**

**Date 10/27/2008**

Lake elevation	743.54 feet
Storage	169,254 acre feet
Rain (for the month to date)	0.09 inches
Rain YTD (for the season to date)	0.09 inches
Fish Release-Hilton Creek	23.8 acre feet per day
Month to Date Fish Release	642.5 acre feet
Month to Date Spill	0 acre feet
Year to Date Spill	0 acre feet

**h. COMB Electronic Distribution of Board Packages at [www.cachuma-board.org](http://www.cachuma-board.org)**

Ms. Rees reminded the Board that the electronic distribution of board packages would begin in November. The Directors would continue to receive a printed copy of the packet.

**7. Santa Barbara County's Integrated Regional Water Management Plan Prop 50 Grant Activities**

**a. Prop 50 IRWMP Meeting, October 14, 2008**

The agenda for the October 14<sup>th</sup> meeting was included in the board packet as well as the minutes from the September 18<sup>th</sup> meeting.

Ms. Rees reported that the \$25 million grant awarded to the Santa Barbara County Water Agency was to implement 15 projects in the Santa Barbara Countywide IRWMP. The County Water Agency will enter into a master grant agreement with the State Water Resources Control Board on behalf of the project proponents. The County Water Agency must also enter into subgrant agreements with each of the 15 public agencies to assure that the individual project components will be implemented as set forth in the master agreement. The County requires that each project proponent must sign the Prop 50 Implementation MOU (provided in the Board packet) to provide for reimbursement to the County for costs incurred in administering the state master grant agreement.

**b. Consider Resolution No. 476 to Enter Into a Proposition 50 IRWM Subgrant Agreement with Santa Barbara County Water Agency**

Director Williams moved to approve Resolution No. 476 to enter into a Subgrant Agreement with the Santa Barbara County Water Agency committing COMB to meet all requirements under the Proposition 50, Integrated Regional Water Management Implementation Grant Agreement between the State Water Resources Control Board and the Santa Barbara County Water Agency, seconded by Director Evans. A roll call vote was taken, passed 6/0/1, Director Loudon abstained.

**c. Consider MOU for Administration of Santa Barbara Countywide Proposition 50 Grant Funding and Reporting**

Director Williams moved to approve a Memorandum of Understanding with the Santa Barbara County Water Agency for the administration of Proposition 50 grant funding and reporting, seconded by Director Abel, passed 6/0/1, Director Loudon abstained.

**8. Results of 2008 Lake Cachuma Bathymetric Survey**

Ms. Rees included in the board packet a summary of the Lake Cachuma Bathymetric Survey completed by MNS in September 2008. Compared to the last survey completed in 2000, Cachuma Reservoir has experienced a water storage capacity loss of 1,394 acre feet at elevation 750 feet.

**9. Reconsideration of Quagga Mussel Cost Sharing Proposal**

Ms. Rees reported that the COMB Board had discussed providing \$60,000 as a one time payment to the County Parks Department to offset costs for the Quagga mussel inspections and prevention program. A revised projected expenditure sheet is attached which had been provided by Dan Hernandez, County Parks Director.

Director Williams moved to approve a one time \$60,000 contribution contingent upon an indemnification agreement and receiving from the County a written proposal of their program and how it will pay for itself in the future, seconded by Director Evans, passed 6/1/0, Director Abel voted no.

**10. Consider MOU Between COMB and CCRB Regarding the Coastal Conservancy's Grant Agreement with CCRB for Quiota Creek Fish Passage Project at Crossing 6**

This item was discussed during the CCRB meeting so no further discussion was needed.

Director Williams moved to approve the MOU between CCRB and COMB regarding Coastal Conservancy Grant for Quiota Creek Crossing 6 Fish Passage Project as revised, seconded by Director Lieberknecht, passed 7/0/0.

**11. Consider Participating in Santa Barbara Historical Museum's Historic Santa Barbara: An Illustrated History**

Ms. Rees reported that consideration of this item was carried forward from the September Board meeting.

Director Williams moved to enter into an agreement with the Santa Barbara Historical Society to sponsor 2 pages in the profile section of a new book entitled Historic Santa Barbara: An Illustrated History and to approve an expenditure of

approximately \$6,000 for a 2-page spread about the Cachuma Project, seconded by Director Abel, passed 6/1/0, Director Loudon voted no.

**12. Directors' Request for Agenda Items for Next Meeting**

There were no additional items requested.

**13. Meeting Schedule**

- The next regular Board meeting will be held November 24, 2008 following the 2:15 p.m. CCRB regular Board meeting, at the COMB office.

The Agendas and Board Packets are available on the COMB website, [www.cachuma-board.org](http://www.cachuma-board.org)

**14. COMB Adjournment**

There being no further business, the meeting was adjourned at 5:20 p.m.

Respectfully submitted,

\_\_\_\_\_  
Kate Rees, Secretary of the Board

**APPROVED:**

\_\_\_\_\_  
Chuck Evans, President

Approved \_\_\_\_\_

Unapproved \_\_\_\_\_ ✓



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**Balance Sheet**  
 As of October 31, 2008

	Oct 31, 08
<b>ASSETS</b>	
<b>Current Assets</b>	
Checking/Savings	
1050 · GENERAL FUND	16,673.71
1100 · REVOLVING FUND	15,691.99
TRUST FUNDS	
1210 · WARREN ACT TRUST FUND	151,062.27
1220 · RENEWAL FUND	5,018.90
<b>Total TRUST FUNDS</b>	156,081.17
<b>Total Checking/Savings</b>	188,446.87
<b>Other Current Assets</b>	
1010 · PETTY CASH	400.00
1200 · LAIF	2,480,864.57
1300 · DUE FROM CCRB	72,723.63
1303 · SOD Act Assessments Receivable	65,654.00
1400 · PREPAID INSURANCE	13,679.72
1401 · W/C INSURANCE DEPOSIT	3,906.00
<b>Total Other Current Assets</b>	2,637,227.92
<b>Total Current Assets</b>	2,825,674.79
<b>Fixed Assets</b>	
1500 · VEHICLES	322,994.31
1505 · OFFICE FURN & EQUIPMENT	173,989.19
1510 · TRAILERS	97,803.34
1515 · FIELD EQUIPMENT	357,779.46
1525 · PAVING	22,350.00
1550 · ACCUMULATED DEPRECIATION	-739,395.66
<b>Total Fixed Assets</b>	235,520.64
<b>Other Assets</b>	
1910 · LT SOD Act Assess Receivable	6,636,416.07
<b>Total Other Assets</b>	6,636,416.07
<b>TOTAL ASSETS</b>	9,697,611.50
<b>LIABILITIES &amp; EQUITY</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
Accounts Payable	
2200 · ACCOUNTS PAYABLE	680,767.90
<b>Total Accounts Payable</b>	680,767.90
<b>Other Current Liabilities</b>	
2550 · VACATION/SICK	78,503.71
2560 · CACHUMA ENTITLEMENT	-0.01
2561 · BRADBURY DAM SOD ACT	55,917.30
2563 · LAURO DAM SOD ACT	9,737.00
2590 · DEFERRED REVENUE	156,081.17
Payroll-DepPrm Admin	35.00
Payroll-CCRB DepPrm	9.24
Payroll-DepPrm Ops	13.86
<b>Total Other Current Liabilities</b>	300,297.27
<b>Total Current Liabilities</b>	981,065.17
<b>Long Term Liabilities</b>	
2602 · SOD Act Liability-Long Term	5,654,402.07
2603 · LT SOD Act Liability - Lauro	982,014.00
<b>Total Long Term Liabilities</b>	6,636,416.07
<b>Total Liabilities</b>	7,617,481.24
<b>Equity</b>	

10:30 AM  
11/19/08  
Accrual Basis

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**Balance Sheet**  
As of October 31, 2008

	<u>Oct 31, 08</u>
3000 · Opening Bal Equity	0.95
3901 · Retained Earnings	1,813,350.70
Net Income	266,778.61
Total Equity	<u>2,080,130.26</u>
TOTAL LIABILITIES & EQUITY	<u><u>9,697,611.50</u></u>

10:30 AM  
11/19/08  
Accrual Basis

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**Profit & Loss Budget vs. Actual**  
July through October 2008

	Jul - Oct 08	Budget	\$ Over Budget	% of Budget
<b>TOTAL</b>				
Income				
3000 REVENUE				
3001 · O&M Budget (Qtrly Assessments)	1,754,207.00	3,508,414.00	-1,754,207.00	50.0%
3010 · Interest Income	11,357.09			
3020 · Misc Income	7,500.00			
Total 3000 REVENUE	1,773,064.09	3,508,414.00	-1,735,349.91	50.54%
Total Income	1,773,064.09	3,508,414.00	-1,735,349.91	50.54%
Gross Profit	1,773,064.09	3,508,414.00	-1,735,349.91	50.54%
Expense				
3100 LABOR				
3101-A · Ops Supervisor	34,575.66			
3101-H · Holiday Leave	3,984.04			
3101-J · Jury Duty	361.75			
3101-S · Sick Leave	2,141.99			
3101-V · Vacation Leave	10,563.46			
3102 · Meter Reading	1,252.01			
3103 · SCC Ops	65,831.40			
3104 · Veh & Equip Mtce	2,355.49			
3105 · SCADA	1,642.63			
3106 · Rodent Bait	1,749.25			
3107 · NORTH PORTAL				
Total 3107-1 · NP INTAKE TOWER	496.83			
Total 3107-2 · NP CONTROL STATION	257.20			
Total 3107 · NORTH PORTAL	754.03			
3108 · GLEN ANNE				
Total 3108-1 · GA SOUTH PORTAL	297.10			
Total 3108-2 · GA RESERVOIR	114.06			
Total 3108-3 · GA PUMP STATION	558.87			
Total 3108-4 · GA TURNOUT	613.49			
Total 3108 · GLEN ANNE	1,583.52			
3110 · LAURO				
Total 3110-1 · YARD	10,050.51			

ITEM # 46  
PAGE 3

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**Profit & Loss Budget vs. Actual**  
July through October 2008

	TOTAL		
	Jul - Oct 08	Budget	\$ Over Budget
			% of Budget
Total 3110-3 · RESERVOIR	2,434.59		
Total 3110-4 · DEBRIS BASINS	2,129.51		
Total 3110 · LAURO	14,614.61		
3111 · OFFICE			
Total 3111-2 · IMPLANTS	96.45		
Total 3111-3 · MAIN OFFICE	128.60		
Total 3111 · OFFICE	225.05		
3112 · SHEFFIELD			
Total 3112-1 · CONTROL STATION	432.45		
Total 3112-2 · TUNNEL	224.64		
Total 3112 · SHEFFIELD	657.09		
3113 · ORTEGA			
Total 3113-1 · CONTROL STATION	2,581.67		
Total 3113-2 · RESERVOIR	110.94		
Total 3113 · ORTEGA	2,692.61		
3115 · CARPINTERIA			
Total 3115-2 · RESERVOIR	806.88		
Total 3115 · CARPINTERIA	806.88		
3116 · GOLETA REACH			
Total 3116-1 · STRUCTURES	6,108.74		
Total 3116-2 · LATERAL METERS	1,824.63		
Total 3116-3 · VALVES	4,802.26		
Total 3116 · GOLETA REACH	12,735.63		
3117 · CARPINTERIA REACH			
Total 3117-1 · STRUCTURES	325.11		
Total 3117-2 · LATERAL METERS	1,963.15		
Total 3117-4 · CONDUIT	1,430.68		
Total 3117 · CARPINTERIA REACH	3,718.94		
3150 · Health & Workers Comp	54,163.68		

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**Profit & Loss Budget vs. Actual**  
July through October 2008

	Jul - Oct 08	Budget	\$ Over Budget	% of Budget
<b>TOTAL</b>				
3155 · PERS	26,258.42			
3160 · Payroll Comp FICA Ops	10,991.11			
3165 · Payroll Comp MCARE Ops	2,570.52			
3100 LABOR - Other	0.00	854,201.00	-854,201.00	0.0%
<b>Total 3100 LABOR</b>	<b>256,209.77</b>	<b>854,201.00</b>	<b>-597,991.23</b>	<b>29.99%</b>
<b>3200 VEH &amp; EQUIPMENT</b>				
3201 · Vehicle/Equip Mtce	17,284.64	38,000.00	-20,715.36	45.49%
3202 · Fixed Capital	29,413.84	48,000.00	-18,586.16	61.28%
3203 · Equipment Rental	517.60	10,000.00	-9,482.40	5.18%
3204 · Miscellaneous	6,348.33	18,000.00	-11,651.67	35.27%
<b>Total 3200 VEH &amp; EQUIPMENT</b>	<b>53,564.41</b>	<b>114,000.00</b>	<b>-60,435.59</b>	<b>46.99%</b>
<b>3300 · CONTRACT LABOR</b>				
3301 · Conduit, Meter, Valve & Misc	2,308.99	12,000.00	-9,691.01	19.24%
3302 · Buildings & Roads	3,232.56	16,000.00	-12,767.44	20.2%
3303 · Reservoirs	28,124.34	52,000.00	-23,875.66	54.09%
3304 · Engineering, Misc Services	0.00	26,000.00	-26,000.00	0.0%
<b>Total 3300 · CONTRACT LABOR</b>	<b>33,665.89</b>	<b>106,000.00</b>	<b>-72,334.11</b>	<b>31.76%</b>
<b>3400 · MATERIALS &amp; SUPPLIES</b>				
3401 · Conduit, Meter, Valve & Misc	2,542.75	25,000.00	-22,457.25	10.17%
3402 · Buildings & Roads	10,958.27	25,000.00	-14,041.73	43.83%
3403 · Reservoirs	1,002.08	10,000.00	-8,997.92	10.02%
<b>Total 3400 · MATERIALS &amp; SUPPLIES</b>	<b>14,503.10</b>	<b>60,000.00</b>	<b>-45,496.90</b>	<b>24.17%</b>
<b>3500 · OTHER EXPENSES</b>				
3501 · Utilities	1,480.34	6,500.00	-5,019.66	22.77%
3502 · Uniforms	719.86	6,500.00	-5,780.14	11.08%
3503 · Communications	6,390.22	20,000.00	-13,609.78	31.95%
3504 · USA & Other Services	814.71	4,000.00	-3,185.29	20.37%
3505 · Miscellaneous	3,266.65	8,000.00	-4,733.35	40.83%
3506 · Training	4,927.95	8,000.00	-3,072.05	61.6%
<b>Total 3500 · OTHER EXPENSES</b>	<b>17,599.73</b>	<b>53,000.00</b>	<b>-35,400.27</b>	<b>33.21%</b>
<b>4999 · GENERAL &amp; ADMINISTRATIVE</b>				
5000 · Director Fees				
5001 · Director Mileage	360.54			

ITEM # 46  
PAGE 4

**comb2**  
**Profit & Loss Budget vs. Actual**  
July through October 2008

	Jul - Oct 08	Budget	\$ Over Budget	% of Budget
<b>TOTAL</b>				
	3,584.00	12,000.00	-8,416.00	29.87%
Total 5000 - Director Fees	3,944.54	12,000.00	-8,055.46	32.87%
5000 - Director Fees - Other	25,062.28	63,000.00	-37,937.72	39.78%
5100 - Legal	10,879.00	12,000.00	-1,121.00	90.66%
5101-1 - Audit	0.00	7,088.00	-7,088.00	0.0%
5150 - Unemployment Tax	28,814.00	48,000.00	-19,186.00	60.03%
5200 - Liability Insurance	23,730.73	64,240.00	-40,509.27	36.94%
5201 - Health & Workers Comp	11,770.74	33,965.00	-22,194.26	34.66%
5250 - PERS	4,447.74	15,262.00	-10,814.26	29.14%
5260 - Company FICA Admin	1,096.92	1,400.00	-303.08	78.35%
5265 - Company MCARE Admin	16,521.47	50,300.00	-33,778.53	32.85%
5300 - Manager Salary	32,518.89	93,943.00	-61,424.11	34.62%
5301 - Administrative Manager	19,130.40	55,265.00	-36,134.60	34.62%
5306 - Administrative Assistant	3,524.73	10,000.00	-6,475.27	35.25%
5310 - Postage/Office Exp	1,936.95	6,200.00	-4,263.05	31.24%
5311 - Office Equip/Leases	2,205.15	12,000.00	-9,794.85	18.38%
5312 - Misc Admin Expenses	894.02	5,200.00	-4,305.98	17.19%
5313 - Communications	2,559.24	6,000.00	-3,440.76	42.65%
5314 - Utilities	4,784.00	6,850.00	-2,066.00	69.84%
5315 - Membership Dues	700.37	7,000.00	-6,299.63	10.01%
5316 - Admin Fixed Assets	4,426.87	8,000.00	-3,573.13	55.34%
5318 - Computer Consultant	0.00	20,000.00	-20,000.00	0.0%
5319 - Parity Study	219.48	4,500.00	-4,280.52	4.88%
5325 - Emp Training/Subscriptions	1,929.98	5,000.00	-3,070.02	38.6%
5330 - Admin Travel/Conferences	5,551.71	8,000.00	-2,448.29	69.4%
5331 - Public Information	82.08	1,000.00	-917.92	8.21%
5332 - Transportation	206,731.29	556,213.00	-349,481.71	37.17%
Total 4999 - GENERAL & ADMINISTRATIVE	0.00	70,000.00	-70,000.00	0.0%
5510 - Integrated Reg. Water Mgt Plan	21,436.07	50,000.00	-28,563.93	42.87%
6000 - SPECIAL PROJECTS	5,216.06	75,000.00	-69,783.94	6.96%
6062 - SCADA	252,502.96	800,000.00	-547,497.04	31.56%
6090-1 - COMB Bldg/Grounds Repair	39,186.05	450,000.00	-410,813.95	8.71%
6092 - SCC Improv Plan & Design	551,278.27	1,023,494.65	-472,216.38	53.88%
6095 - SCC Valve & Cntrl Sta Rehab				
6095-1 - Lauro Debris Basin Rehab				

10:30 AM  
 11/19/08  
 Accrual Basis

**comb2**  
**Profit & Loss Budget vs. Actual**  
 July through October 2008

	Jul - Oct 08	Budget	\$ Over Budget	% of Budget
<b>TOTAL</b>				
6095-2 · Lauro Debris Basin CR	0.00	-1,023,494.65	1,023,494.65	0.0%
6096 · SCC Structure Rehabilitation	4,738.78	250,000.00	-245,261.22	1.9%
6097 · GIS and Mapping	6,556.26	50,000.00	-43,443.74	13.11%
6098 · Quagga Mussel Research	0.00	20,000.00	-20,000.00	0.0%
6099 · Hydrology Work	0.00	60,000.00	-60,000.00	0.0%
6099-1 · Hydrology Work - CR	0.00	-60,000.00	60,000.00	0.0%
<b>Total 6000 · SPECIAL PROJECTS</b>	<b>880,914.45</b>	<b>1,695,000.00</b>	<b>-814,085.55</b>	<b>51.97%</b>
<b>6400 · STORM DAMAGE</b>				
6402 · Zaca Fire Damage	43,098.08	32,430.19	10,667.89	132.9%
6402-1 · Zaca Fire Damage - CR	0.00	-32,430.19	32,430.19	0.0%
<b>Total 6400 · STORM DAMAGE</b>	<b>43,098.08</b>	<b>0.00</b>	<b>43,098.08</b>	<b>100.0%</b>
<b>PAYROLL</b>				
Gross	1.57			
Gross-CCRB	-2.81			
<b>Total PAYROLL</b>	<b>-1.24</b>			
<b>Total Expense</b>	<b>1,506,285.48</b>	<b>3,508,414.00</b>	<b>-2,002,128.52</b>	<b>42.93%</b>
<b>Net Income</b>	<b>266,778.61</b>	<b>0.00</b>	<b>266,778.61</b>	<b>100.0%</b>

ITEM # 46  
 PAGE 6



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

www.treasurer.ca.gov/pmia-laif  
 November 19, 2008

CACHUMA OPERATION AND MAINTENANCE BOARD

PMIA Average Monthly Yields

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

Account Number:

**Transactions**

Tran Type Definitions

October 2008 Statement

Effective Date	Transaction Date	Tran Type	Confirm Number	Authorized Caller	Amount
10/15/2008	10/14/2008	QRD	1195082	SYSTEM	10,294.36
10/22/2008	10/21/2008	RD	1196851	KATHLEEN REES	650,000.00

**Account Summary**

Total Deposit:	660,294.36	Beginning Balance:	1,830,864.57
Total Withdrawal:	0.00	Ending Balance:	2,491,158.93

**MEMO TO:** Board of Directors  
 Cachuma Operation & Maintenance Board

**FROM:** Kathleen Rees, Secretary

**SUBJECT:** COMB INVESTMENT POLICY

The above statement of investment activity for the month of October, 2008, 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.

*Kathleen Rees, Asst.*  
 Secretary

ITEM # 46  
 PAGE 7



P.O. BOX 1098  
NORTHRIDGE, CA 91328-1098

10140687

**This Statement Covers**

From: 10/01/08  
Through: 10/31/08

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or visit us at **wamu.com**

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



**Your Guaranteed Great Rate Money Market Detail Information**

**CACHUMA OPERATION AND MAINTENANCE BOARD**

**Account Number:**  
**Washington Mutual Bank, CA**

**Your Account at a Glance**

<b>Beginning Balance</b>	<b>\$5,566.90</b>	Interest Earned	\$13.01
Checks Paid	\$24,897.00	Annual Percentage Yield Earned	1.15%
Other Withdrawals	\$0.00	YTD Interest Paid	\$54.52
Deposits	+\$24,362.01	YTD Interest Withheld	\$0.00
<b>Ending Balance</b>	<b>\$5,031.91</b>		

Date	Description	Withdrawals (-)	Deposits (+)
10/03	Customer Deposit		\$15,522.00
10/07	Customer Deposit		\$8,827.00
10/31	Interest Payment		\$13.01

**MEMO TO:** Board of Directors  
Cachuma Operation & Maintenance Board

**FROM:** Kathleen Rees, Secretary

**SUBJECT:** COMB INVESTMENT POLICY

The above statement of investment activity for the month of October, 2008, 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 Washington Mutual Bank investments of this agency for the period indicated.

*Kathleen Rees*  
Secretary

ITEM # 46  
PAGE 8

P.O. BOX 1098  
NORTHRIDGE, CA 91328-1098

10140688

**This Statement Covers**

From: 10/01/08  
Through: 10/31/08

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



**Your Guaranteed Great Rate Money Market Detail Information**

CACHUMA OPERATION AND MAINTENANCE BOARD  
TRUST FUND

Account Number:  
Washington Mutual Bank, CA

**Your Account at a Glance**

<b>Beginning Balance</b>	<i>KE</i> <b>\$38,875.27</b> ✓	Interest Earned	\$73.76
Checks Paid	<i>11-7-08</i> \$0.00	Annual Percentage Yield Earned	1.06%
Other Withdrawals	\$0.00	YTD Interest Paid	\$2,561.98
Deposits	+\$112,260.76	YTD Interest Withheld	\$0.00
<b>Ending Balance</b>	<b>\$151,136.03</b>		

Date	Description	Withdrawals (-)	Deposits (+)
10/17	Customer Deposit		\$112,187.00
10/31	Interest Payment		\$73.76

**MEMO TO:** Board of Directors  
Cachuma Operation & Maintenance Board

**FROM:** Kathleen Rees, Secretary

**SUBJECT:** COMB INVESTMENT POLICY

The above statement of investment activity for the month of October, 2008, 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 Washington Mutual Bank investments of this agency for the period indicated.

*Kathleen Rees*  
Secretary

ITEM # 46  
PAGE 9

7:38 AM

11/19/08

Accrual Basis

comb2

## Payment of Claims

As of October 31, 2008

Date	Num	Name	Memo	Split	Amount
<b>1050 - GENERAL FUND</b>					
10/2/2008	17417	Paradise Chevrolet	2007 Chev Silverado 3500 HD 4x4	2200 · ACC...	-27,771.21
10/2/2008	17418	Acorn Landscape Manage...		2200 · ACC...	-508.30
10/2/2008	17419	ACWA Health Benefits Au...	Oct EAP	2200 · ACC...	-47.46
10/2/2008	17420	Alexander Hamilton Institu...	Personnel Legal Alert 3/16/09-3/1/...	2200 · ACC...	-161.96
10/2/2008	17421	Boyle Engineering Corp.		2200 · ACC...	-56,375.03
10/2/2008	17422	Buena Tool Co.	Safety glasses/blade recip/bit ma...	2200 · ACC...	-81.34
10/2/2008	17423	Business Card		2200 · ACC...	-4,236.85
10/2/2008	17424	C. Charles Evans	Sep mtg fees	2200 · ACC...	-133.85
10/2/2008	17425	CA-NV Section, AWWA	Utility Contribution/Capital Campa...	2200 · ACC...	-500.00
10/2/2008	17426	CIO Solutions, Inc.		2200 · ACC...	-1,231.36
10/2/2008	17427	Cox Communications	Business internet 9/18-10/17/08	2200 · ACC...	-199.00
10/2/2008	17428	CSK Auto, Inc.		2200 · ACC...	-63.47
10/2/2008	17429	Cushman Contracting Corp.	El Carro Park PO#TBD	2200 · ACC...	-14,321.85
10/2/2008	17430	Das Williams	Sep mtg fees	2200 · ACC...	-265.70
10/2/2008	17431	ECHO Communications	Answering service	2200 · ACC...	-64.40
10/2/2008	17432	Famcon Pipe & Supply	Pipe/water-tite tee/end section PO...	2200 · ACC...	-4,579.38
10/2/2008	17433	Federal Express	Mailings	2200 · ACC...	-104.91
10/2/2008	17434	Frazee Paint & Wallcovering	Paint supplies	2200 · ACC...	-77.42
10/2/2008	17435	GE Capital	Copier lease Billing ID#90133933...	2200 · ACC...	-494.57
10/2/2008	17436	Graybar Electric Company...	PVC	2200 · ACC...	-7.01
10/2/2008	17437	Hawk Industries, Inc.	Drive cap PO#8825	2200 · ACC...	-280.74
10/2/2008	17438	Hydrex Pest Control Co.	Ant/pest control	2200 · ACC...	-80.00
10/2/2008	17439	Jan Abel	Sep mtg fees	2200 · ACC...	-279.40
10/2/2008	17440	McMaster-Carr Supply Co.	Locking pin PO#8824	2200 · ACC...	-35.69
10/2/2008	17441	Mid-State Concrete	Box w/knockouts-grate PO#8823	2200 · ACC...	-1,416.91
10/2/2008	17442	MNS Engineers, Inc.	Lake Cachuma Bathymetric surve...	2200 · ACC...	-7,795.00
10/2/2008	17443	Nextel Communications	Cellular	2200 · ACC...	-549.20
10/2/2008	17444	Paychex, Inc.	9/5,19 payrolls/taxes	2200 · ACC...	-228.24
10/2/2008	17445	PG&E		2200 · ACC...	-230.43
10/2/2008	17446	Pitney Bowes Global Fina...		2200 · ACC...	-487.67
10/2/2008	17447	Praxair Distribution, Inc	Cylinder rental	2200 · ACC...	-52.81
10/2/2008	17448	Prudential Overall Supply		2200 · ACC...	-338.32
10/2/2008	17449	Reserve Account	Postage refill	2200 · ACC...	-400.00
10/2/2008	17450	Robert Lieberknecht	Sep mtg fees	2200 · ACC...	-144.55
10/2/2008	17451	Sansum Clinic-Occupation...		2200 · ACC...	-284.00
10/2/2008	17452	Santa Barbara Concrete C...	Carp	2200 · ACC...	-195.00
10/2/2008	17453	Science Applications Inter...		2200 · ACC...	-17,084.30
10/2/2008	17454	Secorp Industries	Quantitative fit test PO#8821	2200 · ACC...	-716.00
10/2/2008	17455	Shawn O'Callahan	Reimb-Meals/travel costs-AWWA/...	2200 · ACC...	-161.57
10/2/2008	17456	Smarden-Hatcher Co.	Wrench/couplings/bushing/tee	2200 · ACC...	-1,198.08
10/2/2008	17457	Smith-Root, Inc.	Fisheries equip. repair PO#5048	2200 · ACC...	-304.28
10/2/2008	17458	Southern California Edison	Main ofc/outlying stations	2200 · ACC...	-1,516.68
10/2/2008	17459	State Compensation Insur...	Payroll Report Sep 08	2200 · ACC...	-3,726.09
10/2/2008	17460	The Gas Company	Main ofc	2200 · ACC...	-2.69
10/2/2008	17461	Tri-Counties Training Sem...	Regulatory Update-Oxnard 11/5/0...	2200 · ACC...	-105.00
10/2/2008	17462	Underground Service Alert...	66 new tickets	2200 · ACC...	-99.00
10/2/2008	17463	Verizon Wireless	Cellular	2200 · ACC...	-179.18
10/2/2008	17464	Western Farm Service, Inc.	Measuring cups/earplugs/folding s...	2200 · ACC...	-65.29
10/2/2008	17465	Western Welding		2200 · ACC...	-89.54
10/2/2008	17466	Bureau of Reclamation	7th Annual Bradbury Dam SOD in...	2200 · ACC...	-164,869.70
10/2/2008	17467	Bureau of Reclamation	1st Lauro Dam SOD installment	2200 · ACC...	-32,088.00
10/2/2008	17468	AT&T	Sep statement	2200 · ACC...	-337.49
10/2/2008	17469	COMB-Petty Cash	Replenish petty cash	2200 · ACC...	-183.18
10/2/2008	17470	Draganchuk Alarm Systems	Alarm monitoring Oct-Dec 08	2200 · ACC...	-82.50
10/2/2008	17471	Flowers & Associates, Inc.	Aug Lauro Res Debris Basin Impr...	2200 · ACC...	-11,484.57
10/2/2008	17472	Home Depot Credit Services	Lateral roof sealant	2200 · ACC...	-48.11
10/2/2008	17473	Republic Elevator Co.	Schedule mtce	2200 · ACC...	-247.26
10/2/2008	17474	Sound Billing LLC	Service-'00 Chevy	2200 · ACC...	-79.54
10/3/2008	17476	City of Santa Barbara-Cen...	Leather/latex gloves	2200 · ACC...	-63.15
10/3/2008	17477	MarBorg Industries		2200 · ACC...	-301.59
10/3/2008	17478	OS Systems, Inc.	Dry suit repair PO#5050	2200 · ACC...	-182.01

ITEM # 4c Page 1PAGE 1

7:38 AM  
 11/19/08  
 Accrual Basis

comb2  
**Payment of Claims**  
 As of October 31, 2008

Date	Num	Name	Memo	Split	Amount
10/3/2008	17479	Department of Industrial R...	Elevator Inspection fee (NP)	2200 · ACC...	-210.00
10/6/2008	17475	COMB - Revolving Fund	Oct 17 & 31, 2008 payroll/taxes	2200 · ACC...	-112,061.90
10/14/2008	17480	A-OK Mower Shops, Inc.		2200 · ACC...	-143.12
10/14/2008	17481	ACWA Health Benefits Au...	11/1-12/1/08 coverage	2200 · ACC...	-12,071.01
10/14/2008	17482	BEC Electric Contractors		2200 · ACC...	-4,663.66
10/14/2008	17483	Buena Tool Co.	Air tool/tape/safety glasses/rubber...	2200 · ACC...	-59.00
10/14/2008	17484	Channel City Lumber	Fasteners/lockwash/flat wash	2200 · ACC...	-42.81
10/14/2008	17485	City of Santa Barbara-Rec...	Recycle 8/27-9/29/08	2200 · ACC...	-7.57
10/14/2008	17486	City of SB-Refuse	Refuse 8/27-9/29/08	2200 · ACC...	-159.43
10/14/2008	17487	Culligan Water	RO system Oct	2200 · ACC...	-24.95
10/14/2008	17488	Earth Systems Southern C...	Lauro Debris Basin services thru ...	2200 · ACC...	-953.00
10/14/2008	17489	Famcon Pipe & Supply		2200 · ACC...	-963.29
10/14/2008	17490	Fleet Services	Fuel	2200 · ACC...	-1,515.34
10/14/2008	17491	Hayward Santa Barbara	Nuts/washers	2200 · ACC...	-82.74
10/14/2008	17492	J&C Services	9/12,19,26,10/3 ofc cleaning	2200 · ACC...	-500.00
10/14/2008	17493	M. Lee Smith Publishers L...	CA Work Comp Alert 12 issues 2...	2200 · ACC...	-277.00
10/14/2008	17494	Milpas Rental	Saw rental	2200 · ACC...	-153.74
10/14/2008	17495	Nargan Fire & Safety, Inc.	Extinguisher work	2200 · ACC...	-70.04
10/14/2008	17496	Nordman, Cormany, Hair ...	Gen Counsel Sep services	2200 · ACC...	-8,437.50
10/14/2008	17497	RJ Carroll & Sons, Inc.	Pipe PO#8828	2200 · ACC...	-700.91
10/14/2008	17498	SB Home Improvement C...		2200 · ACC...	-38.25
10/14/2008	17499	Smarden-Hatcher Co.	PVC/couplings	2200 · ACC...	-192.34
10/14/2008	17500	Southern California Edison	Glen Anne gate	2200 · ACC...	-18.63
10/14/2008	17501	Specialty Tool, LTD	Misc	2200 · ACC...	-60.94
10/14/2008	17502	Staples Credit Plan	Office supplies	2200 · ACC...	-128.68
10/14/2008	17503	TechnoFlo Systems	Meter repair	2200 · ACC...	-815.27
10/16/2008	17504	Assoc. of California Water...	2009 Membership Dues	2200 · ACC...	-6,110.00
10/16/2008	17505	Bartlett, Pringle & Wolf, LLP	Client #A6145.1100 Audit 07/08	2200 · ACC...	-5,720.00
10/16/2008	17506	Cachuma Cons. Release ...	Website work done thru 8/31/08	2200 · ACC...	-234.00
10/16/2008	17507	CIO Solutions, Inc.		2200 · ACC...	-1,658.75
10/16/2008	17508	County of Santa--Barbara		2200 · ACC...	-18.00
10/16/2008	17509	Fence Factory	Tension bar	2200 · ACC...	-11.94
10/16/2008	17510	J&C Services	10/10 carpet-double wide	2200 · ACC...	-175.00
10/16/2008	17511	Santa Barbara News Press	Eng Tech ad	2200 · ACC...	-921.04
10/16/2008	17512	Verizon California		2200 · ACC...	-933.60
10/20/2008	17513	Dell Marketing L.P.	Quadro NVS 290 graphic cards P...	2200 · ACC...	-322.18
10/20/2008	17514	Federal Express	Mailings	2200 · ACC...	-32.75
10/21/2008	17515	Line-X of Santa Barbara	Line-X bed '07 Chev 3500HD	2200 · ACC...	-1,050.00
10/29/2008	17517	Historic Santa Barbara	2-page spread	2200 · ACC...	-5,058.00
10/31/2008	17518	Business Card		2200 · ACC...	-3,121.42

Total 1050 · GENERAL FUND

-528,955.63

**TOTAL**

**-528,955.63**

7:38 AM  
11/19/08  
Accrual Basis

comb2  
**Payment of Claims-Renewal Fund**  
October 2008

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Split</u>	<u>Amount</u>
Oct 08					
10/1/2008	17416	Cachuma O & M-Renewal F...	Transfer of ID#1 Renewa...	1050 · GE...	2,510.00
10/14/2008	1025	Cachuma Conservation Rele...	Funds transfer to CCRB ...	-SPLIT-	-24,897.00
Oct 08					<u>-22,387.00</u>

ITEM # 4c  
PAGE 3

# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** November 24, 2008  
**TO:** BOARD OF DIRECTORS  
**FROM:** Kate Rees, General Manager  
**RE:** **COMB Board Elections Effective December 5, 2008**

### RECOMMENDATION:

1. That the Board elect a new Board President due to President Chuck Evans leaving the COMB Board effective December 5, 2008.
2. That the Board elect a new Board Vice President if the current Vice President, Das Williams, is elected to President of the Board.

### DISCUSSION:

Election of officers of the COMB Board was carried out in July 2008. Chuck Evans, the Goleta Water District Director, was elected President of the Board at that time. Mr. Evans did not seek reelection to the Goleta Water District Board of Directors, so he will be stepping down from that position at the end of his term, effective December 5, 2008. Therefore, the Board is requested to elect a new President of the Board.

Should the Board Vice President, Das Williams, be elected as President, the Board is requested to elect a new Vice President of the Board.

Reevaluation of COMB committee assignments will be considered by the Board at its December 15, 2008 or January 26, 2009 Board meeting depending on when a new Goleta Water District representative is selected for the COMB and CCRB Boards.

Staff wishes the very best for Mr. Evans in his future endeavors, and extends its heartfelt thanks for his many years of service on the COMB Board, and his warm interaction with all of the COMB staff.

Respectfully submitted,

  
Kate Rees  
General Manager

KR.COMB/board memos/112408\_COMB board elections.mmo

ITEM # 5  
PAGE 1

RESOLUTION NO 477

CACHUMA OPERATION & MAINTENANCE BOARD  
EXPRESSING APPRECIATION AND THANKS TO  
C. CHARLES EVANS

WHEREAS, Chuck Evans has served admirably as a Director and President of the Goleta Water District Board since 2002 and is retiring from that position in December 2008; and

WHEREAS, Mr. Evans representing the Goleta Water District Board has served in an outstanding manner from December 2002 until December 2008 as a Director and past Vice President of the Cachuma Conservation Release Board, and from December 2004 until December 2008 as a Director, past Vice President, and current President of the Cachuma Operation & Maintenance Board; and

WHEREAS, Chuck has served exceptionally as a representative for CCRB in negotiations with the Santa Ynez River Water Conservation District, Improvement District No. 1, the City of Lompoc, and the Santa Ynez River Water Conservation District to reach agreement on the operations of the Cachuma Project to both maximize the available water supply and ensure that the Cachuma Project does not adversely affect the water quality of the Lompoc Groundwater Basin, during which Mr. Evans' knowledge, skill and extraordinary effort, was indispensable in bringing about an historic Settlement Agreement among all the water purveyors on the Santa Ynez River; and

WHEREAS, Mr. Evans has provided his vast experience and expertise to COMB during a very active and critical period in the history of the Board, including: COMB's participation in the Santa Barbara IRWMP resulting in a \$25 million grant, of which \$3.2 million will help fund an important pipeline project; completion of the Lauro Dam Seismic modifications; rehabilitation of all the South Coast Conduit structures in the Goleta reach; installation of several line valves in the Carpinteria reach; expansion of the Lauro Dam Debris Basin; and development of a comprehensive Capital Improvement Program; and

WHEREAS, Mr. Evans has been a strong advocate for the Cachuma Project water rights of the member agencies of CCRB and their endeavors to maintain a balanced program for water supply reliability and protection of fisheries resources downstream of Lake Cachuma, particularly with the installation of gate extensions on Bradbury Dam to allow storage of an additional 9,200 acre feet of water for the downstream fishery. Chuck's knowledge and skills have been an important asset to COMB and CCRB in all of these vital activities.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors and staff of the Cachuma Operation & Maintenance Board and the Cachuma Conservation Release Board extend to Chuck Evans their sincere appreciation and heartfelt thanks for the invaluable service that he has given to the Boards, its staff and to the people of the County of Santa Barbara.

PASSED AND ADOPTED by the Board of Directors of the Cachuma Operation & Maintenance Board on this 24<sup>th</sup> day of November 2008.

**AYES:**  
**NAYES:**  
**ABSENT/ABSTAIN:**

\_\_\_\_\_  
Das Williams  
Vice President of the Board

\_\_\_\_\_  
Jan Abel  
Director

\_\_\_\_\_  
Robert Lieberknecht  
Director

\_\_\_\_\_  
Matthew Loudon  
Director

ITEM # 6

# CACHUMA OPERATION AND MAINTENANCE BOARD WATER STORAGE REPORT

MONTH: **October 2008**

**GLEN ANNIE RESERVOIR**

Capacity at 385' elevation:	518 Acre Feet
Capacity at sill of intake at 334' elevation:	21 Acre Feet
Stage of Reservoir Elevation	361.50 Feet
Water in Storage	232.65 Acre Feet

**LAURO RESERVOIR**

Capacity at 549' elevation:	600 Acre Feet
Capacity at sill of intake at 512' elevation:	84.39 Acre Feet
Stage of Reservoir Elevation	535.80 Feet
Water in Storage	347.55 Acre Feet

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65 Acre Feet
Capacity at outlet at elevation 440':	0 Acre Feet
Stage of Reservoir Elevation	453.90 Feet
Water in Storage	42.96 Acre Feet

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45 Acre Feet
Capacity at outlet elevation 362':	0 Acre Feet
Stage of Reservoir Elevation	378.00 Feet
Water in Storage	30.26 Acre Feet

**TOTAL STORAGE IN RESERVOIRS**

Change in Storage	420.77 Acre Feet
	-249.03 Acre Feet

**CACHUMA RESERVOIR**

Capacity at 750' elevation:	188,030 Acre Feet
Capacity at sill of tunnel 660' elevation:	26,109 Acre Feet

Stage of Reservoir Elevation	743.34 Feet
Water in Storage	168,700 AF
Area	2,793
Evaporation	1,072.3 AF
Inflow	-78.1 AF
Downstream Release WR8918	0 AF
Fish Release	737.3 AF
<b>Spill/Seismic Release</b>	0 AF
State Project Water	86.6 AF
Change in Storage	-4,580 AF
Tecolote Diversion	2,813.9 AF





# CACHUMA OPERATION AND MAINTENANCE BOARD WATER STORAGE REPORT

MONTH: **September 2008**

**GLEN ANNIE RESERVOIR**

Capacity at 385' elevation:	518 Acre Feet
Capacity at sill of intake at 334' elevation:	21 Acre Feet
Stage of Reservoir Elevation	362.10 Feet
Water in Storage	226.36 Acre Feet

**LAURO RESERVOIR**

Capacity at 549' elevation:	600 Acre Feet
Capacity at sill of intake at 512' elevation:	84.39 Acre Feet
Stage of Reservoir Elevation	536.50 Feet
Water in Storage	358.68 Acre Feet

**ORTEGA RESERVOIR**

Capacity at 460' elevation:	65 Acre Feet
Capacity at outlet at elevation 440':	0 Acre Feet
Stage of Reservoir Elevation	457.70 Feet
Water in Storage	57.37 Acre Feet

**CARPINTERIA RESERVOIR**

Capacity at 384' elevation:	45 Acre Feet
Capacity at outlet elevation 362':	0 Acre Feet
Stage of Reservoir Elevation	377.30 Feet
Water in Storage	29.57 Acre Feet

**TOTAL STORAGE IN RESERVOIRS**

Change in Storage	445.62 Acre Feet
	-224.18 Acre Feet

**CACHUMA RESERVOIR**

Capacity at 750' elevation:	188,030 Acre Feet
Capacity at sill of tunnel 660' elevation:	26,109 Acre Feet

Stage of Reservoir Elevation	744.98 Feet
Water in Storage	173,280 AF
Area	2,854
Evaporation	1,290.9 AF
Inflow	0.7 AF
Downstream Release WR8918	0 AF
Fish Release	763.4 AF
<b>Spill/Seismic Release</b>	0 AF
State Project Water	988 AF
Change in Storage	-3,953 AF
Tecolote Diversion	2,758.4 AF

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

ITEM # 2a  
PAGE 3



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

MONTH	DELVRD TO LAKE	CVWD		MWD		Transf		Delvd to SC		Delvd to CV		Delvd to SC		S.B.		GWD		Delvd to SC		LCMWC		Delvd to SC		RSYS		Delvd to Lake		MLC							
		to Lake	Stored	to Lake	Stored	from CV	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to Lake	Stored	to SC	to SC					
2007																																			
Bal. Fwvd		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
February	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
March	412	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
April	419	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
May	797	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
June	982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
July	882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
August	716	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
September	764	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
October	588	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	486	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>6316</b>	<b>200</b>	<b>0</b>	<b>200</b>	<b>0</b>	<b>3150</b>	<b>134.2</b>	<b>0</b>	<b>3016</b>	<b>0</b>	<b>2180</b>	<b>0</b>	<b>2180</b>	<b>0</b>	<b>693</b>	<b>0</b>	<b>693</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>693</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>0</b>	

Revised 11/12/08

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

MONTH	DELVRD TO LAKE	CVWD		MWD		Evap/Spill		Delvd to SC		Delvd to MW		Delvd to SC		S.B.		GWD		Delvd to SC		LCMWC		Delvd to SC		RSYS		Delvd to Lake		MLC									
		to Lake	Stored	to Lake	Stored	to Lake	Stored	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to SC	to Lake	Stored	to SC	to SC							
2008																																					
Bal. Fwvd		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
January	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	716	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	627	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	994	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	988	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>3451</b>	<b>100</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>2042</b>	<b>102.4</b>	<b>48</b>	<b>2208</b>	<b>0</b>	<b>706</b>	<b>0</b>	<b>706</b>	<b>0</b>	<b>584</b>	<b>0</b>	<b>584</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>584</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Operations Report – October 2008

Cachuma Project water usage for the month of October 2008 was 1,912 acre-feet, compared with 2,693 acre-feet for the same period in 2007. Cachuma Project water use for the 12 months ending October 31, 2008 was 26,807 acre-feet, compared with 27,525 acre-feet for the 12 months ending October 31, 2007.

The average flow from Lake Cachuma into the Tecolote Tunnel was 61 acre-feet per day. Lake elevation was 744.93 feet at the beginning of the month and 743.34 feet at the end. Recorded rainfall at Bradbury Dam was 0.15 inches for the month and 0.15 inches for the rainfall season, which commenced on July 1, 2008.

Santa Barbara wheeled 584 acre-feet of Gibraltar water through Lauro Reservoir during the month. 87 acre-feet of State Water Project water was wheeled through Cachuma Project facilities and delivered to South Coast Member Units during the month.

Landowner meetings occurred for both the 2<sup>nd</sup> pipeline project and the mission creek project. New and construction easements will be required for both projects. COMB will be purchasing or negotiating these easements. 80% of both projects will occur within the existing SCC easements. We met with five different landowners to discuss project details, the importance of the project, and how the project will impact them. All the landowners could see the importance and were very willing to work with COMB to make the projects happen. We are proceeding with drafting the easement documents and associated drawings. We expect to meet with the landowners again in December and review the documents. Hopefully we will be finalizing the easements in January.

Tesco Control System changed out the SCADA computers with new computers. The existing computers have been in service for 5+ years. In the last year we had experienced more errors and hardware failures. The change out of computers included two new computers with the transfer of the software and configuration to them. This transfer occurred with no issues. We will be working the bugs out for the next month. This is the first system upgrades scheduled at this time. Next years we will be upgrading the Wonderware software to a newer version. This will include upgrading the historical SCADA computer.

Activities conducted this month include:

- Work continued on the design of the next line valves in the Montecito section of the SCC.
- Design and environmental work continued on the 2<sup>nd</sup> Pipeline Project and the Mission Creek Project. Final designs are expected in December for both projects.
- Work continued on the evaluation of metering issues in the lower reach of the SCC.
- Work started on the Lauro Drain project. A majority of the piping was installed. It is expected to be completed in late November.
- Three pieces of surplus equipment were sold this month. This included an air compressor, a truck and a trailer.

- The annual USBR Dam inspection was completed this month. This report is a comprehensive inspection of all four dam sites with collected data transmitted to the USBR.

Routine operation and maintenance activities conducted during the month included:

- Sample water at North Portal Intake Tower
- Complete Maintenance Management Program work orders
- Read anode rectifiers and monitor cathodic protection systems
- Monitor conduit right-of-way and respond to Dig Alert reports
- Read piezometers and underdrains at Glen Anne, Lauro and Ortega Dams
- Read meters, conduct monthly dam inspections, and flush venture meters



Brett Gray  
Operations Supervisor

# CACHUMA RESERVOIR

## DISPOSITION OF 2008 SURCHARGE WATER

(UNOFFICIAL)

DATE	DESCRIPTION	FISH RELEASE FROM SURCHARGE (acre feet)	SURCHARGE BALANCE (acre feet)	FISH RELEASE FROM PROJECT YIELD (acre feet)
3/9/2008	End of Spill		8,300	
3/31/08	March	759	7,541	
4/30/08	April	620	6,921	
5/31/08	May	746	6,175	
6/30/08	June	394	5,781	
7/31/08	July	1,235	4,546	
8/31/08	August	1,038	3,508	
9/30/08	September	308	3,200	584
10/31/08	October		3,200	737
11/30/08	November (projected)		3,200	641
12/31/08	December		3,200	600
1/31/09	January		3,200	600
2/28/09	February		3,200	
3/31/09	March		3,200	
*** TOTAL		5,100	3,200	3,162

kr\comb\cachuma 2008 surcharge account 112408

ITEM # 7c  
PAGE 1

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

**Date:** November 17, 2008  
**To:** Members of the Board of Directors  
**From:** Kate Rees, General Manager  
**RE:** **Lauro Retention Basin Progress Report**

**Recommendations:** None

**Discussion:**

Work on the Lauro Retention Basin is progressing well and is ahead of schedule, with construction nearing 65% completion and 45% of the project budget total remaining to date.

**Project Status:**

- Debris Basin Dam will be complete this week ending 11/21/08 upon final grading
- Diversion Structure is 98% complete pending gate and hand-rail installation
- Subdrain installation is 75% complete pending concrete work
- Access Improvements are on schedule with grading of access road in-process and awaiting concrete work



Picture 1 – Final Grading of Debris Dam

ITEM # 7d  
PAGE 1





Picture 2 – Subdrain installation



Picture 3 – Access Improvement progress



Picture 4 – Construction continued during the Tea Fire on Friday 11/14/08, with Lauro Reservoir providing the main source of water for fire-fighting efforts

ITEM # 7d  
PAGE 2

## Kate Rees

---

**From:** Ferguson, Bill [BFerguson@SantaBarbaraCA.gov]  
**Sent:** Monday, November 10, 2008 11:28 AM  
**To:** alis@stetsonengineers.com; Bjork, Rebecca; bwales@syrwcd.com; cdahlstrom@syrwd.org; DGIBBS@co.santa-barbara.ca.us; dwilliams@mp.usbr.gov; Ernie Houston; Ferguson, Bill; Janet Gingras; Kate Rees; Kelly, Pat; mnaftal@cosbpw.net; Matthew C Scrudato; McDermott, David; Taylor, Catherine; Tom Mosby; abuelna@mp.usbr.gov; Wiley, Stephen  
**Subject:** Monthly Report & Update on USYROA Activities  
**Attachments:** 2008.Oct.USYROA Report.pdf; Gibraltar Volumes Nov 2008.MNS.XLS

Attached is our regular monthly report. Following is an update on activities related to the USYROA:

- The current report is prepared using data from the new area-capacity survey performed in August by MNS Engineers. Attached for your information is a copy of the data.
- As noted in our previous message, now that we have elected to enter pass through operations, we will direct COMB to discontinue relinquishments of water at Cachuma related to the mitigation mode of operations and will no longer divert from Gibraltar according to the monthly diversion schedule of Appendix B. Diversions will instead be based on the annual limitation of Appendix D - Pass Through Operations Calculations.
- We have met with Reclamation to develop a Warren Act Contract for initiation of the Pass Through Account in Cachuma. We are in the process of preparing information for use in environmental analysis, to be followed by working out the details of the accounting of pass through water.

We will be contacting members of the Technical Committee shortly to schedule another meeting. Please call if you have any questions.

Thank you.

<<2008.Oct.USYROA Report.pdf>> <<Gibraltar Volumes Nov 2008.MNS.XLS>>

**Bill Ferguson, Water Resources Supervisor**  
City of Santa Barbara Public Works Department  
P.O. Box 1990, Santa Barbara, CA 93102  
Street Address: 630 Garden Street, Santa Barbara, CA 93101  
Phone: (805) 564-5571  
FAX: (805) 897-2613  
E-mail: [BFerguson@SantaBarbaraCA.gov](mailto:BFerguson@SantaBarbaraCA.gov)

**2007/2008 AREA COMPARISONS (Area in Acres)**

ELEVATION	2007	2008	CHANGE	% CHANGE
1403	240.9	235.70	-5.2	-2.2%
1400	232.1	227.1	-5.0	-2.2%
1395	217.1	202.8	-14.3	-6.6%
1390	197.1	190.1	-7.0	-3.6%
1385	180.1	169.8	-10.3	-5.7%
1380	165.0	136.4	-28.6	-17.3%
1375	139.1	114.1	-25.0	-18.0%
1370	113.2	98.4	-14.8	-13.1%
1365	101.2	43.1	-58.1	-57.4%
1360	86.9	0.0	-86.9	-100.0%
1355	47.9	0.0	-47.9	-100.0%

**2007/2008 CAPACITY COMPARISONS (Cumulative Volume in Acre Feet)**

ELEVATION	2007	2008	CHANGE	% CHANGE
1403	7495.6	5,996.82	-1498.8	-20.0%
1400	6786.0	5302.7	-1483.3	-21.9%
1395	5660.4	4224.4	-1436.0	-25.4%
1390	4627.6	3243.3	-1384.3	-29.9%
1385	3682.3	2340.4	-1341.9	-36.4%
1380	2822.0	1564.6	-1257.4	-44.6%
1375	2055.1	954.5	-1100.6	-53.6%
1370	1442.4	419.9	-1022.5	-70.9%
1365	903.8	24.1	-879.7	-97.3%
1360	437.1	0.0	-437.1	-100.0%
1355	86.2	0.0	-86.2	-100.0%

# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** November 24, 2008  
**TO:** BOARD OF DIRECTORS  
**FROM:** Kate Rees, General Manager  
**RE:** Amendment to the Bradbury Dam SOD Agreement

### RECOMMENDATION:

Authorize development of an administrative amendment to the Bradbury Dam Safety of Dams Repayment Agreement between the U.S. Bureau of Reclamation and the Cachuma Operation & Maintenance Board to amend the total cost of the seismic modifications to Bradbury Dam, COMB's 15% obligation for the total cost, and the annual repayment amount.

### DISCUSSION:

In July 2002, COMB entered into an agreement with the U.S. Bureau of Reclamation (Reclamation) obligating COMB for the repayment of 15% of the total cost expended for the Bradbury Dam Safety of Dams Modification Program, per the federal Safety of Dams Act. The contract states that "COMB shall repay 15% of the actual costs incurred by the United States up to \$6,791,401, which represents fifteen percent of the total cost of \$45,276,008." Since that time, the final cost of the project exceeded the original contractual amount by \$3,045,539 due to various costs associated with construction, contract administration, design specifications, and the Hilton Creek Watering System. The final total cost is now \$48,321,547. During the course of formulating the original contract, COMB was able to negotiate inclusion of the total cost for construction of the Hilton Creek Watering System in the SOD repayment contract, which otherwise would have been borne in its entirety by the Member Units.

Article 3(h) of the contract specifies that "In the event that the Contracting Officer estimates the total actual cost of the Reclamation Safety of Dams Act Modification may exceed \$45,276,008, the parties shall consult and determine a course of action for addressing such costs." The only changes to the original contract are the total cost of the project and COMB's 15% of the total project cost. All other terms of the original agreement will remain unchanged. Therefore, staff and COMB's General Counsel believe an amendment to the agreement to reflect these changes is sufficient.

Staff recommends the Board approve staff participation in a "technical session" with Reclamation to develop an amendment to the existing repayment contract as it pertains to the total project cost, COMB's 15% repayment cost, and revisions to the repayment schedule.

ITEM # 8  
PAGE 1

Preliminary discussions with Reclamation staff indicate that they are in full agreement with this approach.

Respectfully submitted,



Kate Rees  
General Manager

Attachments

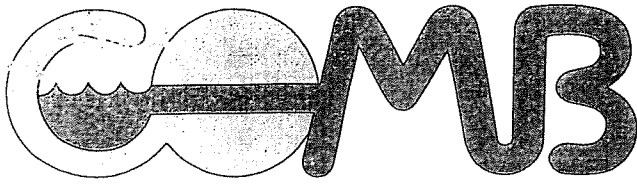
KR.COMB/Admin/Board memos/112408\_Brabury SOD Contract Amenement

ITEM # 8  
PAGE 2

Bradbury Dam  
Safety of Dams Project  
Total Project Costs

Description	A368	0368	Total
<b>Foundation Mod.</b>			
A50-XXXX-6100-001-91-0-0	2,810,690.65	657,559.65	3,468,250.30
A50-XXXX-6100-001-93-0-0	950,070.73	193,911.74	1,143,982.47
A50-XXXX-6100-001-94-0-0	1,989,820.51	10,602.17	2,000,422.68
A50-XXXX-6100-151-00-0-0	8,064,193.49	0.00	8,064,193.49
A50-XXXX-6100-151-00-0-1	3,983,356.78	0.00	3,983,356.78
<b>Subtotal - Foundation Mod.</b>	<b>17,798,132.16</b>	<b>862,073.56</b>	<b>18,660,205.72</b>
<b>Spillway Mod.</b>			
A50-XXXX-6110-001-91-0-0	16,199.78	272.23	16,472.01
A50-XXXX-6110-001-93-0-0	1,509,237.81	22,163.04	1,531,400.85
A50-XXXX-6110-001-94-0-0	1,252,172.59	(6,200.72)	1,245,971.87
A50-XXXX-6110-100-00-0-0	172.00	43,700.40	43,872.40
A50-XXXX-6110-151-00-0-0	8,364,248.99	410,380.83	8,774,629.82
<b>Subtotal - Spillway Mod.</b>	<b>11,142,031.17</b>	<b>470,315.78</b>	<b>11,612,346.95</b>
<b>Terrace Filters</b>			
A50-XXXX-6120-001-91-0-0	332,297.87	0.00	332,297.87
A50-XXXX-6120-001-93-0-0	1,032,697.30	(15,291.95)	1,017,405.35
A50-XXXX-6120-001-94-0-0	752,839.15	17,839.99	770,679.14
A50-XXXX-6120-151-00-0-0	3,506,985.22	0.00	3,506,985.22
<b>Subtotal - Terrace Filters</b>	<b>5,624,819.54</b>	<b>2,548.04</b>	<b>5,627,367.58</b>
<b>NAT Transfer</b>			
A50-XXXX-6130-000-00-0-0	5,726,811.87	464.80	5,727,276.67
<b>Hilton Creek Pipeline</b>			
A50-XXXX-6140-001-91-0-0	39,833.30		39,833.30
A50-XXXX-6140-001-93-0-0	1,804,700.28	1,174.00	1,805,874.28
A50-XXXX-6140-001-94-0-0	496,147.54	(1,174.00)	494,973.54
A50-XXXX-6140-151-00-0-0	2,078,835.55		2,078,835.55
<b>Subtotal - Hilton Creek Pipeline</b>	<b>4,419,516.67</b>	<b>0.00</b>	<b>4,419,516.67</b>
<b>Site Restoration</b>			
A50-XXXX-6150-001-91-0-0	20732.93	1,642.20	22,375.13
A50-XXXX-6150-001-91-0-1	58256.71	58,256.71	116,513.42
A50-XXXX-6150-001-93-0-0	848,999.84	96,150.68	945,150.52
A50-XXXX-6150-001-94-0-0	217,358.02	52,013.20	269,371.22
A50-XXXX-6150-151-00-0-0	319,780.00	319,780.00	639,560.00
<b>Subtotal - Site Restoration</b>	<b>1,465,127.50</b>	<b>527,842.79</b>	<b>1,992,970.29</b>
<b>Environmental Restoration</b>			
A50-XXXX-6160-001-91-0-0	222,681.09	0.00	222,681.09
A50-XXXX-6160-001-93-0-0	59,182.29	0.00	59,182.29
<b>Subtotal - Environmental Rest.</b>	<b>281,863.38</b>	<b>0.00</b>	<b>281,863.38</b>
<b>Total - Bradbury Dam SOD</b>	<b>46,458,302.29</b>	<b>1,863,244.97</b>	<b>48,321,547.26</b>

It should be noted that BOR collected \$1,436,243.10, from the Cachuma Project Authority for work relative to the dewatering project at Bradbury.



**CACHUMA OPERATION AND MAINTENANCE BOARD**

3301 LAUREL CANYON ROAD  
SANTA BARBARA, CALIFORNIA 93105-2017  
TELEPHONE (805) 687-4011 FAX (805)569-5825  
www.ccrb-comb.org  
contactus@cachuma-board.org

December 30, 2004

Mr. Kirk C. Rodgers, Regional Director  
U.S. Department of the Interior  
Bureau of Reclamation  
Mid-Pacific Regional Office  
2800 Cottage Way  
Sacramento, CA 95825-1898

**Re: Contract between the United States of America  
and the Cachuma Operation and Maintenance Board  
("COMB") for Repayment of Funds Expended for Federally  
Performed Safety of Dams Act Modifications Program  
Contract No. 01-WC-20-2030 – Cachuma Project, California**

Dear Mr. Rodgers:

Reference is made to the captioned contract dated July 1, 2002 (the "Contract"). The purpose of this letter is to formally notify you of certain obligations of the United States of America which have not been met.

Article 2(d) of the Contract requires that beginning on July 1, 2002, you will provide monthly construction status specifications conformance, and progress reports to COMB. This article also requires you to provide monthly accounting and analysis of Safety of Dams ("SOD") expenditures to COMB.

Although there have been some occasional informal communications of some of this information, no such reports have been made.

COMB was notified that the project was substantially complete more than 3 years ago on September 30, 2001.

Article 2(e) required you to prepare a final draft cost report and total repayment obligation by December 1, 2003. As of the date of this letter, no such report has been prepared.

*Carpinteria Valley Water District  
City of Santa Barbara  
Goleta Water District  
Montecito Water District  
Santa Ynez River Water Conservation District,  
Improvement District #1  
General Manager/Secretary of the Board, Robert E. Wignot, P.E.*

ITEM # 8  
PAGE 4

Mr. Kirk C. Rodgers, Regional Director

2.

Although the reports mentioned above have not been submitted, there have been informal indications from Reclamation staff that the final cost of the project may well exceed the \$45,276,008 maximum provided in Recital E of the Contract. This potential increase in cost is due, in part, to the necessity of reconstructing the Hilton Creek watering system because of apparent design errors by Reclamation. In addition, the internal "soft costs" of Reclamation are apparently much higher than originally estimated.


Because of the possibility of the total cost exceeding the maximum amount provided in the Contract, COMB has been advised that the United States may look to COMB to pay an additional amount above and beyond the \$6,791,401, notwithstanding the fact that the Contract provides that COMB "agrees to repay fifteen percent (15%) of the total cost of the Reclamation Safety of Dams Act modifications to the Dam and related facilities, not to exceed \$6,791,401, plus appropriate interest."

It is COMB's understanding that the United States is currently conducting an audit of the actual costs of this project and that this audit should be completed in early 2005. Article 3(h) states that "in the event the contracting officer [you] anticipates the total actual cost of the Reclamation of Safety of Dams Act Modifications may exceed \$45,276,008, the parties shall consult and determine a course of action for addressing such costs." (See also Recital H.) To date, no such consultation has taken place, and in view of the default in providing the required reports, it would seem a waste of time to hold such consultation.

The purpose of this letter is to formally notify you that COMB expects that you will abide by all of the terms and conditions of the captioned contract - which was negotiated over an extended period of time when a number of the issues that are recited above were discussed and attempted to be incorporated into the contract.

Very truly yours,

CACHUMA OPERATION AND  
MAINTENANCE BOARD

By:   
C. Charles Evans  
President of the Board

CC: Cachuma Member Units

COMB\President's Letter to Reclamation 123004

ITEM # 8  
PAGE 5



# CACHUMA OPERATION AND MAINTENANCE BOARD

## MEMORANDUM

**DATE:** November 24, 2008  
**TO:** BOARD OF DIRECTORS  
**FROM:** Kate Rees, General Manager  
**RE:** **Carpinteria Valley Water District Letter and Memo Regarding the COMB Capital Improvement Program and Bond Issuance**

### RECOMMENDATION:

None at this time.

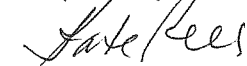
### DISCUSSION:

Charles Hamilton, General Manager of the Carpinteria Valley Water District (CVWD), has requested that the COMB Board review the attached letter and memo regarding COMB's CIP Program from the perspective of the CVWD. Mr. Hamilton seeks a full review by the Member Units of all anticipated COMB expenses projected for the FY 09-10 Budget, as well as a Member Unit evaluation of COMB's Capital Improvement Program.

Staff has no objection to beginning the COMB budget process for next fiscal year sooner than usual, and recommends that this begin in January 2009. Attached is a spreadsheet with the projected COMB budget through FY 2016-17 developed for the CIP Bond issuance process. This is not a detailed, line item accounting, but demonstrates staff's intention to limit the COMB Special Projects line item until FY 2015-16 to a bond debt repayment of about \$1.1 million plus about \$200,000 per year for COMB to carry out other less expensive capital improvement work. At that time, we will need to increase the Special Project line item to address the remaining capital improvement projects or new projects identified in the future. There will naturally be some increase in the budget over time due to normal increased costs for administrative functions and services, labor and materials, and cost of living increases. We anticipate an annual budget increase between 8% and 10% per year for O&M and G&A expenses.

Staff requests direction from the Board regarding the issues raised by Mr. Hamilton.

Respectfully submitted,



Kate Rees  
General Manager

Attachments

KR.COMB/board memos/112408\_CVWD review of COMB CIP.mmo

ITEM # 10  
PAGE 1

**CACHUMA OPERATION & MAINTENANCE BOARD BUDGET PROJECTIONS**  
**Debt re-payment included for COMB Bond issuance**

	07-08 Adopted	08-09 Adopted	09-10	10-11	11 - 12	12 - 13	13 - 14	14 - 15	15 - 16	16 - 17
<b>LABOR</b>										
	826,565	854,201	922,537	996,340	1,076,047	1,162,131	1,255,102	1,355,510	1,463,950	1,581,066
<b>OPS &amp; MAINTENANCE</b>										
	332,000	333,000	359,640	388,411	419,484	453,043	489,286	528,429	570,703	616,360
<b>TOTAL O&amp;M EXPENSE</b>	1,158,565	1,187,201	1,282,177	1,384,751	1,495,531	1,615,174	1,744,388	1,883,939	2,034,654	2,197,426
<b>GENERAL &amp; ADMINISTRATIVE</b>										
	546,486	626,213	676,310	730,415	788,848	851,956	920,112	993,721	1,073,219	1,159,077
<b>TOTAL OPS/MTCE &amp; G &amp; A</b>	1,705,051	1,813,414	1,958,487	2,115,166	2,284,379	2,467,130	2,664,500	2,877,660	3,107,873	3,356,503
<b>PERCENT OF CHANGE BY YEAR O&amp;M-G&amp;A</b>	12%	6%	8%	8%	8%	8%	8%	8%	8%	8%
<b>COMB SPECIAL PROJECTS</b>	1,970,000	1,695,000	200,000	200,000	200,000	200,000	200,000	200,000	900,000	900,000
<b>COMB Debt Repayment</b>	-	0	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000
Legal/Litigation										
Spec Counsel Costs	100,000	-	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
<b>TOTAL LEGAL/LITIGATION</b>	100,000	-	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
<b>TOTAL COMB BUDGET</b>	3,775,051	3,508,414	3,358,487	3,515,166	3,684,379	3,867,130	4,064,500	4,277,660	5,207,873	5,456,503
<b>PERCENT OF CHANGE BY YEAR FOR TOTAL BUDGE</b>	17%	-7%	-4%	5%	5%	5%	5%	5%	22%	5%



# Carpinteria Valley Water District

1301 Santa Ynez Avenue • Carpinteria, CA 93013  
Phone (805) 684-2816 • Fax (805) 684-3170

## BOARD OF DIRECTORS

*Frederick Lemere*  
President  
*June Van Wingerden*  
Vice President  
*Robert R. Lieberknecht*  
*Matthew T. Roberts*  
*James W. Drain*

## GENERAL MANAGER

*Charles B. Hamilton*

November 12, 2008

Kate Rees  
General Manager  
Cachuma Operation & Maintenance Board  
3301 Laurel Canyon Road  
Santa Barbara, CA 93105-2017

Dear Ms. Rees,

As you know, I have recently expressed concerns to you and the Cachuma Operation and Maintenance Board (COMB) directors about the timing and magnitude of the proposed COMB Capital Improvement Program (CIP) and its Certificate of Participation funding, as related to the needs and priorities of the Carpinteria Valley Water District.

While the depth and severity of impacts of the recent and on-going financial collapse of major corporations in the United States can not yet be fully known, it is evident to me that 2009 will not be a "business as usual" year for Carpinteria Valley Water District. It can be expected that the District will receive and respond to great pressure to control costs and minimize any considered rate increases to customers. Accordingly, we at Carpinteria Valley Water District will also be especially motivated to examine more carefully than ever all proposed costs passed along to the District from COMB as well as other joint powers authorities of which the District is a member.

Given the heightened need for timely public notice and conformance with state law as set in motion by Proposition 218, time is of the essence. In this context, please consider taking the necessary steps **as soon as possible to plan and organize a full review by COMB member agency staff of all projected FY 09-10 expenses by COMB**, including COMB's proposed Capital Improvement Program. Basically this is a request for a much earlier budget development process than has been the norm by COMB. Some very hard choices will likely have to be made, and the more fully all of the member agencies participate in their making, in a timely manner, the more palatable they will be to all.

Enclosed please also find for your information and perhaps inclusion in the November 24 COMB Board meeting packet a copy of a memo to me from Carpinteria Valley Water District's Engineer, Bob McDonald, in summary fashion analyzing and prioritizing COMB's currently proposed CIP projects from this District's perspective. This memo will be reviewed and discussed by our Board of Directors at their next regular Board meeting on November 19, 2008.

I look forward to working cooperatively and successfully with you as we collectively work our way through a difficult year.

Sincerely,

Charles B. Hamilton  
General Manager

ITEM # 10a  
PAGE 1

Cc: Board of Directors and staff  
Rebecca Bjork, Water Resources Manager, City of Santa Barbara  
Tom Mosby, General Manager, Montecito Water District  
Eric Ford, Interim General Manager, Goleta Water District  
Chris Dahlstrom, General Manager, Santa Ynez Water Conservation District, ID#1

ITEM # 10a  
PAGE 2



# Carpinteria Valley Water District

1301 Santa Ynez Avenue • Carpinteria, CA 93013  
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## BOARD OF DIRECTORS

*Frederick Lemere*  
President  
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Vice President  
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*Matthew T. Roberts*  
*James W. Drain*

## GENERAL MANAGER

*Charles B. Hamilton*

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## MEMO

**To:** Charles B. Hamilton, General Manager  
**From:** Bob McDonald, District Engineer  
**Date:** November 12, 2008  
**RE:** COMB Capital Improvement Projects Program Evaluation

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Staff has reviewed the proposed CIP program project components. In its review several objectives were used to analyze the program. The objectives include reliability, capacity, safety and operational flexibility. Each proposed project was reviewed for consistency with these goals. It should be noted that although CVWD holds Water Quality as co-equal goal to those given above, COMB does not have that mandate. Reliability in this analysis refers to the degree that the facility will perform its function without significant interruption. Capacity in this analysis refers to the amount of water conveyable through the facility. Safety in this analysis refers to the safe keeping of life, health and property of personnel and the general public. Operational Flexibility in this analysis refers to the ability for COMB staff to operate the systems to meet maintenance, emergency and other atypical operational needs. Attached in Appendix A is a table with a list of the COMB projects with a summary evaluation for each project

Additionally, known issues along the Carpinteria reach of the Cachuma project are discussed herein and should be further analyzed to determine if significant deficiency exist to warrant addition to the currently proposed CIP program.

The proposed COMB CIP Program consists of 17 projects valued at \$25.68 million dollars located from Tecolote Tunnel South Portal to Carpinteria Reservoir. (See attached map in Appendix B.) Twenty million dollars worth of projects are proposed to be completed in two to three years using COP and Proposition 50 grant monies. Projects are to be completed based on

ITEM # 10a  
PAGE 3

a ranked project list shown in Table 1. The remaining \$5.7 million worth of projects will remain on the list until subsequent funding becomes available. The current collection of special projects funding from the member units is approximately \$1.3 million per year. Under the current COMB proposal approximately \$1.1 million of this revenue stream will be used for COP debt repayment, starting in FY2010 or 2011 and ending in 2040 or 2041, leaving a balance of \$200,000 per year for other projects. It is unlikely during the intense initial two to three year period of capital projects any additional projects will be undertaken. This means after the COP funded projects are completed, COMB will have an estimated \$400,000 to \$800,000 in reserves for remaining projects. However, even after year 3 of the program there will be upwards of \$5 million in unfunded projects, not to mention new projects yet to be defined. Additional funding for projects may be available in 2015 using the current Cachuma Project debt repayment revenue stream that will be fully repaid in 2015. This revenue stream is approximately \$1 million per year.

If this revenue stream alone is used to fund remaining projects, it will take approximately 7 to 10 years to complete the remaining 12 or 13 projects. While the current stated planning horizon for the proposed Capital Improvement Program is two to three years it is in essence a plan that spans 12 years due to funding constraints.

**Table 1- COMB Prioritization of Project Components and Cost Distribution**

No.	Project Component Description	Estimated Cost	Priority - Very High	Priority - High	Priority - Medium	Priority - Low
1	SCC Second Barrel Pipeline, Upper Reach	\$ 9,165,000	\$ 9,165,000			
2	Reliability Study (Reaches 3 and 4)	\$ 150,000				\$ 150,000
	SCC Mission Creek Crossing and Fish Passage	\$ 2,300,000	\$ 2,300,000			
3B	Six SCC Creek Crossings	\$ 1,500,000		\$ 1,500,000		
4	SCC In-Line Valve Installation (4 Locations)	\$ 2,600,000		\$ 2,600,000		
5	Lauro Reservoir, Barker Pass and Sheffield Tunnel Vent Rehabilitation	\$ 500,000		\$ 500,000		
6A	SCC Corrosion Repairs at Appurtenances	\$ 2,075,000		\$ 2,075,000		
6B	SCC Corrosion Repairs at Appurtenances	\$ 1,940,000			\$ 1,940,000	
7	SCC Modifications to Reduce Air Binding	\$ 100,000			\$ 100,000	
8	Glen Anne Weir Modifications	\$ 150,000				\$ 150,000
9	COMB Office Building Replacement	\$ 3,000,000	\$ 3,000,000			
10	Reconfigure Control Station Piping to Reduce HL	\$ 630,000				\$ 630,000
11	Goleta West Meter Modifications	\$ 200,000			\$ 200,000	
12	Right-of-Way Definition Program	\$ 1,000,000		\$ 1,000,000		
13	Investigation of Probable Repairs to the Tecolote Tunnel Lining	\$ 85,000			\$ 85,000	
14	Lake Cachuma Intake Tower Rehabilitation (lower gate operability)	\$ 85,000			\$ 85,000	
15	Elevator Shaft Rehabilitation (requires extensive repairs to reduce water intrusion)	\$ 50,000				\$ 50,000
16	Cachuma Lake Intake Tower Rehabilitation (Seismic Upgrade Investigation )	\$ 100,000				\$ 100,000
17	Sheffield Tunnel Pipe Replacement Investigation	\$ 50,000				\$ 50,000

Two projects are ranked “very high priority” in COMB’s analysis. They are the SCC Second Barrel Project and SCC Mission Creek Crossing and Fish Passage. The Second Barrel Project, a \$9.2 million project, was first identified in the 2003 COMB Reliability Alternatives Study for the Upper Reach of the South Coast Conduit. The project consists of the construction of a redundant pipeline for the SCC from the South Portal of Tecolote Tunnel to Corona Del Mar Treatment Plant. The project is highly ranked for several reasons identified in the Reliability Alternatives Report. First, the report states, “The capacity deficiencies for the SCC in the upper portion of the Upper Reach is approximately 75% of max day demand.” This implies that, given

current demands, the pipeline can only deliver slightly more than 50% of demand during peak demand periods and the system must rely on reservoir storage to meet demand. Although this is not an unusual situation for many water purveyors, it is not ideal. Second, the report states, "Significant sections of the upper portion of this reach of the SCC are structurally under reinforced by current design standards for the existing soil conditions." This would appear to be of extreme concern given that SCC is a single pipeline that could cause widespread water outages if significant failure were to occur in this section.

The second "very highly ranked" project, Mission Creek pipeline crossing, a \$2.3 million project, was first identified in the Reliability and Alternatives Study for the South Coast Conduit between Cater Booster Pump and Ortega Reservoir. It was identified as one of 10 potentially hazardous creek crossings. Subsequent analysis apparently has been completed on this particular location as to rank it so highly. According to the project description, the work would be done in conjunction with a City of Santa Barbara project to improve the stream for migrating salmon. Additionally, the project description indicates that the SCC pipe has been damaged by rock impact and repaired with a temporary concrete cap. This damaged pipe should be permanently repaired to maintain reliability. Since various elements of work need to be done, i.e. lowering pipeline below the scour line, replacing section of damaged pipe, removal of temporary concrete cap and reconfiguring of stream bed for improved fish passage, it is likely that efficiencies will occur if project is taken on as a single project.

The CIP Program also identified six projects valued at \$10.675 million ranked as "High Priority". A complete analysis was not done on these projects due to time constraints. Additional analysis can be done in the coming weeks in order to better evaluate this group of projects. Of note among the projects listed as "High Priority", are the SCC Line Valve Projects, SCC Corrosion Repairs, SCC Right of Way Definition Program and Lauro, Barker and Sheffield Vent Rehab. These projects increase both reliability and operation flexibility and appear to have a more urgent need.

Projects ranked medium and low will unlikely be completed within the next five years. Therefore a review of these projects can be done as they become more immediate and as funding is being sought. There are projects in the low priority category that should be considered higher priority, in the opinion of staff. Of particular interest to Carpinteria Valley Water District are the phase 3 and 4 Reliability and Alternatives Study. This study will review and identify deficiencies on the Carpinteria Reach of the SCC. A complete analysis of the entire project should be considered prior to embarking on a multimillion dollar capital improvement program.

In the absence of the above mentioned study it seems appropriate to point out a few known deficiencies in the Carpinteria Reach that staff is already aware of and may warrant a closer



look in light of the coming CIP program. These deficiencies include inadequate metering to the Carpinteria Valley, potential need for bypass piping in areas that the SCC flows cannot be conveyed or backfilled during shutdown, safety modification at Carpinteria Reservoir, valve replacement at Carpinteria Control Station, and turnout rehabilitation at laterals.

#### Conclusions and Recommendation

Given the long term obligations associated with the COPs and the likelihood of other projects arising from the SCC Reliability and Alternatives Studies phases 3 and 4, it is reasonable to think that more funding will be needed within the planning horizon of the CIP program. Discussion should be included in either the Proposed COP Issue Preliminary Official Statement or in an updated Capital Projects Plan regarding the implications of funding constraints. Additionally, attention should be given to other funding opportunities, particularly for projects with an element of streambed rehabilitation. These types of projects are gaining favor in the grant funding programs at both State and Federal levels.

The cost associated with the Mission Creek crossing, \$2.8 million, seems excessive given that there are six other crossings proposed totaling only \$1.5 million. If the fish passage portion of the project is driving the costs for this project, then the City of Santa Barbara should carry the cost burden of that portion of the project.

Strong consideration should be given to completing the SCC Reliability Studies phase 3 and 4 prior to completion of any of the "High Priority" projects.

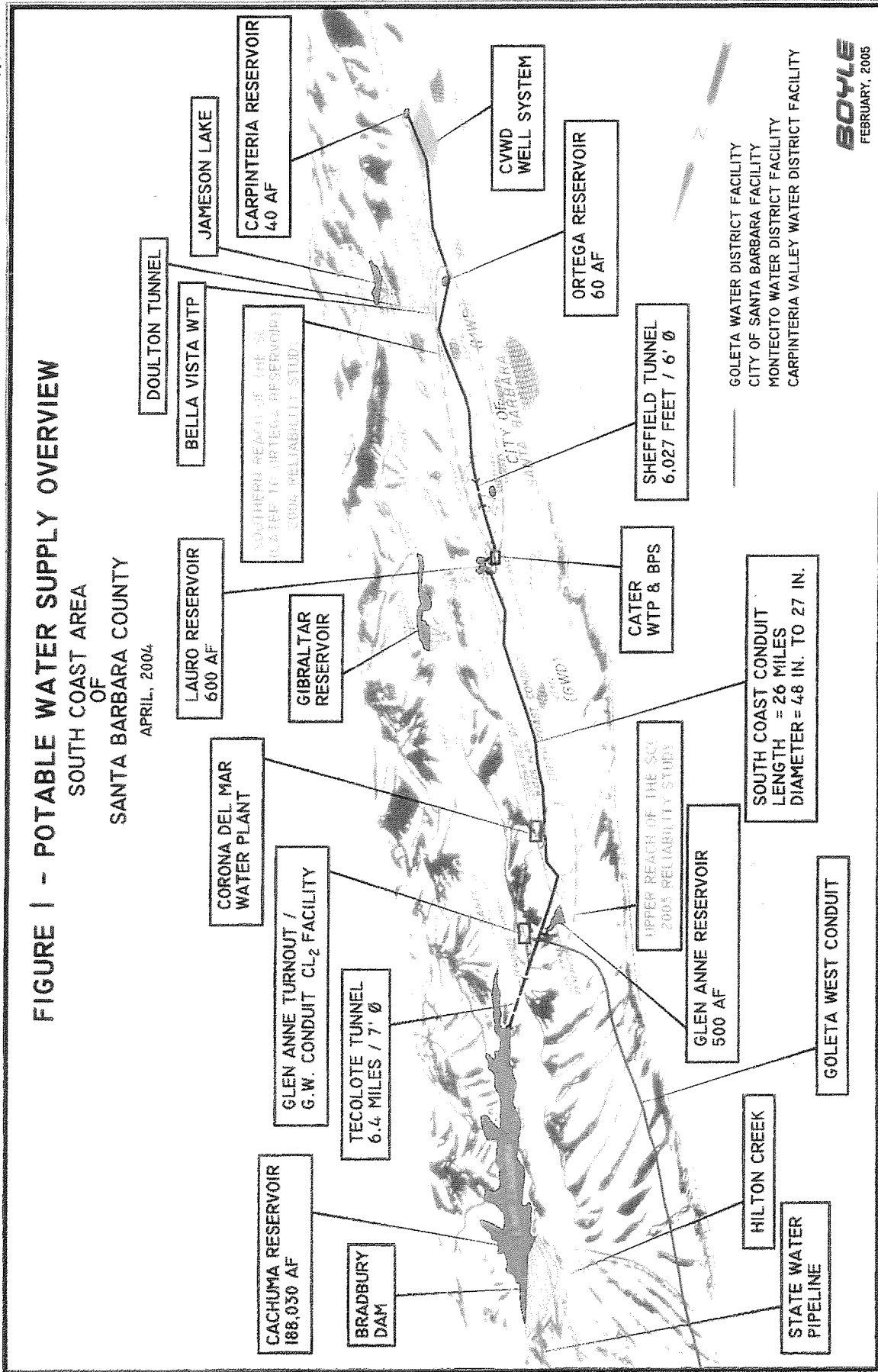
If the SCC Reliability and Alternatives Study cannot be completed prior to implementation of projects, an effort to preliminarily study SCC Reaches 2 and 4 with the member units staff in order to better identify and rank known deficiencies in those reaches should be made.

Appendix A- Project Evaluation Matrix

Proj Num	Project Name	Reach/ Facil	Budget	Type of Project	Meets Goal			Operational Flexibility
					Reliability	Capacity	Safety	
1	SCC Second Barrel Project	Upper	\$ 9,165,000.00	New Construction	Yes	Yes	No Effect	Yes
2	SCC Reliability Study ph 3 and 4	Upper/Lower	\$ 150,000.00	Study	yes	yes	No Effect	yes
3A	Mission Creek Crossing w/ Fish Passage	Lower	\$ 2,300,000.00	Improvement of exist facility	Yes	No Effect	No Effect	No Effect
3B	Six SCC Creek Crossings	Upper/Lower	\$ 1,500,000.00	Improvement of exist facility	Yes	No Effect	No Effect	No Effect
4	SCC Inline Valve installations	Upper/Lower	\$ 2,600,000.00	Improvement of exist facility	Yes	No Effect	No Effect	Yes
5	Lauro Reservoir, Barker Pass and Sheffield tunnel Vent Imp.	Upper/Lower	\$ 500,000.00	Improvement of exist facility	No Effect	yes	yes	No Effect
6A	SCC Corrosion Repairs at Appurtenances	Upper/Lower	\$ 2,075,000.00	Rehab of exist Facility	yes	No Effect	No Effect	Yes
6B	SCC Corrosion Repairs at Appurtenances	Upper/Lower	\$ 1,940,000.00	Rehab of exist Facility	yes	No Effect	No Effect	Yes
7	SCC Modifications To Reduce Air Binding	Lower	\$ 100,000.00	Improvement of exist facility	Yes	Yes	No Effect	No Effect
8	Glen Annie Wier Modifications	Upper	\$ 150,000.00	Improvement of exist facility	Yes	Yes	No Effect	Yes
9	COMB Office Bldg	N/A	\$ 3,000,000.00	New Construction	No Effect	No Effect	Yes	No Effect
10	Reconfiguration Control Station Pipe to Reduce Head Loss	Upper	\$ 630,000.00	Improvement of exist facility	Yes	Yes	No Effect	Yes
11	Goleta West Meter Modifications	Upper	\$ 200,000.00	Improvement of exist facility	No Effect	Yes	No Effect	Yes
12	SCC Right Of Way investigation	Upper/Lower	\$ 1,000,000.00	Study/ New Construction	Yes	No Effect	No Effect	Yes
13	Investigation of Probable Repairs To Tecolote Tunnel Lining	Tecolote	\$ 85,000.00	Study	Yes	No Effect	No Effect	No Effect
14	Investigation of Probable Rehabilitation of Lake Cachuma Intake Tower	Cachuma	\$ 85,000.00	Study	Yes	No Effect	No Effect	No Effect
15	Investigation of Probable Rehabilitation of Intake Tower Elevator Shaft	Cachuma	\$ 50,000.00	Study	Yes	No Effect	Yes	No Effect
16	Investigate Probable Seismic upgrade of Lake Cachuma Intake Tower	Cachuma	\$ 100,000.00	Study	Yes	No Effect	Yes	No Effect
17	Investigation of potential Sheffield Tunnel Pipe Replacement	Lower	\$ 50,000.00	Study	Yes	Yes	No Effect	No Effect
<b>Total</b>			<b>\$ 25,680,000.00</b>					

# FIGURE I - POTABLE WATER SUPPLY OVERVIEW

SOUTH COAST AREA  
OF  
SANTA BARBARA COUNTY  
APRIL, 2004



**CACHUMA OPERATION AND MAINTENANCE BOARD**

**MEMORANDUM**

**DATE:** November 24, 2008  
**TO:** BOARD OF DIRECTORS  
**FROM:** Kate Rees, General Manager  
**RE:** **Proposed Formation of a COMB Operating Committee**

**RECOMMENDATION:**

That the Board President appoint an Ad Hoc Committee to develop a recommendation regarding formation of a COMB Operating Committee.

**DISCUSSION:**

Charles Hamilton, General Manager of the Carpinteria Valley Water District (CVWD), has requested that the COMB Board consider the formation of an Operating Committee fashioned after CCWA's Operating Committee. Mr. Hamilton's letter to me is attached for your review. Because COMB will be constructing some major capital projects over the next few years, staff believes this suggestion has merit, and will allow the individual Member Units to have more direct involvement in developing, funding, and constructing COMB's capital improvement projects.

Staff, therefore, recommends that the Board President appoint an Ad Hoc Committee to develop a formal recommendation.

Respectfully submitted,



Kate Rees  
General Manager



# Carpinteria Valley Water District

1301 Santa Ynez Avenue • Carpinteria, CA 93013  
Phone (805) 684-2816 • Fax (805) 684-3170

## BOARD OF DIRECTORS

*Frederick Lemere*  
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*June Van Wingerden*  
Vice President  
*Robert R. Lieberknecht*  
*Matthew T. Roberts*  
*James W. Drain*

## GENERAL MANAGER

*Charles B. Hamilton*

November 13, 2008

Kate Rees  
General Manager  
Cachuma Operation & Maintenance Board  
3301 Laurel Canyon Road  
Santa Barbara, CA 93105-2017

Dear Ms. Rees,

As we continue to evolve toward an integrated regional water community, most recently with the impetus from Proposition 50 and the County led Integrated Regional Water Management Plan, local water managers more than ever need timely information to manage and coordinate their water supplies and manage costs.

Having informally polled the other Cachuma Operating and Maintenance Board (COMB) managers who generally support this idea, and with their informal concurrence, I have a suggestion to make. I propose that we move beyond the current level of interaction afforded by manager & attorney meetings, and consider the creation of a Cachuma Operating Committee such as the one in place for the Central Coast Water Authority (CCWA).

The CCWA Operating Committee requires that regular meetings be held by staff level representatives of its member agencies to receive and discuss CCWA staff reports relative to the State Water supply and operations of CCWA, and in many cases makes recommendations for consideration by the elected CCWA Board. I believe a structure and process much like the CCWA Operating Committee would benefit COMB member agency managers and their elected policy makers greatly by providing for a structured and considered review of information leading to Cachuma water management decisions that we do not now enjoy.

Perhaps you wish to report on this suggestion to your Board on November 24, 2008, using this letter as a starting point. Certainly some sort of task force or committee would be necessary to bring a recommendation back to the COMB directors for any possible action.

Please call me with any questions.

Sincerely,

Charles B. Hamilton  
General Manager

Cc: Board of Directors and staff  
Rebecca Bjork, Water Resources Manager, City of Santa Barbara  
Tom Mosby, General Manager, Montecito Water District  
Eric Ford, Interim General Manager, Goleta Water District  
Chris Dahlstrom, General Manager, Santa Ynez Water Conservation District, ID#1

ITEM # 11

PAGE 2

**Agenda**  
**Santa Barbara Countywide**  
**Integrated Regional Water Management Plan**  
**Cooperating Partners Meeting**  
**Thursday, November 20, 2008**  
**9:00 a.m. – 12:00 p.m.**

**Location:** Central Coast Water Authority, 255 Industrial Way, Buellton, CA 93427

**Conference call in number: 805- 681-5400**

**Passcode: 822484**

**AGENDA**

- 9:00 Welcome and introductions
- 9:05 Public comments for items not on the agenda
- 9:10 Approval of minutes from October 14, 2008 meeting
- 9:20 **Proposition 50, Step 2 Grant**
- Status Update from Matt on the BOS meeting and approval of the State Contract, MOU & Sub Agreements for the Project Components
  - Review of all information that is due from Project Proponents once the contract is executed
  - Kick-Off Meeting with Kelley List and Kennedy/Jenks on December 2, 2008 from 1:30 p.m. to 3:30 p.m. at the Granada Garage, Santa Barbara, CA
  - Review of Kelley's site visit schedule the week of December 1<sup>st</sup>
  - Schedule training with Kennedy/Jenks on the use of the website
- 10:00 **Prop 84 Conference Call with Cooperating Partners**
- Welcome and introductions
  - Public comment for items not on the agenda
- 10:10 Proposition 84, State Grant Process Overview
- Recent legislation
  - DWR "expedited process" overview
  - Status of discussions with Round Table of Regions
  - Status of Central Coast IRWMP areas
- 10:25 Santa Barbara County IRWMP status
- Approval dates
  - Conformance with Prop 84
  - Status of project list
- 10:30 Next Steps and timing of process
- Revision of project list
  - MOU for Prop 84 process
  - Process regarding expedited grant application, if appropriate
- 10:45 Adjourn Prop 84 conference call portion of the meeting

10:50 **Next steps on Prop 84**

- Project Proponents reaction/comments on conference call & Prop 84, n general
- Update from Teresa & Kate on meeting on the Oversight/Coordination Position
- Reminder of DWR meetings on Prop 84 on November 21, 2008 at Goleta Sanitary District, 1 Moffett Place, Goleta, CA 93117; one from 10:30 a.m. to 12:30 p.m. and one from 1:00 p.m. to 3:00 p.m.; The call in number is 805-681-5400 and the passcode is 854843

11:45 **Next Meeting:** Kick-Off Meeting with Kelley List and Kennedy/Jenks on December 2, 2008 from 1:30 p.m. to 3:30 p.m. at the Granada Garage, Santa Barbara, CA

12:00 **Adjourn**

**DRAFT Meeting Minutes**  
**Santa Barbara Countywide**  
**Integrated Regional Water Management Plan**  
**Cooperating Partners Meeting**  
**Tuesday, October 14, 2008**  
**1:00 pm – 4:00 pm**

**Location**

2<sup>nd</sup> Floor Conference Room, Granada Garage, Santa Barbara, CA 93101

**Conference call in number: 805- 681-5400**

**Passcode: 371911**

**Attendees**

**Cooperating Partners**

Tom Conti, City of Santa Barbara; Janet Gingras, COMB & Cachuma Conservation Release Board; Bob McDonald, Carpinteria Valley Water District; Matt van der Linden for Gary McFarland, Goleta Water District; Craig Murray, Carpinteria Sanitary District; Matt Naftaly, Santa Barbara County Water Agency; Teresa Reyburn, City of Santa Maria; Marty Wilder, Laguna Sanitation District; Kathleen Werner, Goleta Sanitary District.

**On the Conference Call**

Rob Almy, SAIC; David Chang, Agricultural Commissioner's Office, Santa Barbara County; Tom Fayram, Santa Barbara County Water Agency; Kelley List, State Water Resources Control Board; Ruben Moreno, City of Guadalupe.

**Others Present**

Tom Evans, Dudek; Jane Gray, Dudek

**Proceedings**

The meeting began at 1:10. There were no public comments for items not on the Agenda. The Meeting Minutes were not read or approved at the meeting, instead the meeting minutes were sent out to all of the Project Proponents by email following the October 14, 2008 meeting.

**Proposition 50, Step 2 Grant**

Matt Naftaly announced that the contract with Kennedy/Jenks had been negotiated at a lower price than originally proposed by making some adjustments to the Scope of Work, including deletion of one meeting and a conference call. The Kennedy/Jenks contract is scheduled to begin on December 1, 2008, and will be accompanied by a "Kick-Off" meeting in December. Matt also announced that Dudek was awarded a contract for Administrative Support Services (as extension of County staff) for the Implementation Phase of the Grants associated with Proposition 50. Some of the project proponents requested a copy of Dudek's Scope of Work and it was agreed that the Scope of Work would be provided to everyone.

The discussion of a current contact list was brought forward, specifically in relation who should be the main contact for each project. Project proponents agreed to provide the most current contact information either on the sign-in sheet at the meeting or in subsequent emails to Dudek.



Tom Evans discussed changes to the contract with the State Regional Water Quality Control Board, specifically the proponents' scopes of work and the project proponents' timelines with respect to completion of tasks. He also announced that the Agreement would be sent out once again for all project proponents to look over. It was requested that the proponents give their comments to Dudek & the Water Agency for transmittal to the State by the end of October.

Matt Naftaly stated that Water Agency was going to the Board of Supervisors on November 18, 2008 for approval of the IRWMP Agreement and that all MOUs and Subgrant Agreements from the partner agencies would need to be signed, approved and returned to the Water Agency by the November 18, 2008 date.

Tom Evans then discussed the changes that had been made to the MOU and Sub Grant Agreements, specifically turning the attention of the proponents to the spreadsheet of costs located at the back of the MOU relating to the cost sharing of the grant administration. The numbers did not correctly reflect the proponents' shares and a commitment was made to get the corrected table and agreement to the proponents by week's end. In relation to year two of the grant administration, Tom (Evans) clarified that there were estimates entered into the spreadsheet as no definitive numbers could be given. It was agreed that at the appropriate time in the future, this table would be updated.

### **Prop 84-What's next?**

Teresa Reyburn reported that the "sub-committee" meeting on an oversight and coordination position for Prop 84 was moved to Thursday, October 16, 2008 and that a report on the discussion/outcome of that meeting would be tabled until the November 20, 2008 IRWMP meeting.

Rob Almy gave a brief update on the status of Prop 84 and several agencies indicated an interest in the grant process. Rob indicated that the Department of Water Resources would be conducting workshops in the near future and urged a collaborative effort in to secure grant funding.

The Cooperating Partners email/contact list from Prop 50 would be updated and used for the Prop 84 process.

### **Next Meeting**

The next meeting was tentatively scheduled for November 19, 2008 at the Conference Room of CCWA in Buellton from 9 a.m. to 12 p.m.

### **The meeting was then adjourned**

October 13, 2008

Tom Fayram, Deputy Director Water Resources  
Santa Barbara County Water Agency  
123 East Anapamu Street  
Santa Barbara, CA 93101

**Subject: Administrative Support Services (as extension of County staff) for the  
Implementation Phase of the Grants associated with Proposition 50**

It is our pleasure to submit this proposal for Administrative Support Services for the implementation phase of the grant process for Prop 50. We are proposing the services of Tom Evans, Principal Engineer and Jane Gray, Environmental Planner for this assignment. Together they will handle the Water Agency's (Agency) temporary workload associated with: 1) reviewing and coordinating the data gathering and reporting requirements work done by Kennedy/Jenks (as agreed to in a separate contract) and 2) the communication, coordination and administration of the grant process associated with the 14 projects under the IRWM Plan. The result of this assignment will be the successful overall administration of Prop 50 funds for the 14 projects.

Tom Evans' role will be to oversee the process and provide input on document preparation, guidelines compliance, technical review, recommendations to resolve conflicts, if any arise, and to act as the program administrator on behalf of the County. Jane Gray will be the primary contact for the routine transfer of information related to the administration, schedule and coordination of ongoing communication. Ms. Gray will function as an extension of County staff in that respect and will interact and support the effort of the Agency's consultant, Kennedy/Jenks, on the administration. In addition, Ms. Gray will function as the primary point of contact for the Cooperating Partners (Partners) and Kennedy/Jenks to facilitate the flow of information among the participants in this process.

Listed below are the various tasks that may be involved in support of the review and coordination of the application process. The tasks outlined below are typical tasks as we currently foresee. Tasks may be refined or changed as the process becomes more defined over time.

- I. Regular communication and coordination with staff at Kennedy/Jenks regarding the project Partners' participation in a functional administrative system to gather, compile, report and store project related information that must be reported to the State of California precedent to obtaining reimbursement for project related expenses.


2. Arrange and coordinate monthly Partner's meeting, Stakeholder meetings and conferences calls as needed. Tasks may include, but are not limited to, the following:
  - a. Arrange logistics for the monthly meeting place and meeting time
  - b. Confirm agenda with County
  - c. Send e-mail notices regarding meeting details to the team
  - d. Prepare meeting minutes
  - e. Distribute meeting minutes to Partners via email
3. Communicate with interest groups, stakeholders who will include community based organizations, groups and individuals as directed.
4. Coordination with Disadvantaged Communities (DACs) for information requests as it relates to direct grant implementation and execution of tasks. This may require two to three meetings with the various DACs.
5. Coordination with State agency staff members (DWR and SWRCB) regarding grant requirements, timeliness and clarifications as needed.
6. General administrative tasks such as but not limited to:
  - a. Establish and maintain central set of files, both electronic and paper, in SBCWA space for grant administration and project information.
7. Invoicing as it relates to the agency cost sharing for the coordination and review effort will involve:
  - a. Coordination with County accounting
  - b. Help in preparing invoices, mailing lists, etc
  - c. Keeping track of Partners contributions
  - d. Contacting agencies who are late with payment
  - e. Assistance in the review of Kennedy/Jenks' invoices
8. Ongoing IRWMP General Administration will involve on-going coordination with the Partners and the County regarding the IRWMP process and its relation to the region for Prop 50 (Prop 84 Administration can also be included should the County be interested in the services of Dudek, however it is not included in this proposal) and other future funding sources related to the Plan.

Santa Barbara County Water Agency  
IRWMP Support Proposal  
September 30, 2008

Per the Dudek 2008 Schedule of Charges, Ms. Gray's billing rate is \$125 per hour and Mr. Evans' rate is \$180 per hour. This contract for Administrative Services related to the successful overall administration of Prop 50 funds for the 14 projects will be 1 year in duration, and will terminate on October 1, 2009. This contract will not be billed in excess of \$51,590 during this time period without prior authorization by the Agency. Table I following this proposal outlines what Dudek expects to spend on each task as outlined above. Direct costs, such as, but not limited to, postage for meeting notices, mileage involved with out of town meetings, and costs for reproduction will be charged according to Dudek's standard schedule of charges attached. Advertising costs, if incurred by Dudek, will be charged to the County as part of the normal invoicing procedures.

We thank you very much for the opportunity to submit this proposal. If you have any questions, please contact me at 805-963-0651 ext. 3531 or via email at [jgray@dudek.com](mailto:jgray@dudek.com).

Sincerely,



Jane Gray  
Environmental Planner  
Dudek



Thomas C. Evans, PE  
Principal Engineer  
Dudek

Enclosures: Dudek 2008 Standard Schedule of Charges

<b>Task Item</b>	<b># of Hours Jane Gray (\$125 per hr)</b>	<b># of Hours Tom Evans (\$180 per hr)</b>	<b>Total Cost per Task</b>
<b>Task 1-</b> Coordinate with Kennedy Jenks on reporting system & deliverables to the State of California	26	10	\$5,050.00
<b>Task 2 -</b> Arrange & Coordinate Monthly Meetings & Conference Calls Meeting	38	0	\$4,750.00
<b>Task 3 -</b> Communicate with Partners and interest groups, including community based organizations, groups and individuals as needed & required	26	12	\$5,410.00
<b>Task 4-</b> Coordination with Disadvantaged Communities (DACs) as it relates to direct grant implementation & execution of tasks	32	16	\$6,880.00
<b>Task 5 -</b> Coordination with State agency staff members (DWR and SWRCB) regarding grant requirements, timeliness and clarifications as needed	30	10	\$5,500.00
<b>Task 6-</b> General administrative tasks	42	18	\$8,490.00
<b>Task 7-</b> Invoicing as it relates to the agency cost sharing for the coordination & review of the projects	42	16	\$8,130.00
<b>Task 8-</b> Ongoing IRWMP General Administration will involve on-going coordination with the Partners & the County regarding the IRWMP process and its relation to the region for	36	16	\$7,380.00
<b>Total Costs</b>	<b>272</b>	<b>98</b>	<b>\$51,590.00</b>

## Kate Rees

---

**From:** Almy, Robert A. [ROBERT.B.ALMY@saic.com]  
**Sent:** Friday, November 14, 2008 9:46 AM  
**To:** ALMY, ROBERT B.; smv.waterconservation@verizon.net; kazoury@goletasanitary.org; jbarget@vvcasd.org; kbarnard@dock.net; wjb@ccwa.com; dchang@agcommissioner.com; cdahlstrom@syrwd.org; jdameron@lacumbrewater.com; daved@ci.carpinteria.ca.us; BFerguson@SantaBarbaraCa.gov; jfrye@cosbpw.net; dgabriel@montsan.org; gorley\_robin@yahoo.com; charles@cvwd.net; glmcfarland@goletawater.com; jmcmanus@summerlandsd.org; rubenm@att.net; wwmorgan@gswater.com; tom@montecitowater.com; CraigM@carpsan.com; Mnaftal@co.santa-barbara.ca.us; mnation@goletawest.com; f\_priore@ci.lompoc.ca.us; Kate Rees; treyburn@ci.santa-maria.ca.us; mwriley\_mhcsd@verizon.net; operations@cygcd.com; citymanager@cityofbuellton.com; mvanderlinden@goletawater.com; bradv@cityofsolvang.com; wwoodard@gswater.com; bwales@syrwcd.com; kwerner@goletasanitary.org; mwilder@cosbpw.net; ccsd@inreach.com  
**Cc:** Naftaly, Matt; Jane Gray; Tom Evans  
**Subject:** Proposition 84 funding process update  
**Attachments:** RoRSurveyResults\_081110.doc

### Proposition 84 Cooperating Agencies in Santa Barbara County

At the Roundtable of Regions meeting yesterday Tracie Billington (DWR) provided the Proposition 84 update/summary below.

I expect the State-hosted meetings next week will cover the same information.

The funding amounts/profiling is all information that has been provided in prior e-mails.

However, the Schedule is slowed down, near term schedule changes being:

- Region Acceptance Process – Draft out December/January
- Expedited Round Implementation Grant Guidelines – Draft out Feb/March
- Expedited Round Review Process – Applications due May/June

Roundtable of Regions participants agreed that DWR should include in its information upper and lower boundaries on grant amounts that funding areas can expect in the expedited funding round.

Participants also agreed that the Regional Acceptance Process guidelines need to allow for different types of boundaries (watershed, political, other), if those boundaries make sense for the individual planning area and the rest of the funding/hydrologic area.

DWR was asked to provide an example Prop 84 grant agreement/contract early.

Finally, the Roundtable circulated a survey among its members some weeks ago. The results are attached.

Robert B. Almy, PG.  
Senior Environmental Scientist  
221 3rd Street|Bldg. A  
Newport, RI 02840  
<http://www.saic.com/environment>  
[almyr@SAIC.COM](mailto:almyr@SAIC.COM)  
Desk (401) 848-4709  
Cell (805) 448-6815

**From:** Billington, Tracie  
**Sent:** Thursday, November 13, 2008 8:24 AM  
**To:** 'Tracy Hemmeter'; 'dcozad@intpln.com'  
**Subject:** Summary of SBxx1 IRWM/SWFM Program

ITEM # 126  
PAGE 1

Here is the summary that I promised folks yesterday.

### IRWM Funding

\$181,791,000<sup>1)</sup> for IRWM activities as follows of which (PRC §83002.b(3)(A)):

- \$100,000,000 for Implementation Grants
  - 10% for projects to assist DACs
  - \$20,000,000 to support urban and ag water conservation projects necessary to meet 20X2020 reduction goal
  - Eligible project must be part of an IRWMP that either:
    - Meets the requirements of CWC §10530 (as amended by SBxx1), or
    - For IRWMPs adopted before 9/30/2008 – the Regional Water Management Group agrees to update the IRWM within 2 years of entering into an agreement with DWR and undertakes efforts to take into account water-related needs of DACs
- \$39,000,000 for Planning Grants and Local Groundwater Assistance Grants
  - \$30,000,000 for IRWM Planning grants
  - \$9,000,000 for Local Groundwater Assistance grants
  - 10% for planning to assist DACs
- \$22,090,000 for Interregional-Statewide benefit projects
  - \$10,000,000 for expenditure to interconnect aqueducts that cross the Delta
  - \$2,000,000 to Tulare County for development of an integrated water quality and wastewater treatment program plan
    - DWR, in consultation with DPH, must submit the plan to the legislature by 1/1/2011
- \$20,700,000 for program delivery

### Stormwater Flood Management Funding

\$150,000,000<sup>1)</sup> for grants for stormwater flood management projects that reduce flood damage and provide other benefits (PRC §83002.a(2)), of which:

- Not less than \$100,000,000 for projects that address immediate public health and safety needs, strengthen existing flood control facilities to address seismic safety issues.
- Not less than \$20,000,000 for local agencies to meet immediate water quality needs related to combined municipal sewer and stormwater systems to prevent sewage discharge to State waters.
- Not less than \$20,000,000 available for urban stream stormwater flood management projects to reduce frequency and impacts of flooding in watersheds that drain to San Francisco Bay.

### Upcoming Activities

- Region Acceptance Process – Draft out December/January
- Expedited Implementation Grant Program
  - Guidelines – Draft out Feb/March
  - Review Process – Applications due May/June
- Develop (Long-term) Program Guidelines – Spring 2009
  - IRWM Plan Standards – SBxx1 repeal & replace IRWM Planning Act (CWC §10530 *et seq.*)
- Planning Grant Program – Summer 2009
  - IRWM
  - Regional Flood Management
- Implementation Grant Program – FY20 09-10
  - IRWM
  - Stormwater Flood Management

1) Funding will not exist until March 2009

## Legislation Affecting Expedited Round Guidelines

### Executive Order S-06-08

DWR to expedite grant funding. DWR proposes that drought concerns will be a preference and not a mandate.

### Urban Water Management Plans

Urban Water Management Planning Act (CWC § 10610 et seq) provides that urban water suppliers must prepare, adopt, and submit UWMPs to DWR in compliance with the Act to be eligible for funding.

### AB1420 compliance

Section 10631.5 of the CWC was amended to condition eligibility for water management grants and loans for urban water suppliers to implementation of demand management measures.

### Groundwater Management Plans

Project proponents with projects with potential groundwater impacts must have, be subject to, or develop a CWC § 10753.7 compliant GWMP.

### Prop 84 Bond Law Requirements

Provides funding for projects that:

- "...assists local public agencies to meet long term water needs of the state including the delivery of safe drinking water and the protection of water quality and the environment." (PRC §75026(a))

Funded projects must (PRC §75026(a)):

- Be consistent with an adopted IRWM or its functional equivalent
- Provide multiple benefits
- Include one or more of the following project elements:
  - Water supply reliability, water conservation and water use efficiency
  - Storm water capture, storage, clean-up, treatment, and management
  - Removal of invasive non-native species, the creation and enhancement of wetlands, and the acquisition, protection, and restoration of open space and watershed lands
  - Non-point source pollution reduction, management and monitoring
  - Groundwater recharge and management projects
  - Contaminant and salt removal through reclamation, desalting, and other treatment technologies and conveyance of reclaimed water for distribution to users
  - Water banking, exchange, reclamation and improvement of water quality
  - Planning and implementation of multipurpose flood management programs
  - Watershed protection and management
  - Drinking water treatment and distribution
  - Ecosystem and fisheries restoration and protection

DWR shall:

- Give preference (PRC § 79026(b)) to proposals that satisfy the following:
  - Proposals that effectively integrate water management programs and projects within a hydrologic region identified in the California Water Plan; the Regional Water Quality



Control Board region or subdivision or other region or sub-region specifically identified by the department

- Proposals that effectively integrate water management with land use planning
- Proposals that effectively resolve significant water-related conflicts within or between regions
- Proposals that contribute to the attainment of one or more of the objectives of the CALFED Bay-Delta Program
- Proposals that address statewide priorities
- Proposals that address critical water supply or water quality needs for disadvantaged communities within the region

#### Prop 84 General Requirements

- Defines DAC
- Water quality monitoring shall be integrated into the SWRCB's Surface Water Ambient Monitoring Program (PRC §75072)
- A labor compliance program is required for public works project financed in any with Prop 84 funds (PRC §75075)
- Chapter 3.5 (starting with §11340), Part 1, Div 3, Title 2 of the Government Code does not apply to the development and adoption of program guidelines and selection criteria (PRC §75076)

#### **Summary of AB739 Requirements for IRWM funds**

DWR and SWRCB shall consult on the development of project selection and evaluation guidelines for municipal stormwater management to avoid duplication and maximize water quality benefits ((PRC §75050.4)

#### **Summary of SB1xx Requirements**

DWR shall accomplish the following objectives (PRC §83001):

- Integrate state flood protection and water supply systems
- Promote conjunctive use of groundwater storage capacity to improve overall water supply and flood system operation
- Promote increase water use efficiency through expanded use of water conservation, water recycling, and improvements in technology

Appropriations and Funding Targets presented in the November Workshop Slides.

#### General Requirements

- Up to 5% of funds may be expended on program delivery (PRC §83002.6)
- Funds are available for encumbrance until June 30, 2010 (PRC §83002.7)

## Prop 1E Stormwater Flood Management Project

### From Prop 1E PRC Section 5096.827 for stormwater flood management projects that:

- Non-state cost share of not less than 50%; and
- Not part of the State Plan of Flood Control; and
- Manage stormwater to reduce flood damage; and
- Consistent with Basin Plan; and
- Are consistent with an IRWM plan (are part of an IRWM plan)

### From AB 739

- Project Preferences - project reduces flood damage and one or both of:
  - Not receiving state funding for flood control or flood prevention projects pursuant to Section 5096.824 or Section 75034 (Flood Control Subventions funding);
  - Provides multiple benefits, including, but not limited to, water quality improvements, ecosystem benefits, reduction of instream erosion and sedimentation, and groundwater recharge.

### Summary of SB1xx Requirements

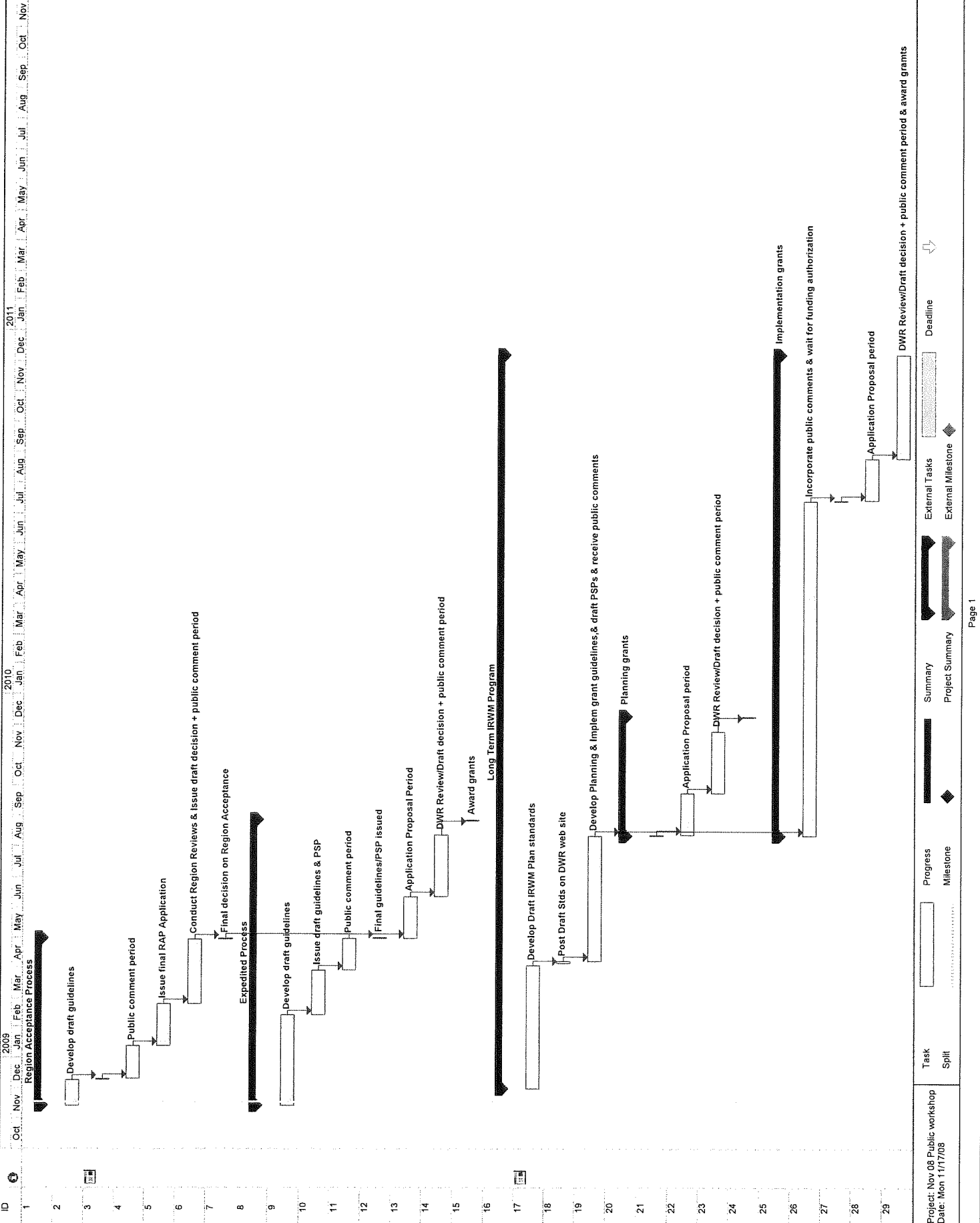
DWR shall accomplish the following objectives (PRC §83001):

- Integrate state flood protection and water supply systems
- Promote conjunctive use of groundwater storage capacity to improve overall water supply and flood system operation
- Promote increase water use efficiency through expanded use of water conservation, water recycling, and improvements in technology

### General Requirements

- Up to 5% of funds may be expended on program delivery (PRC §83002.6)
- Funds are available for encumbrance until June 30, 2010 (PRC §83002.7)

Appropriations and Funding Targets presented in the November Workshop Slides.



ITEM # 126  
PAGE 6

Potential Issues to be addressed in  
Memorandum of Understanding (MOU)  
Proposition 84 Process  
In Santa Barbara County

Topic

Participation by local agencies in the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Act (also known as Proposition 84)

Purpose of MOU

A new MOU would supersede elements of the October 2007 MOU pertaining to Proposition 84; it would update and extends concept contained in previous agreements and commitments.

- establish a framework for ongoing regional participation in the Prop 84 process
- commit Cooperating Partners to participate
- define Cooperating Partners' financial contribution
- revise as necessary County-wide Integrated Regional Water Management Plan (IRWMP).
- set forth the mutual responsibilities of the County and Cooperating Partners

Content of agreement

Principles

- A. Be consistent with the State's standards for IRWMPs, as specified in Chapter 8, Division 43 of California's Water Code and related guidelines, and meet or exceed the expected scoring criteria used by the State in its IRWMP approval process.
- B. Establish a process for on-going decision-making among cooperating partners, with inclusive and participatory public involvement to ensure meaningful input.
- C. Share the costs of IRWM planning, analysis, coordination, and product development through both monetary contributions and staff time.
- D. Adopt a *regional* approach which coordinates water planning across jurisdictional boundaries in Santa Barbara County, and which sets priorities on a regional basis.
- E. Adopt an *integrated* approach to address the complex inter-relationships across strategies for: water supply, demand management, water quality, source water protection, drought management, flood control, and other water management issues.
- F. Consider the State's "program preferences" (as specified in the California Water Code and implementing legislation) as well as "Statewide priorities" (as specified in the IRWM Guidelines) during the IRWM planning process.
- G. Incorporate an appropriate level of scientific watershed assessment information.

- H. Modify the plan to continue as an informational “roadmap” toward meeting objectives, but not as a regulatory or enforceable mandate.
- I. Recognize the need for a long-term perspective, which includes monitoring of project and plan implementation.
- J. Provide for adaptive management for future revisions to the Plan.
- K. Provide for coordination with other IRWM Planning efforts in the Central Coast Region.

#### Scope of an IRWM Plan

IRWMP must be revised as necessary to be consistent with the State’s expected IRWM guidelines, including consideration of all State mandated strategies. The IRWMP may also consider other strategies as determined by the steering committee.

#### Schedule

To take into account funding cycles for Planning and Implementation Grant including development of a grant application to meet costs of revising the IRWMP.

The timeline for developing an IRWMP is largely driven by the need to submit water *project implementation* grant proposals to DWR.

#### Cost Estimate:

Each of the Cooperating Partners will incur costs for

- County staff time devoted to the development of an IRWMP.
- hiring a consultant to serve as Project Manager for a minimum of one year, depending on the State process, with duties for coordination, analysis, outreach and plan revision

#### Allocation approach

Use Prop 50 approach: allocate costs by approximate service area population. Where two or more Cooperating Partners serve the same general population, they may agree to share the costs between themselves.

#### Roles and Responsibilities

The County Water Agency, in conjunction with the Cooperating Partners and a consultant, would facilitate the ongoing Advisory Stakeholders Group to provide input to the Cooperating Partners in periodic meetings or in other forums.

The County Water Agency would establish an IRWMP account for handling the monetary contributions from Cooperating Partners.

Cooperating Partners would pay their respective contributions to the County Water Agency by date certain to coincide with approval of the MOU. If insufficient funds are

collected to meet the estimated costs of coordination and plan preparation, then the County Water Agency may ask all Cooperating Partners to provide supplemental funds.

The planning effort may be terminated with the concurrence of a majority of the Cooperating Partners.

#### Decisions Related to Development of the IRWMP

In development of an IRWMP, the Cooperating Partners are to establish a Steering Committee to provide overall guidance and decision making.

County staff would act as Chair of the Steering Committee. Decisions by the Steering Committee will be based on consensus whenever possible, or by a vote of a simple majority of all members participating in a meeting.

The Steering Committee would carry out all of its proceedings in accordance with the Brown Act. Pursuant to this Act, a majority of Steering Committee members must be present to constitute a quorum for decision-making.

#### Termination of Participation

## Appendix A: List of Cooperating Partners

***NOTE: What follows is a list of potential partners. A final list will be prepared based on the actual signatories to the MOU.***

### County Agencies:

Santa Barbara County Water Agency  
SB County Public Works Department, Laguna Sanitation  
SB County Parks Department

### Cities:

City of Buellton  
City of Carpinteria  
City of Goleta  
City of Guadalupe  
City of Lompoc  
City of Santa Barbara  
City of Santa Maria  
City of Solvang

### Water Districts:

Carpinteria Valley Water District  
Goleta Water District  
Montecito Water District  
Santa Maria Valley Water Conservation District  
Santa Ynez River Water Conservation District  
Santa Ynez River Water Conservation District, ID#1

### Water Companies:

Golden State Water Company  
La Cumbre Mutual Water Company

### Sanitary Districts:

Carpinteria Sanitary District  
Goleta Sanitary District  
Goleta West Sanitary District  
Montecito Sanitary District  
Summerland Sanitary District

### Community Service Districts:

Casmalia Community Service District  
Cuyama CSD  
Los Alamos CSD  
Mission Hills CSD  
Vandenberg Village CSD  
Santa Ynez CSD

### Joint Powers Agencies:

Cachuma Conservation and Release Board  
Cachuma Operations and Maintenance Board  
Central Coast Water Authority

**CACHUMA OPERATION AND MAINTENANCE BOARD  
AND  
CACHUMA CONSERVATION RELEASE BOARD**

October 30, 2008

**BY CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Jack Collins, Resource Specialist  
United States Bureau of Reclamation  
1243 'N' Street  
Fresno, CA 93721

RE: Comments on Draft Environmental Impact Statement for the Cachuma  
Lake Resources Management Plan

Dear Mr. Collins:

Thank you for the opportunity to provide the United States Bureau of Reclamation ("Reclamation") with comments on its Draft Environmental Impact Statement (the "EIS") for the Cachuma Lake Resources Management Plan ("RMP"). These comments are being submitted on behalf of the Cachuma Operation and Maintenance Board ("COMB") and Cachuma Conservation Release Board ("CCRB") (collectively, the "Agencies").

**I. INTRODUCTION**

COMB is a joint powers agency comprised of the five Cachuma Project Member Units ("Member Units"), the Carpinteria Valley Water District, City of Santa Barbara, Goleta Water District, Montecito Water District, and the Santa Ynez River Water Conservation District, Improvement District No.1. COMB is responsible for the operation and maintenance of the Cachuma Project water supply conveyance facilities. CCRB is also a joint powers agency and represents the South Coast Member Units' interests in Cachuma Project water rights and endangered species issues. The Member Units collectively provide water service to approximately 9,000 customers in the Santa Ynez Valley and about 200,000 people on the South Coast of Santa Barbara County, as well as more than 40,000 acres of irrigated agriculture. The Cachuma Project provides about 70% of the total water supply to the Member Units.

ITEM # 13  
PAGE 1



Because of the Member Units' substantial reliance on Lake Cachuma, any recreational activity which may adversely impact the ability to utilize their water supply is of great importance. In addition, the Member Units have interests in the Santa Ynez River watershed that reach beyond protection of water quality and water supply facilities at Lake Cachuma. They have been involved with interagency cooperative efforts to study and improve the federally listed Southern California Steelhead ("steelhead") fishery in the lower Santa Ynez River system for over fifteen years, and are actively implementing the flow and non-flow management actions identified in the Lower Santa Ynez River Fish Management Plan and Cachuma Project Biological Opinion in cooperation with Reclamation.

The Agencies' comments are primarily focused on the following areas: (a) RMP/EIS assumptions; (b) analysis of the environmental effects of recreational activities that may impact water quality or water supply delivery facilities; (c) potential impacts to the steelhead fishery; (d) updating the alternatives analysis to include current information; and (e) responsibility for implementing and funding the RMP's mitigation measures. Following a brief summary, a more detailed discussion is presented of the Agencies' comments.

With regard to Reclamation's assumptions, the RMP/EIS acknowledges the importance of Lake Cachuma to the area's water supply, and states that the original purpose for constructing Bradbury Dam was "to provide irrigation, domestic, and municipal and industrial water supplies to nearby water supply agencies." (EIS at p. 1-1.) Despite these acknowledgements, the analysis in the EIS does not treat recreational uses as subordinate to those of providing a clean and reliable water supply to nearby communities. This results in an RMP/EIS that is tipped in favor of expanded recreation.

The Agencies have several concerns regarding potentially adverse impacts to water quality and water supply. First of all, despite the extensive boat inspection and Quagga mussel prevention program in place at Cachuma Park, there is a very real possibility, in future, that invasive mollusks will be transferred from launched boats into Lake Cachuma, and infest both the Lake and the water delivery infrastructure that is crucial to providing water supply in Santa Barbara County. There is also a significant risk that increased equestrian, bovine, and, particularly, human body contact will cause significant bacterial and pathogen loads to develop in a Lake that serves as the primary source of drinking water. Lastly, the EIS acknowledges that as much as 30 percent of the fuel used by carbureted two-stroke engines is discharged unburned into the water, yet fails to grapple with the water quality impacts of continuing to allow boats with two-stroke engines to use the Lake.

The RMP/EIS does not examine the potential impacts of continued or increased recreational fish stocking in Lake Cachuma to the steelhead fishery in the lower Santa Ynez River. When the reservoir spills, stocked fish escape over Bradbury Dam to downstream areas and (in the case of bass) prey upon or (in the case of stocked trout) interbreed with the native steelhead that currently reside in the mainstem river and tributaries below Bradbury Dam. It also does not address potential impacts to the downstream fishery if a Quagga mussel infestation does occur and the mollusks clog the Hilton Creek and Bradbury Dam outlet works, thus reducing

required water releases to maintain steelhead rearing habitat or supplement migration passage flows.

Much of the alternatives analysis was prepared several years ago and has not been updated to reflect new information and events of the past few years. Because these are not acknowledged or analyzed, the mitigation measures described in the document may be insufficient to reduce the impacts of the proposed alternatives.

Finally, the Agencies request that the EIS make very clear that Reclamation and its local managing partner are the agencies responsible for mitigating the environmental effects of Reclamation's RMP and for providing all funding for the mitigation actions.

## II. SUMMARY OF COMMENTS

### A. RMP/EIS Assumptions

As Reclamation acknowledges in the first few pages of its RMP/EIS, the primary purpose of Lake Cachuma is to store and deliver water for municipal, industrial, and agricultural uses (EIS at p. 2-4) and notes that "the original Project purpose recognized that public recreation was an incidental benefit of the Project." EIS at p. 1-2. Indeed, the EIS states that the first objective of the RMP is to "protect the water supply and water quality functions of Cachuma Lake". However, the RMP/EIS alternatives analyses imply that enhancing recreational opportunities has, in practice, been elevated to a purpose equal to the provision of safe, high quality drinking water. This is demonstrated by the fact that the foremost objective of the RMP is described as doing both; that is: "protect water quality . . . while enhancing natural resources and recreational opportunities." EIS at p. 1-3. The fact that these goals are somewhat contradictory is not addressed. The Agencies agree with Reclamation that protection of the water quality and water supply of the reservoir must take primacy, but the EIS must recognize that primacy throughout its analysis, not just in its introduction.

The Purpose and Need Statement assumes that recreational opportunities at the Lake need enhancing. EIS at p. 1-3. This fundamental assumption is not consistent with other portions of the EIS, which state that population growth in the surrounding counties is expected to be "low" and that "growth in recreational demand for Cachuma Lake is somewhat unknown." EIS at p. 4-58. Furthermore, boat usage on Cachuma Lake has decreased (EIS at p. 4-40), and "the annual number of vehicles visiting the Plan Area is decreasing . . ." EIS at p. 3-77. Despite this, "growth is assumed" by Reclamation. EIS at p. 4-58. Data demonstrating a need for increased recreational opportunities should be provided.

### B. Environmental Effects of Recreational Activities that May Impact Water Quality or Water Supply

#### 1. Effects Related to Quagga and Zebra Mussels

In recent years, the Quagga mussel and its closely related cousin the Zebra mussel have become a major concern for water supply agencies around the nation. These species were inadvertently transplanted to the Great Lakes area of the United States in the ballast water of ships traveling from certain Eastern European sea drainages and river systems. Quagga mussels have now spread throughout the Great Lakes region, the Mississippi River system, Lake Mead and its lower basin, the Colorado River Aqueduct system, which serves Southern California, and Zebra mussels have now reached Central California, completely infesting San Justo Reservoir in San Benito County.

As we are all aware, these mollusks wreak havoc on water delivery facilities, covering every inch of available surface in layers up to a foot thick. They consume vast quantities of nutrients from the water bodies they infest, leaving little in the way of food for native fish and other aquatic species and causing devastating impacts to natural ecosystems. Additionally, these mollusks can completely fill water pipelines, block filtration facilities, and cause increased corrosion of water conveyance facilities. Their removal often requires shutting down the facilities and manual removal of the mussels through pressurized hot water, the application of high saline solution, smothering through the wide-spread application of plastics for many weeks, or mechanical removal through sand blasting or manual scraping. The eastern portions of the United States have already suffered direct economic costs of over \$100,000,000 annually. In the west, impacts are likely to be as severe, if not more so, due to warmer water temperatures, abundant food supply, greater dependency on transporting water over long distances, and highly stressed aquatic ecosystems. The significance and potential impact of Quagga and Zebra mussels cannot be overstated.

Reclamation's RMP/EIS acknowledges that Alternatives 2 and 3 would both increase boat use at Lake Cachuma. EIS pp. 4-27, 4-31. The EIS also states that this increased boat usage comes with an increased risk that Quagga and/or Zebra mussels could be introduced into Lake Cachuma (EIS at p. 4-37), and that these "mussels can multiply quickly and clog waterways and pipelines, affect lake ecosystems, and create costly maintenance issues. However, the EIS concludes that, through the implementation of boat inspection procedures, there would be "no impact" caused by Quagga or Zebra mussels. EIS at p. 4-71 (Table 4.12-1). The analysis is both contradictory and incomplete.

First, the RMP/EIS states that quarantine and inspection protocols will be re-evaluated from time to time to determine their effectiveness and, should exotic mussels be found in the Lake, further protective measures would be suggested. However, Reclamation also admits that once a water body is infested, there is no means to completely eradicate the mussel species. Although efforts are being made to develop methods of controlling the growth and spread of these mussels, no effective eradication method in a natural system currently exists. Moreover, inspection and quarantine procedures are far from fool-proof. Quagga and Zebra mussels can be difficult to see when hidden on the mechanical assemblages of boats. Moreover, the mussels can survive for several days even when out of water, and their microscopic offspring can be transported in a minimal amount of water. Therefore, the Agencies request that Reclamation

consider potential mitigation for any environmental effects, such as limiting all boating on Lake Cachuma to resident boats.

Second, the RMP/EIS concedes that Quagga and Zebra mussels can clog pipelines and create costly, ongoing maintenance issues, but the EIS does not evaluate the potential impacts to Lake Cachuma or the Cachuma Project conveyance facilities should an infestation occur. Currently, the Santa Ynez River system has remained unaffected by Zebra and Quagga mussels. However, if they do infest Lake Cachuma, they will attach to and clog the Cachuma Project infrastructure that delivers water to the South Coast of Santa Barbara County. Specifically this includes the Intake Tower, Tecolote Tunnel, South Portal, and South Coast Conduit facilities. Not only could this reduce the quantity of water delivered, but would also reduce the quality of that water as secondary contaminants excreted by mussels cloud the water. In addition, given the aggressive growth patterns of the mussels, total occlusion of the water delivery system is a distinct possibility. The Bradbury Dam outlet works would also be affected, which could impact downstream water rights releases and releases to maintain the downstream steelhead fishery. Lastly, a mussel infestation would greatly impact operations at Cater and Corona Del Mar Water Treatment Plants. As there is no redundant system for water delivery, the effects of shutting down that infrastructure to remove mollusk populations is, practically speaking, infeasible and impossible, and would be devastating to the entire region. Potential impacts to all of these facilities should be addressed in the EIS.

Third, Quagga and Zebra mussel infestations are almost exclusively spread through human activities and water currents. Accordingly, the impacts of a mussel infestation in Lake Cachuma would not be limited to the Lake but could spread to critical areas throughout the Santa Ynez River system. As Reclamation is aware, in 1997 the Southern California Steelhead was listed as a federally endangered species pursuant to the federal Endangered Species Act (“ESA”). Additionally, “critical habitat” for this species has been designated along the Santa Ynez River up to Bradbury Dam, an impassable barrier, inclusive of the downstream tributaries. As such, no federal action may adversely affect that habitat without first complying with the terms of the ESA. A mussel infestation could virtually shut down water deliveries to Hilton Creek through the Hilton Creek Watering System, which would adversely affect thousands of steelhead/rainbow trout now inhabiting lower Hilton Creek. The EIS states that “recreational uses and improvements must also not interfere with protection of ... Southern California steelhead” (EIS at p. 1-1), yet the increased boating opportunities identified in Reclamation’s proposed Alternatives may increase the risk of mussel infestation of Lake Cachuma and downstream areas as water releases from Lake Cachuma are made to support the listed fish population. The potential effects of such an infestation on steelhead should be analyzed in the EIS.

A mussel infestation at Lake Cachuma would necessitate a permanent, long-term maintenance program for protection of the water delivery system, and this will be at an enormous cost. Reclamation must acknowledge in the RMP/EIS its responsibility and that of its managing partner, for implementation and funding of all mitigation measures to negate the environmental effects of Quagga mussels should they occur in Lake Cachuma.

2. Effects Related to 2-Cycle Engines

Among the mix of watercraft used for recreational boating are those boats powered by carbureted 2-cycle engines. These engines were generally manufactured prior to 1999, which emit high quantities of air and water pollutants during operation. Specifically, 2-cycle engines dump as much as 30% of their fuel and oil directly into the water. EIS at p. 3-6. In addition, fuel can be introduced to lakes by overfilling boat fuel tanks, leaking hoses, nozzles, or storage tanks, and pumpage from bilges. This fuel contains such compounds as benzene, toluene, ethylbenzene, xylene, oxygenated additives, and other compounds known to have adverse effects on human health and aquatic life

Because of the need to protect drinking water and wildlife, many lakes throughout California are now restricting or prohibiting carbureted 2-cycle motor boats. Specifically, 2-cycle motor boats are forbidden or severely restricted at Anderson Reservoir, Calero Reservoir, San Pablo Reservoir, Los Vaqueros Reservoir, Lake Tahoe, Cascade Lake, Fallen Leaf Lake, Echo Lake, Diamond Valley Lake, and Lake Skinner.

The EIS should explain the possible impacts of 2-cycle motor boats on the quality of a public drinking water supply. The increasing prohibition of 2-cycle engines at other lakes throughout California may result in a concentration of these boats at Lake Cachuma, which could result in a larger concentration of pollutants than is anticipated by the EIS. This impact would also require the installation of costly water quality treatment facilities to specifically target the petroleum-based pollutants and could have a major effect on providing a clean and reliable water supply to Santa Barbara County.

Reclamation's RMP/EIS confirms that the use of these 2-cycle engines has resulted in "measurable water quality degradation in some of the nation's lakes and reservoirs." EIS at p. 3-6. The RMP/EIS also acknowledges that the boats for rent at Lake Cachuma are all 4-cycle engines, and that the only 2-cycle boats on the Lake are those brought in by recreational boaters. Additionally, the EIS states that these 2-cycle boats will continue to be allowed at Lake Cachuma until a five year phase out program is complete. The EIS also points to an 11-year-old study (from 1997) in support of Reclamation's conclusion that petroleum byproducts are not an issue at Lake Cachuma. Finally, the EIS concludes that the effect of allowing 2-cycle boat use on Lake Cachuma is minor ( EIS at p. 4.70 (Table 4.12-1)), yet it contains no specific analysis regarding the potential long-term effects that these recreational boats engines may have on Lake Cachuma's wildlife or water quality. Nor does it contain any discussion whatsoever of the mitigation measures that would be required if hydrocarbon contamination at Lake Cachuma exceeds allowable limits.

In addition, mandatory water releases from Lake Cachuma for the benefit of the steelhead would carry with them any pollutants released by carbureted 2-cycle engines. These pollutants, in sufficient concentrations, could harm the listed species unless additional restrictions on 2-cycle engines or water treatment measures were put into place.

The Agencies ask that Reclamation consider an immediate ban, or at the very least, a 2 year phase-out program for carbureted 2-cycle engines rather than the proposed five-year phase-out program. Finally, the Agencies insist that if Reclamation intends to allow the long term use of 2-cycle carbureted engines at Lake Cachuma, it also acknowledge that Reclamation or its local managing partner will be responsible for the development, implementation and funding of appropriate mitigation measures to negate the environmental effects such motors may have on the public water supply or on listed species.

### 3. Effects Related to Body Contact

Body contact activities in drinking water reservoirs are generally forbidden due to serious public health concerns, as well as increased water treatment costs. Because of these concerns, California law explicitly forbids body contact uses in drinking water reservoirs, with only a few limited exceptions. Health & Safety Code, § 115825(b) (“recreational uses shall not, with respect to a reservoir in which water is stored for domestic use, include recreation in which there is bodily contact with the water by any participant.”). A specific exemption from this law is required for reservoirs with mixed drinking water storage and body contact uses, of which only a handful have been granted.

Human body contact with a water body increases the pathogenic concentrations in that water body and, in turn, the risk of waterborne infection and disease for those using the reservoir for drinking water.<sup>1</sup> Studies show that, due to shedding of residual fecal material and accidental fecal releases, body contact recreation can significantly elevate the levels of *Cryptosporidium*, rotavirus, poliovirus, *Escherichia coli*, *Shigella*, and *Giardia* concentrations in a water body.<sup>2</sup> Both *Cryptosporidium* and *Giardia* are of particular concern in drinking water reservoirs because they can cause disease outbreaks at very low concentrations, and their effects include vomiting, diarrhea, fever, and even death.

The EIS explains that the one of the primary differences between Alternatives 2 and 3 is that Alternative 3 would designate a portion of Cachuma Lake for swimmers and allow body

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<sup>1</sup> Allowing increased equestrian uses or expanded cattle grazing near Lake Cachuma could also raise the risks of contamination. The EIS repeatedly refers the reader to Section 4.1.3 for an analysis of the impacts of cattle and horse waste contamination of the Lake, but this section contains only two sentences discussing this impact. EIS at p. 4-8. Additionally, there is no evidence in the EIS supporting its conclusion that signs and educational materials and maintenance of the existing fences, the only proposed mitigation measures, would fully mitigate for increased Lake contamination from animal waste.

<sup>2</sup> *Cryptosporidium* is a microscopic parasite. Department of Health and Human Serv., Centers for Disease Control & Prevention website, available at <http://www.cdc.gov/crypto/>. It lives in a protective “shell” known as an oocyst, which allows it to survive a variety of environmental conditions and resist disinfection through chlorination. Assembly Bill (“AB”) 1934 (2003-2004), Bill Analysis by Senate Committee on Environmental Quality. *Giardia intestinalis*, a one-celled, microscopic parasite is likewise protected by an outer shell and can survive outside the body in the environment for long periods of time. See Division of Parasitic Diseases website, available at: <http://www.cdc.gov/ncidod/dpd/parasites/giardiasis>

contact with the water for the first time. EIS at p. 4-61. The EIS itself recognizes the problematic nature of mixing body contact and drinking water, noting that “introducing body contact to the lake has an obvious impact on water quality.” EIS at p. 4-61. This is due to the fact that “currently water delivered to Goleta West by the Goleta Water District is chlorinated at the Goleta Sanitary District, but not filtered...Uninformed customers could consume unfiltered water that has received body contact.” EIS at p. 4-6. For this reason, the impact from a swimming beach “would be major” and have “an obvious [negative] impact on water quality.” Nonetheless, Reclamation concludes that swimming should be allowed because “physical and chemical controls have been implemented at other drinking water reservoirs where body contact is allowed, which have proven to be acceptable (see Section 3.9.1.2).” There are multiple problems with this conclusion.

First, no support is given for the conclusion; no studies, factual data, or citations are given, other than the internal citation to the EIS itself. The internal citation to Section 3.9.1.2, actually contradicts the EIS’s conclusion. Of the eight lakes discussed, three of them are drinking water reservoirs, Lake Cachuma, Lake Margarita, and Lake Casitas (EIS at pp. 3-58 to 3-62). The exact same three lakes do not allow body contact recreational activities. EIS at p. 3-58. Section 3.9.1.2 contains such statements as “Casitas Municipal Water District manages Lake Casitas as a drinking water reservoir, and therefore no body contact is allowed,” and “as a drinking water reservoir for the City of San Luis Obispo, body contact is forbidden [at Santa Margarita Lake].” EIS at pp. 3-59 and 3-61. Thus, the referenced section actually shows that body contact is specifically *not* allowed where a reservoir is used for drinking water.

Second, the mitigation measures that would be necessary to diminish the impacts to water quality from the introduction of full body contact may be infeasible due to the high cost of upgrading or building a new water treatment plant. Metropolitan Water District (“MWD”) studies assessing the health risks of allowing body contact in Diamond Valley Lake showed that it would cost \$20.6 to \$62.4 million (in 1998 dollars) to install the necessary upgrades to existing water treatment facilities, plus an additional \$10 million in annual operation, maintenance, and increased treatment costs. In light of the enormous costs and marginal benefits, MWD prohibited body contact activities. If Reclamation has funding secured to upgrade or build new water treatment facilities, which are identified as the primary mitigation measures in the EIS (EIS at p. 4-8), that fact should be disclosed. Unless Reclamation can demonstrate that it has monies available for these mitigation measures, the proposed mitigation is infeasible and poses a serious, unmitigated impact to human health. Elsewhere, the EIS states that I.D. #1 would need to notify customers during an emergency that they are receiving untreated water, and would also need to supply alternative drinking water (e.g., bottled water). Again, there is no discussion of how much this would cost or how funding this mitigation measure would be achieved.

Because of the importance and primacy of Lake Cachuma as a drinking water supply, the danger of contamination from human body contact with the water, the possible infeasibility of the proposed mitigation measures, the existence of other swimming opportunities in the area (Lake Cachuma has a public swimming pool, and a number of other area Lakes do allow

swimming. EIS at p. 3-58), and that fact that allowing body contact could violate California law, the Agencies request that Reclamation not allow swimming in Lake Cachuma.

### C. Potential Impacts to Steelhead

As part of its analysis of alternatives, Reclamation anticipates increasing, or at a minimum maintaining, the population of stocked sport-fish in Lake Cachuma. EIS at p. 4-27. These fish would include bass, trout, and other species. The EIS, however, fails to analyze the potential effects that such a stocking program would have on endangered steelhead downstream. For example, bass prey upon smaller fish as a food source and can have a major effect on population size of the prey species. EIS at p. 4-27. The interaction of introduced fish with native fish populations is an issue that is of great importance with regard to Lake Cachuma. Because spills from Lake Cachuma carry non-native stocked fish into the lower river, the impacts of stocked fish on the listed fish population downstream should be examined.

Predation can play a major role in the decline of fish species, and at least one study has concluded that the predation impact of striped bass on federally endangered winter-run Chinook salmon would cause “a serious extinction risk. This study explains that striped bass were introduced to the Sacramento River to support commercial and recreation sport fishing, but that the bass prey upon juvenile winter-run Chinook salmon as a food source.”<sup>3</sup>

Another issue is that non-native fish interbreed with native populations and thus dilute the wild population’s genetic makeup. This is of particular concern because where this occurs, in most cases, the non-native fish have been found to exhibit reduced genetic diversity, which may lead to reduced fitness in the native fish through interbreeding.

The EIS explains that the Southern California Steelhead has been listed as an endangered species under the federal Endangered Species Act since 1997. EIS at p. 1-2. Additionally, the EIS discloses that water releases from Bradbury Dam are mandated for the protection of the steelhead. Finally, it states that any recreational uses of the Lake approved as part of the RMP must not adversely affect the listed fish. EIS at p. 1-1. Despite these statements, the analysis

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<sup>3</sup> Many studies concur that predation of bass species upon juvenile trout and other fish is a serious concern and that predation is a major source of mortality for a variety of fish species. See, e.g., Lindley, Steve T., and Michael S. Mohr. “Modeling the effect of striped bass (*Morone Saxatilis*) on the population viability of Sacramento River winter-run Chinook salmon (*Oncorhynchus tshawytscha*),” Fishery Bulletin 101.2 at p. 1 (April 2003); Naughton, George P. and David H. Bennett, “Predation on Juvenile Salmonids by Smallmouth Bass in the Lower Granite Reservoir System, Snake River,” N. Amer. J. of Fisheries Mngmt., 24:534-544 (2004); Bolding, Bruce D. et al., “Effects of Introduced Fishes on Wild Juvenile Coho Salmon in Three Shallow Pacific Northwest Lakes,” Transactions of the Amer. Fisheries Soc’y, 134:641 (2005); Tabor, Robert A. et al., “Smallmouth Bass and Largemouth Bass Predation on Juvenile Chinook Salmon and Other Salmonids in the Lake Washington Basin,” N. Amer. J. of Fisheries Mngmt., 27:1174 (2007).



provided in the EIS does not adequately evaluate impacts to steelhead. Instead, the RMP/EIS makes clear that its analysis focuses only on the “Plan area,” which includes only Lake Cachuma and the immediately surrounding areas. The analysis in the EIS should be expanded to examine the potential downstream impacts to steelhead.

These issues should be discussed in the EIS, as well as proposed measures to mitigate potential impacts. For example, stocking only sterile fish might eliminate interbreeding impacts to the endangered fish below Bradbury Dam.

#### **D. Updating the Alternatives Analysis**

As discussed in Reclamation’s Resource Management Plan Guidebook (“RMP Guidebook”), “when extracting information from current data, caution should be taken to ensure the accuracy, coverage, completeness, and current nature of such data.” RMP Guidebook at III-6. Some of the analyses and underlying data regarding the alternatives are outdated – in some instances the studies on which the EIS analysis is based are more than a decade old. For example, the EIS cites a 1997 analysis of gasoline compounds in Lake Cachuma. EIS at p. 3-6. This study is certainly not “current.” Furthermore, while the Total Dissolved Solids in the lake vary by season and over time, the EIS references no information more current than 1997. See EIS at p. 3-5. In addition, surveys for some types of listed species were performed more than ten years ago. EIS at pp. 3-29 to 3-30. Due to the outdated nature of some of these studies, it would be prudent for Reclamation to find more recent analyses, commission new studies, or perform other such actions to ensure the reliability of the data underlying the EIS’s analysis.

As acknowledged in the document itself, the alternatives in the EIS were developed in 2002 and 2003. EIS at p. 2-6. Such a gap is a long time in the events that affect water supply at Cachuma Lake. As described in the EIS, the planning time-span for the RMP is 20 years. Given the six-year delay, 30% of the Project time span has already elapsed. Therefore, the cause of the five to six year delay between the development of the alternatives and their evaluation in the RMP/EIS should be explained.

Moreover, any planning process should not only address existing issues, but also anticipate future events, at least those future events occurring during the 20-year planning time span. The RMP/EIS fails to acknowledge “future” events that have already taken place. For example, the National Marine Fisheries Service (“NMFS”) Draft Steelhead Recovery Plan has been in preparation for several years and a Recovery Plan Outline was published in 2007.

#### **E. Responsibility for Implementing and Funding RMP/EIS Mitigation Measures**

Reclamation’s RMP Guidebook states that “each alternative should be realistic and implementable within anticipated funding and staffing levels.” RMP Guidebook at III-9. Even though this is a programmatic RMP/EIS, it is missing a discussion of how implementation of the alternatives or mitigation actions identified in the RMP/EIS will be funded. Staffing requirements and associated costs are likewise not discussed. Without this information, it is

impossible to comprehend which actions discussed in the RMP/EIS are truly feasible given existing budgetary constraints.

The RMP/EIS currently concludes that there will be no significant impacts to the Lake or its water quality with the implementation of proposed mitigation measures. However, some mitigation measures are insufficiently defined or are infeasible, and as stated above, all appear to lack funding. Potential impacts, such as the introduction of Quagga mussels into the Lake, have no mitigation measures. In other situations, the EIS contains mitigation measures but does not adequately explain how they will fully mitigate some of the potential impacts. For example, in its discussion on the impacts of construction and maintenance activities associated with facilities, roads, and trails, the mitigation measure states that “measures in addition to BMPs may be required for Alternatives 2 and 3.” EIS at p. 4-7. No other information is given. When mitigation measures are not identified or described, it makes it impossible to understand what mitigation is necessary and how effective it would be.

The Agencies are concerned that some proposed measures necessary to mitigate particular impacts are illusory. An example is the proposed mitigation for allowing body contact swimming in Lake Cachuma - the construction of a new potable water treatment facility. Because of state and federal budget constraints, and a shortage of funds in relevant local governments, it is questionable if this proposal can be implemented. For this reason, if Reclamation cannot demonstrate how a mitigation action will be funded, that mitigation measure should be rejected. If, however, Reclamation is proposing to carry out the mitigation responsibilities itself, that should be clearly stated, and the mitigation plan should identify the entities that will ultimately implement and fund these actions under the RMP.

Implementation of the RMP mitigation programs are the responsibility of Reclamation and its local managing partner. In order to determine the feasibility of implementing the alternatives and carrying out the mitigation measures, Reclamation should estimate how much it would cost to reduce the environmental impacts to a level of less than significant. To the extent Reclamation does not make such funding available, the local managing partner may have no choice but to refuse to implement many of the RMP programs. Should Reclamation decide to proceed with an RMP that increases recreational uses at Lake Cachuma, to the detriment of Lake Cachuma’s water quality or water supply delivery facilities, Reclamation should be prepared to address and mitigate for the impacts caused by the RMP’s recreational activities. This should be clearly stated in the EIS. The Agencies cannot be responsible for the costs of mitigating for any major impacts.

## **II. ADDING AN ADDITIONAL WATER QUALITY/WATER SUPPLY PROTECTION ALTERNATIVE WILL IMPROVE THE EIS**

Despite the uncontested importance of the Lake as a drinking water reservoir, the EIS does not examine any alternatives that enhance the protection of water quality. Instead, the only two alternatives that are analyzed relate to increasing recreation at Lake Cachuma. Both of these alternatives generate more impacts than the No Project alternative, even with the mitigation

measures discussed in the EIS, many of which are acknowledged as inadequate to fully mitigate potential impacts to the lake's water quality. Because of the importance of protecting the public's primary drinking water supply, the Agencies suggest the addition of a Water Quality/Water Supply Protection alternative to address this deficiency.

**A. Reclamation's RMP Guidebook Directives**

As discussed in Reclamation's RMP Guidebook, "each alternative . . . should address and resolve, in a different manner, the issues and concerns raised by the public . . ." RMP Guidebook at III-9 (Feb. 2003). The vital importance of protecting the water quality of Lake Cachuma was pointed out during the scoping process. EIS at p. 2-24. Despite this comment, however, none of the alternatives includes a component to do so. It must also be recognized that, in selecting the preferred alternative, the RMP Guidebook states that Reclamation should select those alternatives or combinations of land uses and management actions that are "widely accepted by the public and entities" and "without serious conflicts." RMP Guidebook at III-10. As discussed throughout this letter, several of the actions under Alternatives 2 and 3 present serious conflicts with the use of Lake Cachuma as a drinking water source.

**B. Water Quality/Water Supply Protection Alternative Should Be Considered**

NEPA requires that an EIS "rigorously explore and objectively evaluate all reasonable alternatives." 40 Code Fed. Regs., § 1502.14(a). This suggests that an alternative which would protect the water quality and water supply facilities, but would not necessarily expand recreation, should be analyzed. NEPA's requirements regarding analysis of alternatives indicate that inclusion of an additional alternative that protects the water quality of Lake Cachuma would strengthen the environmental analysis and allow for a more complete disclosure of the pros and cons of the different actions proposed by the RMP/EIS. However, the EIS considers only two alternatives, in addition to the No Project alternative, which are very similar and which both expand recreation around the Lake. A "range" of only two alternatives does not appear to meet NEPA's requirement to analyze "all reasonable alternatives" and may be inadequate here.

An additional water quality/water supply protection alternative could be developed by selecting a focused suite of components from the existing alternatives already evaluated in the RMP/EIS. The new "hybrid" alternative should include those activities that could be accomplished without impacting the reservoir's water quality or water supply facilities, but still enhance recreation. It could include all beneficial aspects of Alternatives 2 and 3 without the negative environmental impacts. For example, it could incorporate the Trails, Vegetation, and Fisheries Management Plans, a ban or rapid phase-out of 2-cycle motors, and institution of a strict Quagga mussel containment program by limiting access to the lake to local boats and rental boats only. .

Another set of alternative components might also be considered, which would implement the previously mentioned plans as well as a program of restoring and upgrading existing recreational infrastructure, expanding the hiking trail system, and building new dry camps, as

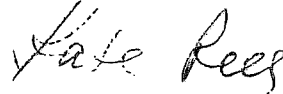
long as those activities were all well away from the lake. This would enhance Lake Cachuma's recreational opportunities without increasing them, while fully preserving the Lake's water quality and water supply facilities.

Lastly, Reclamation might consider an alternative with expanded recreational opportunities *outside* the Cachuma Recreation Area to support the notion that expanded recreational activities are needed in the general geographic area near Lake Cachuma. For example, activities similar to those proposed in Alternatives 2 and 3 could be analyzed for Lake Casitas, Lake Piru, or Lopez Lake instead. Or, because the proposed recreational opportunities are partially for the benefit of Los Angeles County residents (EIS at p. 3-62), expanded recreation in a lake in Los Angeles County could be analyzed. Because Lake Cachuma is first and foremost a drinking water reservoir, while other area lakes are not, this would have the possibility of meeting both the objectives to protect Lake Cachuma's water quality while enhancing recreational opportunities in the general geographic area. Without analyzing these or similar alternatives, which would have no negative impacts on Lake Cachuma's water quality and water supply facilities, the benefits and drawbacks of the current alternatives cannot fully be evaluated.

### III. CONCLUSION

COMB and CCRB thank Reclamation for providing the opportunity to comment on the proposed Cachuma Lake Resources Management Plan and Environmental Impact Statement. Our comments are intended to provide Reclamation with a clear understanding of the primary concerns faced by the Agencies as they continue to supply a reliable and high-quality source of drinking water to residences, businesses, and agricultural lands during a time of great uncertainty regarding water supply availability.

Sincerely,



Kate Rees  
General Manager  
Cachuma Operation and Maintenance Board  
Cachuma Conservation Release

#### References Attached

cc: COMB and CCRB Board of Directors  
William Hair, COMB General Counsel  
Eric Ford, Goleta Water District, Interim General Manager  
Rebecca Bjork, City of Santa Barbara, Acting Water Resources Manager

ITEM # 13  
PAGE 13

Bureau of Reclamation  
October 30, 2008  
Page | 14

Tom Mosby, Montecito Water District, General Manager  
Charles Hamilton, Carpinteria Valley Water District, General Manager  
Chris Dahlstrom, SYRWCD, ID No. 1, General Manager

ITEM # 13  
PAGE 14

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