

# COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

## MEETING OF THE BOARD OF DIRECTORS

Tuesday, February 10, 2009 - 7:00 p.m.

### AGENDA

The Coastside County Water District (CCWD) does not discriminate against persons with disabilities. Upon request, the agenda and agenda packet materials can be provided in a format to accommodate special needs. If you require a copy of the agenda or related materials in an alternative format to accommodate a disability, or if you wish to attend this public meeting and will require special assistance or other special equipment, please call the District at (650) 726-4405 in advance and we will make every reasonable attempt to provide such an accommodation.

All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the CCWD District Office, located at 766 Main Street, Half Moon Bay, CA at the same time that the public records are distributed or made available to the legislative body.

*This agenda and accompanying materials can be viewed on Coastside County Water District's website located at: [www.coastsidewater.org](http://www.coastsidewater.org).*

The Board of the Coastside County Water District reserves the right to take action on any item included on this agenda.

- 1) ROLL CALL
- 2) PLEDGE OF ALLEGIANCE
- 3) PUBLIC ANNOUNCEMENTS

*Any person may address the Board of Directors at the commencement of the meeting on any matter within the jurisdiction of the Board that is not on the agenda for this meeting. Any person may address the Board on an agendized item when that item is called. The Chair requests that each person addressing the Board limits their presentation to three (3) minutes and complete and submit a Speaker Slip.*

#### 4) CONSENT CALENDAR

The following matters before the Board of Directors are recommended for action as stated by the General Manager.

**All matters listed hereunder constitute a Consent Calendar, are considered as routine by the Board of Directors, and will be acted upon by a single vote of the Board. There will be no separate discussion of these items unless a member of the Board so requests, in which event the matter shall be removed from the Consent Calendar and considered as a separate item.**

- A. Requesting the Board to review disbursements for the month ending January 31, 2009 – Claims: \$1,064,978; Payroll: \$69,900.69; for a total of \$1,134,679.03 ([attachment](#))
- B. Acceptance of Financial Reports ([attachment](#))
- C. Minutes of the January 13, 2009 Board of Directors Meeting ([attachment](#))
- D. Minutes of the January 26, 2009 Special Board of Directors Meeting - Infrastructure Strategic Planning Workshop ([attachment](#))
- E. Installed Water Connection Capacity and Water Meters Report ([attachment](#))
- F. Total CCWD Production Report ([attachment](#))
- G. CCWD Monthly Sales by Category Report ([attachment](#))
- H. January 2009 Leak Report ([attachment](#))
- I. Rainfall Reports ([attachment](#))
- J. San Francisco Public Utilities Commission Hydrological Conditions Report for January 2009 ([attachment](#))
- K. Acceptance of the 909 Miramontes Street Non-Complex Pipeline Extension Project ([attachment](#))

#### 5) DIRECTOR COMMENTS / MEETINGS ATTENDED

#### 6) GENERAL BUSINESS

- A. Miramar Tank Coating ([attachment](#))
- B. Drought Planning: How Coastside County Water District's (CCWD) Water Supply Would Be Affected by San Francisco Public Utilities Commission (SFPUC) Mandatory System-Wide Reduction ([attachment](#))

- C. Water Reclamation Goals, Conditions for Coastside County Water District (CCWD) Approval of Sewer Authority Mid-Coastside (SAM) Request to Distribute Reclaimed Water Within CCWD Boundaries ([attachment](#))
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- 7) **GENERAL MANAGER’S REPORT INCLUDING MONTHLY INFORMATIONAL REPORTS** ([attachment](#))
    - A. Monthly Water Resources Report ([attachment](#))
    - B. Water Shortage and Drought Contingency Plan Update ([attachment](#))
    - C. Operations Report ([attachment](#))
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- 8) **ADJOURNMENT**

<u>Check Number</u>	<u>Vendor No</u>	<u>Vendor Name</u>	<u>Check Date</u>	<u>Void Amount</u>	<u>Check Amount</u>
11766	ADP01	ADP, INC.	01/09/2009	0.00	187.50
11767	ALL04	ALLIED WASTE SERVICES #925	01/09/2009	0.00	205.65
11768	ALV01	ALVES PETROLEUM, INC.	01/09/2009	0.00	1,650.78
11769	AME09	AMERICAN WATER WORKS ASSOC.	01/09/2009	0.00	498.00
11770	AND01	ANDREINI BROS. INC.	01/09/2009	0.00	630.00
11771	ASS08	ASSOC. CALIF. WATER AGENCY	01/09/2009	0.00	12,154.00
11772	ATT01	AT&T MOBILTY	01/09/2009	0.00	513.84
11773	AZT01	AZTEC GARDENS	01/09/2009	0.00	190.00
11774	BAD01	BADGER METER, INC.	01/09/2009	0.00	989.00
11775	COA 15	COASTSIDE NET, INC	01/09/2009	0.00	59.95
11776	DEL06	DELUXE BUSINESS CHECKS	01/09/2009	0.00	69.82
11777	GEM01	GEMPLER'S, INC.	01/09/2009	0.00	2,070.25
11778	HAR03	HARTFORD LIFE INSURANCE CO.	01/09/2009	0.00	1,876.00
11779	IRO01	IRON MOUNTAIN	01/09/2009	0.00	296.31
11780	JMB01	JMB CONSTRUCTION, INC.	01/09/2009	0.00	713,437.36
11781	KAI01	KAISER FOUNDATION HEALTH	01/09/2009	0.00	8,609.00
11782	MIS01	MISSION UNIFORM SERVICES INC.	01/09/2009	0.00	77.37
11783	OCE04	OCEAN SHORE CO.	01/09/2009	0.00	771.09
11784	ONT01	ONTRAC	01/09/2009	0.00	103.66
11785	PAC02	PACIFICA CREDIT UNION	01/09/2009	0.00	591.50
11786	PUB01	PUB. EMP. RETIRE SYSTEM	01/09/2009	0.00	16,132.73
11787	PUM01	PUMP REPAIR SERVICE CO. INC.	01/09/2009	0.00	3,355.46
11788	ROB01	ROBERTS & BRUNE CO.	01/09/2009	0.00	12,039.19
11789	SAN09	SAN MATEO COUNTY DEPT. OF	01/09/2009	0.00	2,145.00
11790	SIE02	SIERRA CHEMICAL CO.	01/09/2009	0.00	435.99
11791	VAL01	VALIC	01/09/2009	0.00	1,270.00
11792	WES11	WEST COAST AGGREGATES, INC.	01/09/2009	0.00	531.29
11793	ASC01	EVERETT ASCHER	01/23/2009	0.00	165.90
11794	ASS01	ACWA SERVICES CORPORATION	01/23/2009	0.00	18,143.76
11795	ATT02	AT&T	01/23/2009	0.00	1,148.31
11796	BRU02	JON BRUCE	01/23/2009	0.00	81.10
11797	HAR03	HARTFORD LIFE INSURANCE CO.	01/23/2009	0.00	1,876.00
11798	PAC01	PACIFIC GAS & ELECTRIC CO.	01/23/2009	0.00	25,707.29
11799	PAC02	PACIFICA CREDIT UNION	01/23/2009	0.00	591.50
11800	PUB01	PUB. EMP. RETIRE SYSTEM	01/23/2009	0.00	16,278.97
11801	VAL01	VALIC	01/23/2009	0.00	1,270.00
11802	ADP01	ADP, INC.	01/27/2009	0.00	481.55
11803	AND01	ANDREINI BROS. INC.	01/27/2009	0.00	4,025.00
11804	ATC01	ATCHISON, BARISONE	01/27/2009	0.00	19.23
11805	ATT03	AT&T LONG DISTANCE	01/27/2009	0.00	32.53
11806	BAR03	BARTLE WELLS ASSOCIATES	01/27/2009	0.00	4,465.00
11807	BAS01	BASIC CHEMICAL SOLUTION, LLC	01/27/2009	0.00	2,733.79
11808	BAY05	BAY AREA WATER SUPPLY &	01/27/2009	0.00	6,177.00
11809	BAY07	BAY AREA WATER SUPPLY &	01/27/2009	0.00	484.50
11810	BAY10	BAY ALARM COMPANY	01/27/2009	0.00	330.22
11811	BFI02	BFI OF CALIFORNIA, INC.	01/27/2009	0.00	272.00
11812	BRU02	JON BRUCE	01/27/2009	0.00	146.12
11813	CAL15	CALIFORNIA URBAN WATER	01/27/2009	0.00	2,599.70
11814	CAR02	CAROLYN STANFIELD	01/27/2009	0.00	485.00
11815	CIN01	CINTAS FIRST AID & SAFETY	01/27/2009	0.00	98.47
11816	COA01	COASTSIDE LAND SURVEYING	01/27/2009	0.00	906.25
11817	COA02	JERRY GARCIA	01/27/2009	0.00	1,020.02
11818	COA19	COASTSIDE COUNTY WATER DIST.	01/27/2009	0.00	161.32
11819	CUM01	CUMMINS WEST, INC.	01/27/2009	0.00	764.09
11820	DAT01	DATAPROSE, INC	01/27/2009	0.00	1,565.16
11821	EWI01	EWING IRRIGATION PRODUCTS	01/27/2009	0.00	224.66
11822	FIR06	FIRST NATIONAL BANK	01/27/2009	0.00	8,270.28
11823	FRI01	FIRSCH ENGINEERING, INC	01/27/2009	0.00	1,150.00
11824	GAR07	GARDINI ELECTRIC CO., INC.	01/27/2009	0.00	390.00
11825	GRA03	GRAINGER, INC.	01/27/2009	0.00	1,062.12
11826	HAL01	HMB BLDG. & GARDEN INC.	01/27/2009	0.00	8.65
11827	HAN01	HANSONBRIDGETT. LLP	01/27/2009	0.00	5,055.00

<u>Check Number</u>	<u>Vendor No</u>	<u>Vendor Name</u>	<u>Check Date</u>	<u>Void Amount</u>	<u>Check Amount</u>
11828	HEA01	HEALTHWORKS	01/27/2009	0.00	189.00
11829	HIC01	WILLIAM HICKEY	01/27/2009	0.00	150.00
11830	IED01	IEDA, INC.	01/27/2009	0.00	1,000.00
11831	IRV01	IRVINE, DAVID E.	01/27/2009	0.00	9,530.00
11832	IRV02	IRVINE, DAVID E.	01/27/2009	0.00	1,488.52
11833	MCT01	MCTV6	01/27/2009	0.00	525.00
11834	MET06	METLIFE SBC	01/27/2009	0.00	1,636.90
11835	MIS01	MISSION UNIFORM SERVICES INC.	01/27/2009	0.00	155.01
11836	MON01	DARIN BOVILLE	01/27/2009	0.00	1,350.00
11837	NAT02	NATIONAL METER & AUTOMATION	01/27/2009	0.00	12,391.57
11838	OFF01	OFFICE DEPOT	01/27/2009	0.00	744.53
11839	OGR01	O'GRADY PAVING	01/27/2009	0.00	748.97
11840	ONL01	ONLINE RESOURCES	01/27/2009	0.00	50.00
11841	ONT01	ONTRAC	01/27/2009	0.00	394.20
11842	PAC02	PACIFICA CREDIT UNION	01/27/2009	0.00	687.00
11843	PAT05	DONALD PATTERSON	01/27/2009	0.00	55.42
11844	PAU01	PAULO'S AUTO CARE	01/27/2009	0.00	83.45
11845	PIT04	PITNEY BOWES	01/27/2009	0.00	231.00
11846	RIC01	RICOH AMERICAS CORPORATION	01/27/2009	0.00	2,375.41
11847	RIC04	RICE TRUCKING--SOIL FARM	01/27/2009	0.00	63.33
11848	ROB01	ROBERTS & BRUNE CO.	01/27/2009	0.00	7,143.87
11849	ROG01	ROGUE WEB WORKS, LLC	01/27/2009	0.00	270.00
11850	SAF01	SAFEGUARD TECHNOLOGY	01/27/2009	0.00	1,963.80
11851	SAN03	SAN FRANCISCO WATER DEPT.	01/27/2009	0.00	110,572.83
11852	SAN05	SAN MATEO CTY PUBLIC HEALTH LA	01/27/2009	0.00	462.90
11853	SAN08	SAN MATEO CTY COMMUNITY COLLEG	01/27/2009	0.00	89.00
11854	SAN09	SAN MATEO COUNTY DEPT. OF	01/27/2009	0.00	1,035.56
11855	SEW01	SEWER AUTH. MID- COASTSIDE	01/27/2009	0.00	570.00
11856	SIE02	SIERRA CHEMICAL CO.	01/27/2009	0.00	6,895.56
11857	STR02	STRAWFLOWER ELECTRONICS	01/27/2009	0.00	171.69
11858	TAI02	TAIT ENVIRONMENTAL SYSTEMS	01/27/2009	0.00	200.00
11859	TET01	JAMES TETER	01/27/2009	0.00	10,784.29
11860	UB*00579	RONALD KEILER	01/27/2009	0.00	42.13
11861	UB*00580	STANLEY DZIEMIEN	01/27/2009	0.00	56.85
11862	UB*00581	SERENA BECK	01/27/2009	0.00	50.00
11863	UB*00582	KATHLEEN SILVA	01/27/2009	0.00	8.81
11864	UB*00583	JEFF WINN	01/27/2009	0.00	86.19
11865	UB*00584	KYLE JENKINS	01/27/2009	0.00	70.70
11866	UB*00585	DUANE MYERS	01/27/2009	0.00	75.00
11867	UB*00586	JEFF WINN	01/27/2009	0.00	68.30
11868	UB*00587	DAVID/LYNN STONE	01/27/2009	0.00	58.46
11869	UB*00588	FOUNDERS REALTY c/o BEATRICE	01/27/2009	0.00	75.00
11870	UB*00589	REMAX PROPERTIES WEST c/o MAND	01/27/2009	0.00	75.00
11871	VER02	VERIZON WIRELESS	01/27/2009	0.00	109.41
11872	VIS03	VISION CELLULAR INC.	01/27/2009	0.00	59.13
11873	WES11	WEST COAST AGGREGATES, INC.	01/27/2009	0.00	247.22
11874	WHE06	JACK WHELEN	01/27/2009	0.00	81.10
11875	XC201	XC2 SOFTWARE, LLC	01/27/2009	0.00	725.00

**Report Total: 0.00 1,064,978.34**

**COASTSIDE COUNTY WATER DISTRICT - PERIOD BUDGET ANALYSIS  
PERIOD ENDING JANUARY 31, 2009**

<b>ACCOUNT</b>	<b>DESCRIPTION</b>	<b>CURRENT ACTUAL</b>	<b>CURRENT BUDGET</b>	<b>B/(W) VARIANCE</b>	<b>B/(W) % VAR</b>	<b>YTD ACTUAL</b>	<b>YTD BUDGET</b>	<b>B/(W) VARIANCE</b>	<b>B/(W) % VAR</b>
<b>REVENUE</b>									
1-0-4120-00	Water Revenue -All Areas	430,005	441,021	(11,016)	(2.5%)	3,405,693	3,767,911	(362,218)	(9.6%)
1-0-4170-00	Water Taken From Hydrants	141	2,083	(1,942)	(93.2%)	25,402	14,583	10,819	74.2%
1-0-4180-00	Late Notice -10% Penalty	3,474	4,167	(693)	(16.6%)	31,198	29,167	2,031	7.0%
1-0-4230-00	Service Connections	723	667	56	8.5%	5,123	4,667	456	9.8%
1-0-4235-00	CSP Connection T & S Fees	0	0	0	0.0%	13,940	0	13,940	0.0%
1-0-4920-00	Interest Earned	16,731	25,031	(8,300)	(33.2%)	71,124	75,093	(3,969)	(5.3%)
1-0-4925-00	Interest Revenue T&S Fees	0	0	0	0.0%	0	0	0	0.0%
1-0-4927-00	Inerest Revenue Bond Funds	0	0	0	0.0%	0	0	0	0.0%
1-0-4930-00	Tax Apportionments/Cnty Checks	11,110	5,000	6,110	122.2%	371,587	355,000	16,587	4.7%
1-0-4950-00	Miscellaneous Income	7,566	6,333	1,233	19.5%	57,520	44,333	13,187	29.7%
1-0-4960-00	CSP Assm. Dist. Processing Fee	0	0	0	0.0%	0	0	0	0.0%
1-0-4965-00	ERAF REFUND -County Taxes	0	100,000	(100,000)	(100.0%)	0	100,000	(100,000)	0.0%
1-0-4970-00	Wavecrest Reserve Conn. Fees	0	0	0	0.0%	0	0	0	0.0%
<b>REVENUE TOTALS</b>		<b>469,750</b>	<b>584,302</b>	<b>(114,551.57)</b>	<b>(19.6%)</b>	<b>3,981,587</b>	<b>4,390,754</b>	<b>(409,167)</b>	<b>(9.3%)</b>
<b>EXPENSES</b>									
1-1-5130-00	Water Purchased	110,573	69,588	(40,985)	(58.9%)	818,694	898,174	79,480	8.8%
1-1-5230-00	Pump Exp, Nunes T P	1,504	1,667	163	9.8%	10,067	11,667	1,600	13.7%
1-1-5231-00	Pump Exp, CSP Pump Station	22,852	234	(22,618)	(9665.7%)	244,183	179,704	(64,479)	(35.9%)
1-1-5232-00	Pump Exp, Trans. & Dist.	1,058	1,378	320	23.2%	14,713	15,847	1,134	7.2%
1-1-5233-00	Pump Exp, Pilarcitos Can.	290	2,400	2,110	87.9%	1,632	2,700	1,068	39.6%
1-1-5234-00	Pump Exp. Denniston Proj.	(574)	6,208	6,782	109.3%	10,862	43,456	32,594	75.0%
1-1-5235-00	Denniston T.P. Operations	539	7,463	6,924	92.8%	26,937	52,241	25,304	48.4%
1-1-5236-00	Denniston T.P. Maintenance	2,870	3,000	130	4.3%	17,989	21,000	3,011	14.3%
1-1-5240-00	Nunes T P Operations	10,702	7,022	(3,680)	(52.4%)	70,941	80,753	9,812	12.2%
1-1-5241-00	Nunes T P Maintenance	1,459	4,308	2,849	66.1%	20,739	30,156	9,417	31.2%
1-1-5242-00	CSP Pump Station Operations	589	708	119	16.8%	4,401	4,956	555	11.2%
1-1-5243-00	CSP Pump Station Maintenance	8	4,000	3,992	99.8%	11,823	24,000	12,177	50.7%
1-1-5318-00	Studies/Surveys/Consulting	4,465	4,167	(298)	(7.2%)	17,128	29,169	12,041	41.3%
1-1-5321-00	Water Conservation	4,299	3,333	(966)	(29.0%)	21,054	23,331	2,277	9.8%
1-1-5322-00	Community Outreach	1,875	2,641	766	29.0%	9,339	18,487	9,148	49.5%
1-1-5411-00	Salaries & Wages -Field	64,702	63,338	(1,364)	(2.2%)	495,685	475,037	(20,648)	(4.3%)
1-1-5412-00	Maintenance -General	18,223	15,066	(3,157)	(21.0%)	118,590	105,462	(13,128)	(12.4%)
1-1-5414-00	Motor Vehicle Expense	2,520	4,833	2,313	47.9%	22,317	33,831	11,514	34.0%
1-1-5415-00	Maintenance -Well Fields	0	2,117	2,117	100.0%	5,738	14,819	9,081	61.3%

ACCOUNT	DESCRIPTION	CURRENT ACTUAL	CURRENT BUDGET	B/(W) VARIANCE	B/(W) % VAR	YTD ACTUAL	YTD BUDGET	B/(W) VARIANCE	B/(W) % VAR
1-1-5610-00	Salaries/Wages-Administration	45,414	47,517	2,103	4.4%	340,458	356,376	15,919	4.5%
1-1-5620-00	Office Supplies & Expense	10,368	11,613	1,245	10.7%	56,111	81,288	25,176	31.0%
1-1-5621-00	Computer Services	3,698	4,492	794	17.7%	28,100	31,442	3,342	10.6%
1-1-5625-00	Meetings / Training / Seminars	1,615	2,708	1,093	40.4%	10,545	18,958	8,413	44.4%
1-1-5630-00	Insurance	43,730	41,112	(2,618)	(6.4%)	294,743	287,787	(6,956)	(2.4%)
1-1-5640-00	Employees Retirement Plan	31,381	30,406	(974)	(3.2%)	232,272	228,046	(4,226)	(1.9%)
1-1-5681-00	Legal	1,373	4,750	3,377	71.1%	13,223	33,250	20,027	60.2%
1-1-5682-00	Engineering	2,825	2,083	(741)	(35.6%)	6,270	14,583	8,313	57.0%
1-1-5683-00	Financial Services	0	3,948	3,948	100.0%	18,356	27,635	9,279	33.6%
1-1-5684-00	Payroll Tax Expense	8,435	8,119	(317)	(3.9%)	57,368	60,889	3,521	5.8%
1-1-5687-00	Membership, Dues, Subscript.	5,760	4,330	(1,430)	(33.0%)	33,249	30,313	(2,936)	(9.7%)
1-1-5688-00	Election Expenses	0	0	0	0.0%	0	0	0	0.0%
1-1-5689-00	Labor Relations	1,000	1,250	250	20.0%	7,000	8,750	1,750	20.0%
1-1-5700-00	San Mateo County Fees	0	0	0	0.0%	8,798	9,200	402	4.4%
1-1-5705-00	State Fees	0	0	0	0.0%	9,156	23,000	13,844	60.2%
1-1-5710-00	Deprec, Trucks, Tools, Equipt.	0	0	0	0.0%	0	0	0	0.0%
1-1-5711-00	Debt Svc/Existing Bonds 1998A	0	0	0	0.0%	235,578	235,610	32	0.0%
1-1-5712-00	Debt Svc/Existing Bonds 2006B	0	0	0	0.0%	324,492	325,174	682	0.2%
1-1-5713-00	Contribution to CIP & Reserves	36,167	36,167	(0)	(0.0%)	253,167	253,167	(0)	(0.0%)
1-1-5745-00	CSP Connect. Reserve Contribu.	0	0	0	0.0%	13,940	0	(13,940)	0.0%
1-1-5746-00	Wavcrest CSP Connt. Reserve	0	0	0	0.0%	0	0	0	0.0%
<b>EXPENSE TOTALS</b>		<b>439,718</b>	<b>401,966</b>	<b>(37,753)</b>	<b>(9.4%)</b>	<b>3,885,657</b>	<b>4,090,258</b>	<b>204,600</b>	<b>5.0%</b>
<b>NET INCOME</b>		<b>30,032</b>	<b>182,336</b>	<b>(152,304)</b>		<b>95,930</b>	<b>300,496</b>	<b>-204,566</b>	

**COASTSIDE COUNTY WATER DISTRICT**

**INVESTMENT REPORT**

January 31, 2009

		<i>Restricted</i>	<i>Restricted</i>	<i>Restricted for CSP CIP Projects</i>		
	<b>CASH FLOW &amp; OPERATING RESERVE</b>	<b>EMERGENCY RESERVES</b>	<b>CAPITAL EXPENDITURES</b>	<b>DISTRICT CSP CONTRIBUTION</b>	<b>CSP T&amp;S FEES</b>	<b>TOTAL</b>
<b>DISTRICT BALANCES</b>						
<u>CASH IN FNB</u>						
OPERATING ACCOUNT			\$885,185.64			\$885,185.64
CSP T&S ACCOUNT					\$22,673.91	\$22,673.91
TOTAL FIRST NATIONAL BANK	\$0.00	\$0.00	\$885,185.64	\$0.00	\$22,673.91	\$907,859.55
CASH WITH L.A.I.F	\$297,870.00	\$700,000.00	\$1,339,903.45	\$267,655.14	\$20,613.32	\$2,626,041.91
UNION BANK - Project Fund Balance			\$2,324,685.81			\$2,324,685.81
CASH ON HAND	\$2,130.00					\$2,130.00
<b>TOTAL DISTRICT CASH BALANCES</b>	<b>\$300,000.00</b>	<b>\$700,000.00</b>	<b>\$4,549,774.90</b>	<b>\$267,655.14</b>	<b>\$43,287.23</b>	<b>\$5,860,717.27</b>
<b>ASSESSMENT DISTRICT BALANCES</b>						
<u>CASH IN FIRST NATIONAL BANK (FNB)</u>						
REDEMPTION ACCOUNT		\$ 85,938.17				
RESERVE ACCOUNT (Closed Account 8-4-04)		\$ -				
<b>TOTAL ASSESSMENT DISTRICT CASH</b>		<b>\$ 85,938.17</b>				
<i>This report is in conformity with CCWD's Investment Policy and there are sufficient funds to meet CCWD's expenditure requirements for the next three months.</i>						



**COASTSIDE COUNTY WATER DISTRICT  
CRYSTAL SPRINGS PROJECT  
CAPITAL PROJECTS FY 08/09**

**January 31, 2009**

<b><u>PROJECT</u></b>	<b><u>Actual to date</u></b>	<b><u>FY 08/09 CIP Budget</u></b>	<b><u>% Completed</u></b>
<b>El Granada Pipeline Phase 3</b> 1128-03	\$2,498,820	\$2,300,000	108.6%
<b>TOTALS</b>	<b>\$2,498,820</b>	<b>\$2,300,000</b>	<b>108.6%</b>

**COASTSIDE COUNTY WATER DISTRICT  
 APPROVED CAPITAL IMPROVEMENT PROJECTS  
 FISCAL YEAR 2008-2009**

31-Jan-09

Acct No.	Approved CIP Budget FY 08/09	\ To Date FY 08-09	% Completed
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**PIPELINE PROJECTS**

Highway #1 South Phase I / II	1121-46	\$ 100,000	\$ 38,255	38.3%
Highway 92 - Main Line Replacement (Spanishtown)		\$ 100,000		0.0%
Main Street/Hwy 92 Widening Project	1120-93	\$ 50,000	\$ 4,600	9.2%

**WATER TREATMENT PLANTS**

Denniston Intake Maintenance	1120-03	\$ 27,000	\$ 37,630	139.4%
Denniston Sludge Ponds		\$ 100,000		0.0%
Denniston WTP- Filter Flow Meters		\$ 6,000		0.0%
Nunes- Replace Cl2/pH Analyzer	1118-10	\$ 15,000	\$ 4,131	27.5%
Nunes Filter Media Replacement	1121-25	\$ 50,000	\$ 51,288	102.6%
Nunes UST removal and replaced with AGST	1121-44	\$ 15,000	\$ 23,611	157.4%
Nunes WTP - Head Loss System Replacement	1118-10	\$ 15,000	\$ 15,064	100.4%

**FACILITIES & MAINTENANCE**

AMR Program	1121-41	\$ 50,000	\$ 27,542	55.1%
PRV Valves Replacement Project	1121-43	\$ 20,000	\$ 17,000	85.0%
Meter Change Program	1117-06	\$ 17,000	\$ 11,607	68.3%
Main Office - Replace Skylights (repair leaks)		\$ 25,000		0.0%
Fire Hydrant Replacement	1121-49	\$ 40,000	\$ 27,915	69.8%
Pilarcitos Culvert Repair	1121-48	\$ 100,000	\$ 7,498	7.5%
District Digital Mapping		\$ 75,000		0.0%

**EQUIPMENT PURCHASE & REPLACEMENT**

Vehicle Replacement	1118-04	\$ 27,000		0.0%
Computer System	1118-02	\$ 25,000	\$ 21,821	87.3%
Office Equipment/Furniture	1118-02	\$ 20,000	\$ 1,435	7.2%
SCADA/Telemetry	1120-82	\$ 500,000	\$ 5,227	1.0%

**PUMP STATIONS / TANKS / WELLS**

Crystal Springs VFD Project		\$ 68,000		0.0%
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**COASTSIDE COUNTY WATER DISTRICT  
 APPROVED CAPITAL IMPROVEMENT PROJECTS  
 FISCAL YEAR 2008-2009**

31-Jan-09

	Acct No.	Approved CIP Budget FY 08/09	\ To Date FY 08-09	% Completed
Well Rehabilitation	1121-38	\$ 60,000	\$ 20,027	33.4%
Alves Tank Recoating, Interior+Exterior		\$ 150,000		0.0%
Miramar Tank Interior Recoat + Mixing		\$ 300,000		0.0%
Cahill Tank Exterior Recoat + Ladder		\$ 160,000		0.0%
El Granada Pump Station #2 Removal Project	1120-48	\$ 50,000	\$ 1,288	2.6%
EG Tank #3 Recoating Interior + Exterior		\$ 260,000		0.0%
CSP Pump #2 Rehabilitation		\$ 75,000		0.0%
Tank Staff Gauge Repair		\$ 15,000		0.0%
Intrusion Alarms at all Tanks		\$ 50,000		0.0%
New Pilarcitos Well		\$ 10,000		0.0%
Pilarcitos Canyon Blending Station		\$ 50,000		0.0%
Tank Ladder Project		\$ 50,000		0.0%

**NUNES/ DENNISTON WTP PRIORITY (SHORT-TERM) IMPROVEMENTS**

Nunes / Denniston Short Term WTP Modifications	1121-21	\$ 1,651,000	\$ 105,491	6.4%
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**DENNISTON WTP PRIORITY (SHORT-TERM) IMPROVEMENTS**

Denniston Storage Tank Modification Project		\$ 686,000	\$ 21,078	3.1%
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**DENNISTON WTP (LONG-TERM) IMPROVEMENTS (MEMBRANE FILTRATION)**

Denniston Electrical System Upgrade/Expansion		\$ 30,000		0.0%
Denniston Pre/Post Treatment Study	1127-04	\$ 200,000	\$ 24,162	12.1%

**NUNES WTP (LONG-TERM) IMPROVEMENTS (UV DISINFECTION)**

Modify Filters for Rate of Flow Control		\$ 10,000		0.0%
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**WATER SUPPLY DEVELOPMENT**

Reclamation Project Planning	1127-00	\$ 100,000	\$ 7,806	7.8%
Water Supply Alternatives Evaluation		\$ 50,000		0.0%

<b>TOTALS</b>		<b>\$ 5,402,000</b>	<b>\$ 474,475</b>	<b>8.8%</b>
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**COASTSIDE COUNTY WATER DISTRICT  
 APPROVED CAPITAL IMPROVEMENT PROJECTS  
 FISCAL YEAR 2008-2009**

31-Jan-09

Acct No.	Approved CIP Budget FY 08/09	\ To Date FY 08-09	% Completed
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**FY 07/08 CIP Projects - paid in FY 08/09**

Nunes WTP Raw Water Turbidimeter

\$ 10,000 \$ 8,016

**NON-BUDGETED ITEMS (CAPITAL EXPEDITURES)**

Denniston Emergency Shut Down

\$ 11,204

Denniston Valve Replacement

\$ 3,246

EG Tank #1 Modification Project

1121-42 \$ 117

**Legal Cost Tracking Report  
12 Months At-A-Glance**

**Acct. No.5681  
Patrick Miyaki - HansonBridgett, LLP  
Legal**

<b>Month</b>	<b>Admin (General Legal Fees)</b>	<b>Recycle Water Analysis</b>	<b>Transfer Program</b>	<b>CIP</b>	<b>Personnel</b>	<b>Lawsuits</b>	<b>Infrastructure Project Review  (Reimbursable)</b>	<b>TOTAL</b>
<b>Dec-08</b>	4,167	182						4,349
<b>Jan-09</b>	1,354		1,508	2,193				5,055
								0
								0
								0
								0
<b>TOTAL</b>	<b>5,521</b>	<b>182</b>	<b>1,508</b>	<b>2,193</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,404</b>



**Engineer Cost Tracking Report  
12 Months At-A-Glance**

**Acct. No. 5682  
JAMES TETER  
Engineer**

<b>Month</b>	<b>Admin &amp; Retainer</b>	<b>Phase 3 EG Pipeline</b>	<b>CIP</b>	<b>Short Term WTP Imprv.</b>	<b>Studies &amp; Projects</b>	<b>TOTAL</b>	<b>Reimbursable from Projects</b>
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<b>Feb-08</b>	1,190	7,099	1,051	6,246		<b>15,586</b>	
<b>Mar-08</b>	954	1,413	314	18,019	157	<b>20,857</b>	157
<b>Apr-08</b>	2,210	1,413	5,535	15,681	1,131	<b>25,970</b>	1,131
<b>May-08</b>	611			14,644		<b>15,255</b>	
<b>Jun-08</b>	454		1,440	9,392	2,544	<b>13,829</b>	2,544
<b>Jul-08</b>	963	681		403	2,254	<b>4,300</b>	2,254
<b>Aug-08</b>	1,563		782	8,782	1,486	<b>12,613</b>	1,486
<b>Sep-08</b>	641		531	12,930	2,887	<b>16,988</b>	2,887
<b>Oct-08</b>	480		11,603	3,220	1,771	<b>17,074</b>	1,771
<b>Nov-08</b>	480		11,849	81	1,820	<b>14,229</b>	1,820
<b>Dec-08</b>	281		14,110	81	3,740	<b>18,211</b>	1,820
<b>Jan-09</b>	2,825		566	2,372	5,022	<b>10,784</b>	5,022

<b>TOTAL</b>	<b>12,652</b>	<b>10,606</b>	<b>47,780</b>	<b>91,849</b>	<b>22,810</b>	<b>185,697</b>	<b>20,891</b>
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*COASTSIDE COUNTY WATER DISTRICT*

*766 MAIN STREET*

*HALF MOON BAY, CA 94019*

**MINUTES OF THE BOARD OF DIRECTORS MEETING**

**Tuesday, January 13, 2009**

- 1) **ROLL CALL:** President Mickelsen called the meeting to order at 7:00 p.m. Present at roll call were Directors Ken Coverdell, Bob Feldman, Jim Larimer, and Everett Ascher.

Also present were: David Dickson, General Manager; Patrick Miyaki, Legal Counsel; Joe Guistino, Superintendent of Operations; Cathleen Brennan, Public Outreach/Program Development /Water Resources Analyst; JoAnne Whelen, Administrative Assistant/Recording Secretary and Gina Brazil, Office Manager.

- 2) **PLEDGE OF ALLEGIANCE**

- 3) **PUBLIC ANNOUNCEMENTS:** There were no public announcements.

- 4) **SPECIAL ORDER OF BUSINESS**

**Resolution 2009-01 - A Resolution of the Board of Directors of the Coastside County Water District expressing gratitude to Everett Ascher for his leadership and dedicated service to the community in his capacity as President of the CCWD Board of Directors.**

President Mickelsen read the Resolution, noting the many accomplishments under President Ascher's leadership.

Supervisor Rich Gordon was next to present former President Ascher with a commendation certificate from the San Mateo County Board of Supervisors.

Vice Mayor Marina Fraser, on behalf of Mayor John Muller, also presented a proclamation from the Half Moon Bay City Council.



**ON MOTION by Director Larimer and seconded by Vice President Feldman, the Board voted as follows, to adopt Resolution 2009-01 - A Resolution of the Board of Directors of the Coastside County Water District expressing gratitude to Everett Ascher for his leadership and dedicated service to the community in his capacity as President of the CCWD Board of Directors:**

<b>Director Coverdell</b>	<b>Aye</b>
<b>Vice-President Feldman</b>	<b>Aye</b>
<b>Director Larimer</b>	<b>Aye</b>
<b>Director Ascher</b>	<b>Abstain</b>
<b>President Mickelsen</b>	<b>Aye</b>

**5) CONSENT CALENDAR**

- A.** Requesting the Board to review disbursements for the month Ending December 31, 2008 – Claims: \$441,346.07; Payroll: \$89,813.07; for a total of \$531,159.14
- B.** Acceptance of Financial Reports
- C.** Minutes of the December 9, 2008 Board of Directors Meeting
- D.** Installed Water Connection Capacity and Water Meters Report
- E.** Total CCWD Production Report
- F.** CCWD Monthly Sales by Category Report
- G.** December 2008 Leak Report
- H.** Rainfall Reports
- I.** San Francisco Public Utilities Commission Hydrological Conditions Report for December 2008

Director Feldman stated that he had reviewed the monthly claims and found all to be in order.

**ON MOTION by Director Coverdell and seconded by Director Ascher, the Board voted as follows, by roll call vote, to accept the Consent Calendar in its entirety:**

<b>Director Coverdell</b>	<b>Aye</b>
<b>Vice-President Feldman</b>	<b>Aye</b>
<b>Director Larimer</b>	<b>Aye</b>
<b>Director Ascher</b>	<b>Aye</b>
<b>President Mickelsen</b>	<b>Aye</b>

**6) DIRECTOR COMMENTS / MEETINGS ATTENDED**

Director Ascher reported on a recent California Special Districts Association (CSDA) Legislative Committee meeting he had attended and shared news on several issues, including Proposition 1A, California's current budget deficit, an expected decrease in the collection of property taxes by the County assessors department, and agency requirements regarding encryption of third party sensitive data.

## 7) GENERAL BUSINESS

### A. Ailanto Properties Pacific Ridge Preliminary Submittal

Mr. Dickson introduced this item noting that it is unusual, under District procedures, for an initial approval to be discussed at the Board level, but that staff had decided to agendize it due to the interest expressed by Board members and the community.

Mr. Dickson shared the history of the project and then specifically addressed the initial project submittal in detail, including the basis of the District's approval. District Engineer, Jim Teter then explained about flow capacities and demonstrated on the site map where valves would be placed. He summarized the proposed project, noting that his letter of approval of the initial submittal was based on the fact that the project sufficiently addresses the flow and pressure requirements and that the system is adequately looped. He stated that the proposed project is in accordance with the District's rules and regulations and meets the requirements for development.

President Mickelsen then invited comments from members of the public.

Jerry Steinberg, 591 Terrace Avenue, Half Moon Bay, CA - commented on concerns with the condition of the water infrastructure on Terrace Avenue and on the school district's possible interest in extending the pipeline from the high school to Pacific Ridge.

Lucy Lopez, 531 Terrace Avenue, Half Moon Bay, CA - commented on potential neighborhood impact and expressed her shock at learning the project water service plan had been approved.

George Muteff, 408 Redondo Beach Road, Half Moon Bay, CA - noted some observations and asked some questions regarding his perception of a

lack of opportunity for input and participation from the public and the Board, prior to staff's approval of the initial project submittal.

John Ward, Consultant, for Ailanto Properties - Introduced the members of the project team, including Albert Fong with Ailanto Properties; Richard Jacobs, Legal Counsel; Kenneth Ma, Development Consultant to Ailanto Properties; Doug Flett, Engineer, and preparer of the water distribution system plan that was submitted; David Francke, Civil Engineer with dk Consulting; and Cynthia Quan, Financial Assistant to Ailanto Properties. He stated that the project team would not be directly addressing the public comments this evening, as this was an information agenda item.

Jolanda Schreurs - Cabrillo Unified School District Board Member - commented that the best future outcomes for the coastside depend on open communications, good planning, and collaborative working relationships.

President Mickelsen then requested that Patrick Miyaki, District Legal Counsel, address the placement of this matter on the meeting agenda. Mr. Miyaki stated that, after a discussion with Mr. Dickson they both agreed that although staff had approved the initial submittal in accordance with the District's rules and regulations, there has been significant interest in the project, and putting this item on the agenda would provide the opportunity for public input and Board discussion.

Board discussion ensued with Mr. Francke of dk Consulting addressing several questions from Director Coverdell. Director Larimer distributed and reviewed at length a memo he had prepared which included questions he had regarding the project. He emphasized his opinion that the project design did not provide sufficient redundancy and that the approval by staff was a mistake and should be rescinded.

Director Ascher requested clarification from staff on the present condition of the pipeline serving Terrace Avenue. Mr. Dickson reported that he had previously conferred with Mr. Teter and Mr. Guistino and had been informed that there were no problems with this particular section of the pipeline. Director Ascher commented that the scale of the project had changed substantially from the original proposed development of approximately 223 homes to the current number of 63 homes. He stated that he was satisfied with the

presentation and that he was confident and satisfied with the District Engineer's review and approval of this development.

Director Feldman commented that the General Manager's staff report provided an excellent summary of the history and the current status of the project and he was confident that staff had followed the proper procedures and made informed and qualified decisions in approving the initial submittal.

President Mickelsen stated that he felt this project's initial submittal was in compliance with the District's existing policies and supported staff's recommendation. He concluded the comments by thanking staff for placing this matter for discussion on the agenda.

The Board took a brief break and the meeting was reconvened at 9:15 p.m.

**B. 475 Avenue Alhambra – Water Services Agreement**

Mr. Dickson introduced this item, provided the background and details regarding the recommendation to approve the Water Services Agreement for this project, which provides service to one residence.

Mr. Teter added that a slight revision should be made to the approval to require relocation of a blow-off valve.

**ON MOTION by Director Ascher and seconded by President Mickelsen, the Board voted as follows, by roll call vote, to approve the Water Service Agreement between Coastside County Water District and Robert Kulda for construction of a pipeline extension to serve real property at 475 Avenue Alhambra, subject to the relocation of the blow-off valve, as recommended by the District Engineer:**

Director Coverdell	Aye
Vice-President Feldman	Aye
Director Larimer	Aye
Director Ascher	Aye
President Mickelsen	Aye

**C. Mid-Year Financial Review**

Mr. Dickson reviewed the CCWD Period Budget Analysis for the period ending December 31, 2008, noting that the District is

approximately \$50,000 behind in the budget in net revenue. He outlined the associated details and advised that this will be a challenging budget year for the District, particularly as we approach drought conditions and as we continue to deal with the shut down of the Denniston Water Treatment Plant.

**D. Revisions to District Purchasing and Check Signing Policy**

Mr. Dickson explained that this was a follow up to a recommendation from the auditor and to Board concerns discussed at the November 2008 Board meeting. He outlined the significant changes, which included the elimination of purchase orders for purchases under \$500.00, the elimination of the requirement to obtain quotes for purchases in the range of \$500.00 to \$5,000.00., and the requirement of obtaining two quotes, instead of three, for purchases of \$5,000. to \$15,000.00 . He also advised that a revision to the check signing policy included the requirement to obtain a signature of the Board President or Vice President for checks in the sum of \$25,000. 00 or over.

**ON MOTION by Director Larimer and seconded by Director Feldman, the Board voted as follows, by roll call vote, to approve the proposed revisions to the District's Purchasing and Check Signing Policy as presented. An amendment was added by Director Ascher and accepted by Directors Larimer and Feldman, stating that the effective date for the new Check Signing Policy would be July 1, 2009:**

Director Coverdell	Aye
Vice-President Feldman	Aye
Director Larimer	Aye
Director Ascher	Aye
President Mickelsen	Aye

**E. Water Reclamation - Status and Next Steps**

Mr. Dickson introduced this item, emphasizing that he strongly believes that the most logical next step in developing a successful water reclamation project is to form a partnership with the Sewer Authority Mid-Coastside (SAM) as the recycled water producer. He stated that he felt the CCWD Board has taken every possible step in pursuing this partnership, but has been unsuccessful with achieving any results. He referenced his letter to Mr. Jack Foley, Manager of SAM, requesting SAM's cooperation in order to pursue this project.

Mr. Dickson outlined proposed next steps consistent with CCWD's role as recycled water distributor: Analyze CCWD's Water Supply Needs, Develop Preliminary Reclaimed Water Pricing and Terms Scenarios, and Initiate Discussion with Key Reclaimed Water Users.

Board discussion ensued, with Mr. Dickson addressing several questions from the Board.

**8) GENERAL MANAGER'S REPORT INCLUDING MONTHLY INFORMATIONAL REPORTS**

The Board had no questions or comments regarding the General Manager's report.

- A. Monthly Water Resources Report**
- B. Water Shortage and Drought Contingency Plan Update**
- C. Operations Report**

Ms. Brennan answered questions regarding the Water Shortage and Drought Contingency Plan and Mr. Guistino and Mr. Dickson addressed questions in regards to the present situations at the Denniston Reservoir and the Canada Cove Mobil Home Park.

**9) ADJOURNMENT**

The meeting was adjourned at 10:02 p.m. The next regular meeting of the Coastside County Water District's Board of Directors is scheduled for Tuesday, February 10, 2009.

Respectfully submitted,

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David R. Dickson, General Manager  
Secretary of the Board

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Chris R. Mickelsen, President  
Board of Directors  
Coastside County Water District

**COASTSIDE COUNTY WATER DISTRICT**

**766 MAIN STREET**

**HALF MOON BAY, CA 94019**

**MINUTES OF THE SPECIAL BOARD OF DIRECTORS MEETING**

**Monday, January 26, 2009**

- 1) **ROLL CALL:** President Mickelsen called the meeting to order at 2:05 p.m. Present at roll call were Directors Ken Coverdell, Bob Feldman, Jim Larimer, and Everett Ascher.

Also present were: David Dickson, General Manager; Operations; Cathleen Brennan, Public Outreach/Program Development /Water Resources Analyst; and JoAnne Whelen, Administrative Assistant/Recording Secretary

- 2) **PUBLIC ANNOUNCEMENTS:** There were no public announcements.

- 3) **INFRASTRUCTURE STRATEGIC PLANNING WORKSHOP**

Mr. Dickson introduced the infrastructure strategic planning session, provided a brief background, and the objectives of the workshop. He stated that overall he felt that the District's infrastructure is in good shape, with no current major infrastructure problems or issues. He then reviewed the list of key questions to be addressed, explaining that the answers to these questions will be the basis for the next strategic planning workshop related to funding the District, which has been scheduled for February 26, 2009.

Mr. Dickson then restated the District's goal/policy statement regarding infrastructure as follows: *"The District's policy is to develop and maintain the water source, storage, treatment, and transmission infrastructure needed to provide a safe, adequate, reliable water supply to the District's customers, in compliance with all legal and regulatory requirements"*.

Board discussion ensued with several suggestions for minor revisions to the statement provided by the Board, including removing the word "adequate" and possibly including the addition of a reference to respecting the need for water conservation and a commitment to achieving excellence. It was agreed to delete the word "adequate" from the statement and the Board concurred that an opportunity could be provided at a future meeting to further refine the goal statement.

1. Does the District have in place the infrastructure we need to serve our current customers?

Mr. Dickson stated that the answer to this question is “yes”, with the completion of the El Granada Pipeline Replacement Project, the final element of the Crystal Springs Project, all of the planned main components of the District’s infrastructure are in place. He also commented that he felt that the District was very close to now being considered in a “maintenance and replacement mode”.

2. Is the District’s infrastructure capacity sufficient to meet the demands of projected growth in our service area over the term of the current Capital Improvement Program?

Mr. Dickson stated that the answer to this question is yes, provided that projected growth is defined as the number of connections allowed under the Crystal Springs Project Coastal Development Permits. He reported that the District currently has approximately 1,500 remaining sold but unconnected CSP service connections. He stated that the District’s entire system has been designed to service that level of connections, so the infrastructure capacity should be sufficient to meet that demand; however the question of how much beyond that level, our current infrastructure could go has not yet been analyzed. He also commented that staff feels that with some relatively straightforward modifications, which would not consist of major replacements, it could allow the District to go somewhat beyond that level.

Director Ascher expressed some concerns and lack of confidence with the current status of the Denniston Reservoir and questioned whether it can still be considered a viable water source. He proposed the question whether the District might be better served by looking at new possible sources of local water and questioned the costs associated with eventually achieving water production from Denniston.

Mr. Dickson addressed this question by stating that he believes that the District must preserve Denniston, even if the costs are high, due to the fact that Denniston has served the District for a very long time with good quality water, is a valuable source, is a protected watershed, and has historically provided a level of public water supply. He stated that the challenges of developing a new water supply somewhere else are immense, and feels that with the Denniston water supply and the existing



water treatment facility, the District is responsible for doing everything in its power and should invest substantial resources in recovering Denniston as a significant water source for the District.

Board discussion ensued including the various measures that the District can pursue to improve the present condition of the watershed, and the value of having Denniston as a local water supply. Mr. Teter shared his views, agreeing that Denniston is a very valuable source of water and that it was possible, with various measures, including installation of a pre-treatment process, that Denniston could be restored to produce historical yields and meet current standards.

3. Are our maintenance and replacement programs adequate to ensure long-term reliability at a reasonable cost?

Mr. Dickson stated that he thinks the current and planned level of investment in maintenance and replacement is more than adequate to ensure that the District's infrastructure meets reasonable service life expectations. He reviewed the attachments provided, documenting the District's Capital Improvement Program Budget and actual expenditures over the years, and commented that, given a District asset base (at cost) of about \$50 million, the budgeted rate of expenditures appears to be adequate to maintain existing infrastructure and to provide for improvements to meet regulatory requirements, improve efficiency, and increase reliability. He addressed questions and comments from the Board.

4. Does our infrastructure plan address anticipated regulatory requirements?

Mr. Dickson answered this question as yes, explaining that the most significant regulatory requirements affect the Nunes and Denniston treatment plants and a comprehensive study completed by CDM in February of 2006 recommended short-term and long-term improvements needed at the plants. These improvements have been incorporated into the Capital Improvement Program (CIP), with construction of the short-term improvements included in this year's budget.

5. Have we evaluated and addressed infrastructure vulnerabilities?

Mr. Dickson stressed the importance of assessing vulnerability and referenced the seismic vulnerability assessment performed in December 2002. He commented that he would like to update the District's overall infrastructure vulnerability assessment when preparing the Capital Improvement Project Budget for for fiscal year 2010–2019 and bring recommendations to the Board at that time. Mr. Teter stated that in his opinion the District is very fortunate in the fact that the majority of the important facilities are new, including the Crystal Springs Pump Station, and the pipelines, which are constructed of ductile iron pipe with interlocking joints, that the tanks are built on solid ground, and that the system is in overall fine shape.

6. What should be the key infrastructure priorities in the District's 10-year Capital Improvement Program?

Mr. Dickson stated that he felt the highest priority is the Denniston Improvements and Supply Restoration, which had been discussed throughout the meeting. He reviewed the elements associated with this project, including the treatment plant upgrades, consisting of short-term improvements, pre-treatment, sludge ponds, and the intake/pump station; the reservoir restoration; and the potential watershed property acquisition, suggesting that these are the next steps he is recommending the District pursue. Discussion ensued, with Mr. Teter providing some historical perspectives. Mr. Dickson summarized discussion of this project by stating that in terms of the District's overall Capital Improvement Program, restoring Denniston is the most important and highest priority.

Mr. Dickson listed the next highest priority as water reclamation and improvements, for the goal of improving the water supply reserves. He reviewed a range of strategies that can be utilized, including conservation, and developing projects with some of the District's top users. The Board discussed some of the options and the importance in pursuing the project, including some of the specifics about the extent of terms the District can request customers to subsidize recycled water.

Mr. Dickson then introduced the topic of system improvements for productivity and operational reliability and advised the Board that there are

some opportunities for improving and enhancing productivity and operational reliability through SCADA and electrical controls, and through automatic meter reading.

Director Ascher discussed the importance of learning how many houses are currently being served by domestic wells within the District's service area, should the need arise sometime in the future for the District to provide service to those residences.

President Mickelsen thanked Mr. Dickson for an excellent presentation, stating that he felt it was a very productive use of the Board's time, and felt the District now had some clear direction in regards to the District's future infrastructure plans and needs.

**9) ADJOURNMENT**

The meeting was adjourned at 4:32 p.m. The next regular meeting of the Coastside County Water District's Board of Directors is scheduled for Tuesday, February 10, 2009.

Respectfully submitted,

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David R. Dickson, General Manager  
Secretary of the Board

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Chris R. Mickelsen, President  
Board of Directors  
Coastside County Water District

**COASTSIDE COUNTY WATER DISTRICT**  
**Installed Water Connection Capacity & Water Meters**

2009

Installed Water Connection Capacity	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Total
<b>HMB Non-Priority</b>													
0.5" capacity increase													
5/8" meter													0
3/4" meter													0
<b>HMB Priority</b>													
5/8" meter													0
3/4" meter													0
1" meter													0
1 1/2" meter													
2" meter													
<b>County Non-Priority</b>													
5/8" meter	1												1
3/4" meter													0
1" meter													0
<b>County Priority</b>													
5/8" meter													0
3/4" meter													0
1" meter													0
<b>Monthly Total</b>	<b>1</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>1</b>

5/8" meter = 1 connection  
3/4" meter = 1.5 connections  
1" meter = 2.5 connections

Installed Water Meters	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
HMB Non-Priority													0
HMB Priority													0
County Non-Priority	1												1
County Priority													0
<b>Monthly Total</b>	<b>1</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>1</b>

**TOTAL CCWD PRODUCTION (MG) ALL SOURCES-2009**

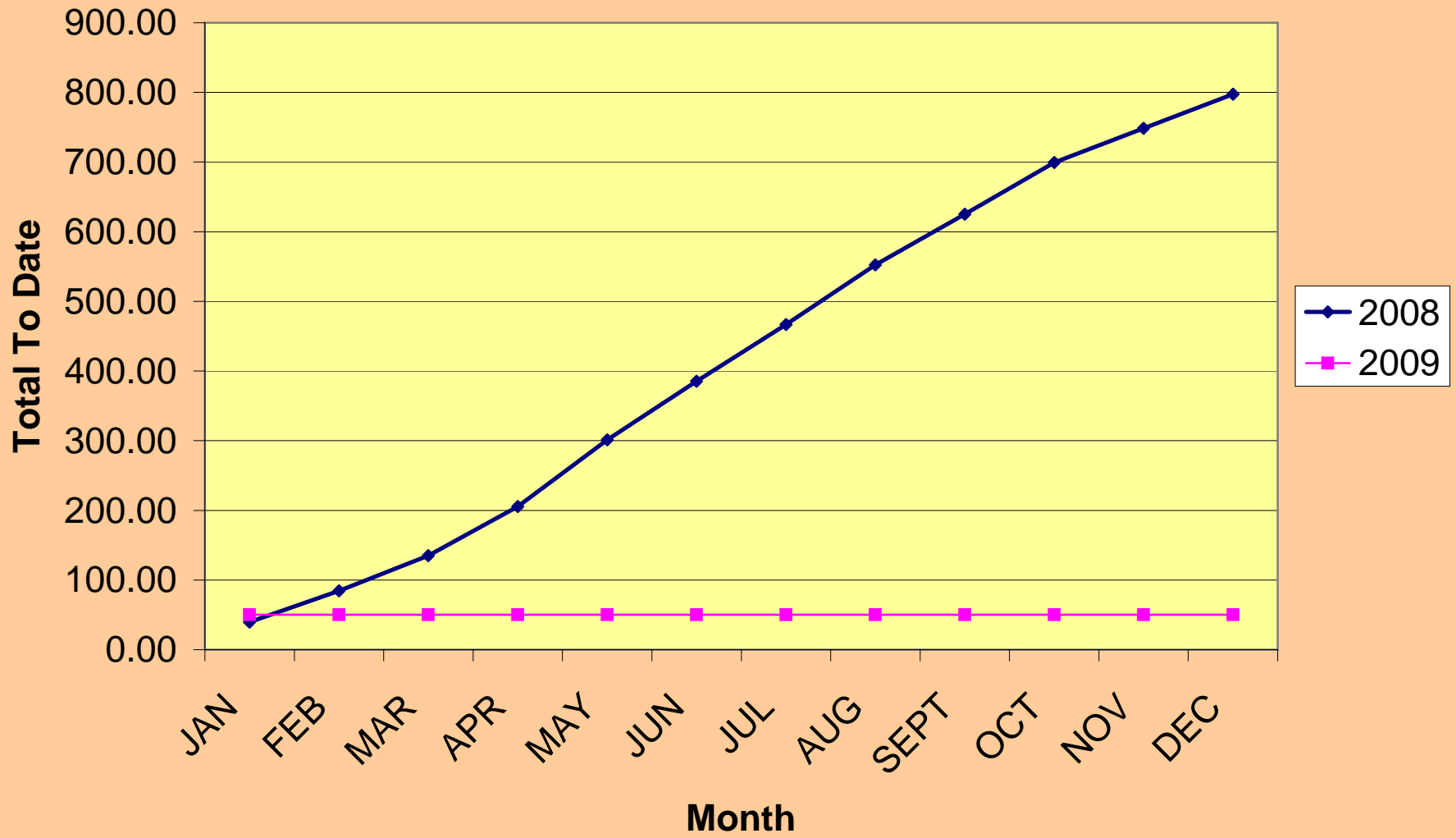
	<b>PILARCITOS WELLS</b>	<b>LAKE</b>	<b>DENNISTON WELLS</b>	<b>RESERVOIR</b>	<b>CRYSTAL SPRINGS RESERVOIR</b>	<b>RAW WATER TOTAL</b>	<b>IN PLANT USAGE</b>	<b>TREATED TOTAL</b>
<b>JAN</b>	1.56	0.00	0.00	0.78	52.21	54.55	4.456	50.09
<b>FEB</b>						0.00		0.00
<b>MAR</b>						0.00		0.00
<b>APR</b>						0.00		0.00
<b>MAY</b>						0.00		0.00
<b>JUN</b>						0.00		0.00
<b>JUL</b>						0.00		0.00
<b>AUG</b>						0.00		0.00
<b>SEPT</b>						0.00		0.00
<b>OCT</b>						0.00		0.00
<b>NOV</b>						0.00		0.00
<b>DEC</b>						0.00		0.00
								0
<b>TOTAL</b>	1.56	0.00	0.00	0.78	52.21	54.55	4.456	<b>50.09</b>
<b>% TOTAL</b>	2.9%	0.0%	0.0%	1.4%	95.7%	100.0%	8.2%	91.8%

**12 Month Running Total**

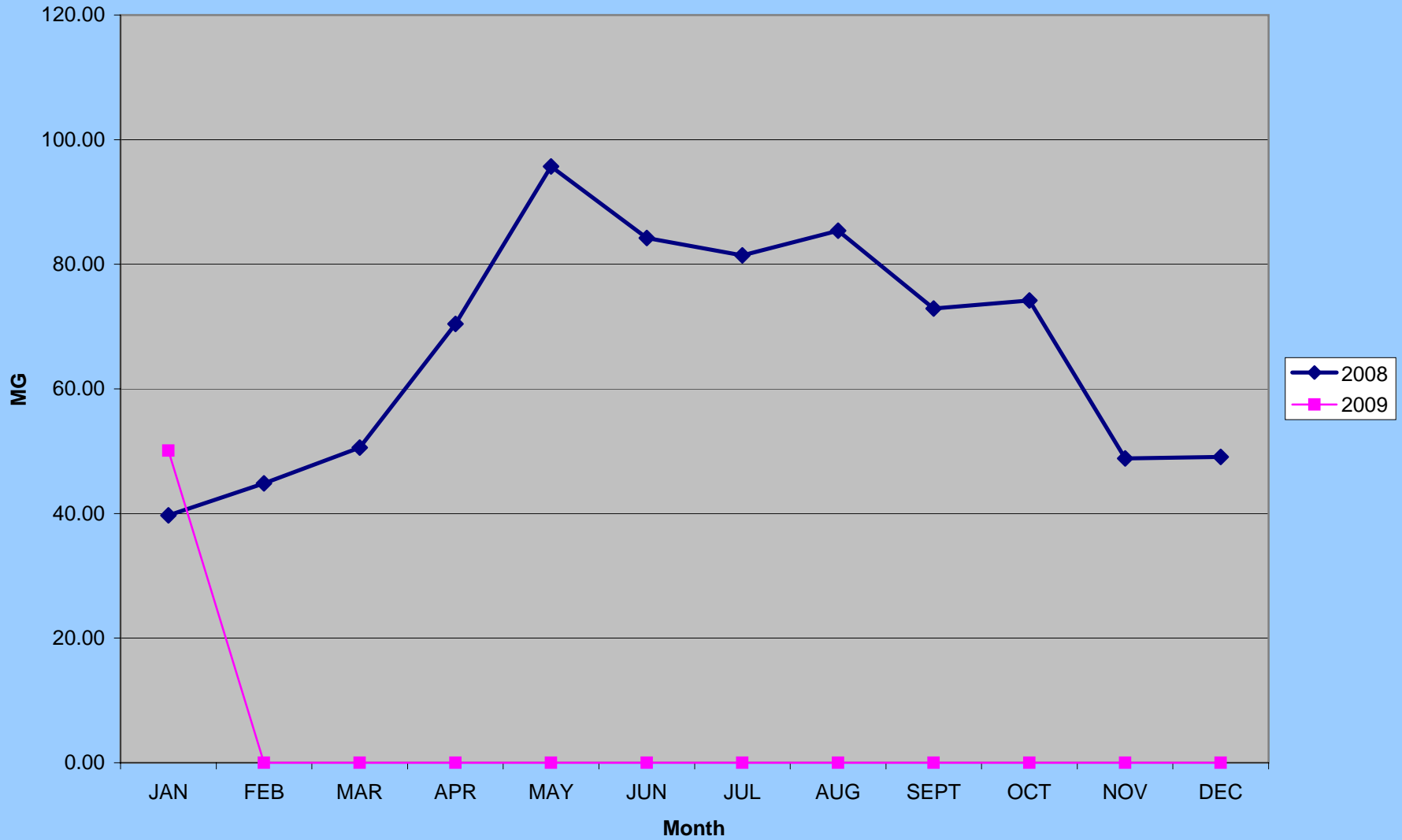
**807.76**

SOURCES OF UNMETERED WATER		2009				MG	
	Main Flushing	Detector Checks*	Main Breaks	Fire Dept	Other	Total	Comments
JAN	0	0.04	0.023	0.0005	1.018	1.0815	drained Denniston Tank
FEB						0	
MAR						0	
APR						0	
MAY						0	
JUN						0	
JUL						0	
AUG						0	
SEP						0	
OCT						0	
NOV						0	
DEC						0	
<b>TOTAL</b>	<b>0.00</b>	<b>0.04</b>	<b>0.02</b>	<b>0.00</b>		<b>1.08</b>	

# CUMULATIVE PRODUCTION



Production 2009 vs 2008





**Coastside County Water District Monthly Sales By Category (MG)  
2009**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	MG to Date
RESIDENTIAL	23.097												23.10
COMMERCIAL	5.456												5.46
RESTAURANT	2.623												2.62
HOTELS/MOTELS	3.755												3.76
SCHOOLS	0.737												0.74
MULTI DWELL	1.863												1.86
BEACHES/PARKS	0.405												0.41
FLORAL	9.622												9.62
RECREATIONAL	0												0.00
MARINE	1.006												1.01
IRRIGATION	2.042												2.04
Portable Meters	1.616												1.62
Unmetered Usage	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>TOTAL - MG</b>	<b>52.22</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>52.22</b>

Running 12 Month Total            765.11

**Coastside County Water District Monthly Sales By Category (MG)  
2008**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	MG to Date
RESIDENTIAL	21.17	31.05	19.64	36.623	28.871	53.578	30.064	53.703	29.785	46.449	23.142	36.05	410.13
COMMERCIAL	5.38	1.1	6.17	1.23	6.781	1.477	7.938	1.441	7.877	1.238	5.593	1.026	47.25
RESTAURANT	1.96	0.04	2.13	0.053	2.887	0.045	3.231	0.026	2.673	0.127	3.722	0.123	17.02
HOTELS/MOTELS	4.48	0.24	4.5	0.138	5.305	0.136	5.671	0.158	5.778	0.126	1.831	0.088	28.45
SCHOOLS	0.93	0.07	0.86	0.068	2.224	0.171	3.515	0.115	3.428	0.103	0.332	0.052	11.87
MULTI DWELL	4.51	6.08	4.38	5.921	5.146	6.365	5.762	6.217	5.382	6.054	2.759	2.828	61.40
BEACHES/PARKS	0.38	0.01	0.28	0.025	0.786	0.064	1.173	0.079	0.993	0.094	0.568	0.009	4.46
FLORAL	17.55	0.21	17.31	0.227	22.968	0.293	16.961	0.35	15.601	0.306	6.556	0.292	98.62
RECREATIONAL	0.07	0.16	0.06	0.174	0.096	0.209	0.111	0.228	0.12	0.2	0.065	0.167	1.66
MARINE	1.15	0	0.32	0	0.402	0	0.37	0	1.143	0	0.943	0	4.33
IRRIGATION	3.12	0.48	0.12	1.476	14.77	3.251	28.197	3.333	17.651	2.634	0.382	1.695	77.11
PORTABLE METERS	0	0.33	0	0.284	0	1.296	0	1.587	0	1.735	0	0.403	
Unmetered Usage	0.05	0.07	2.80	0.15	0.43	0.30	0.81	0.08	0.44	0.20	-0.05	0.43	5.64
<b>MG</b>	<b>60.75</b>	<b>39.84</b>	<b>58.57</b>	<b>46.37</b>	<b>90.66</b>	<b>67.19</b>	<b>103.80</b>	<b>67.32</b>	<b>90.87</b>	<b>59.27</b>	<b>45.84</b>	<b>43.16</b>	<b>773.64</b>

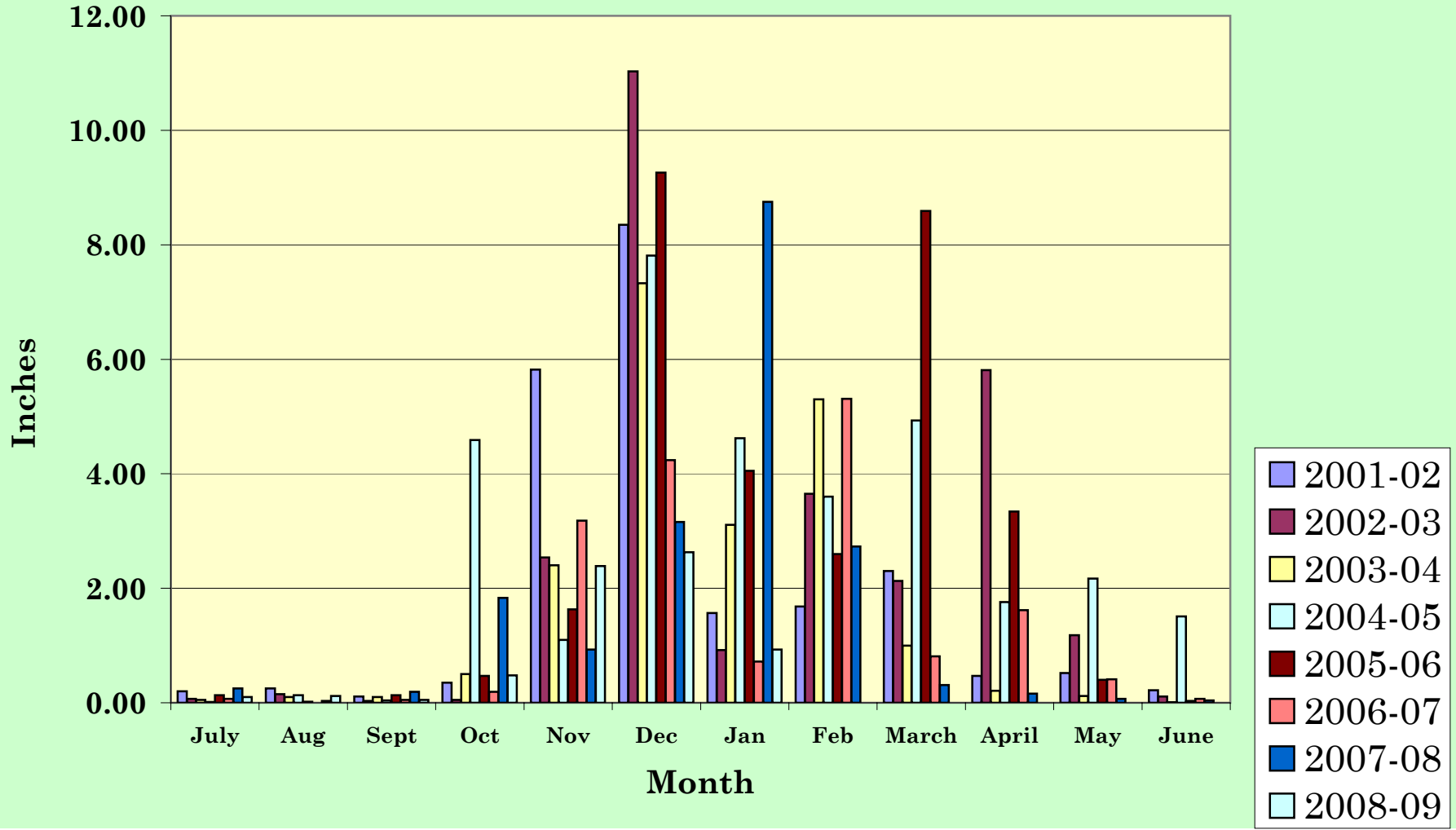




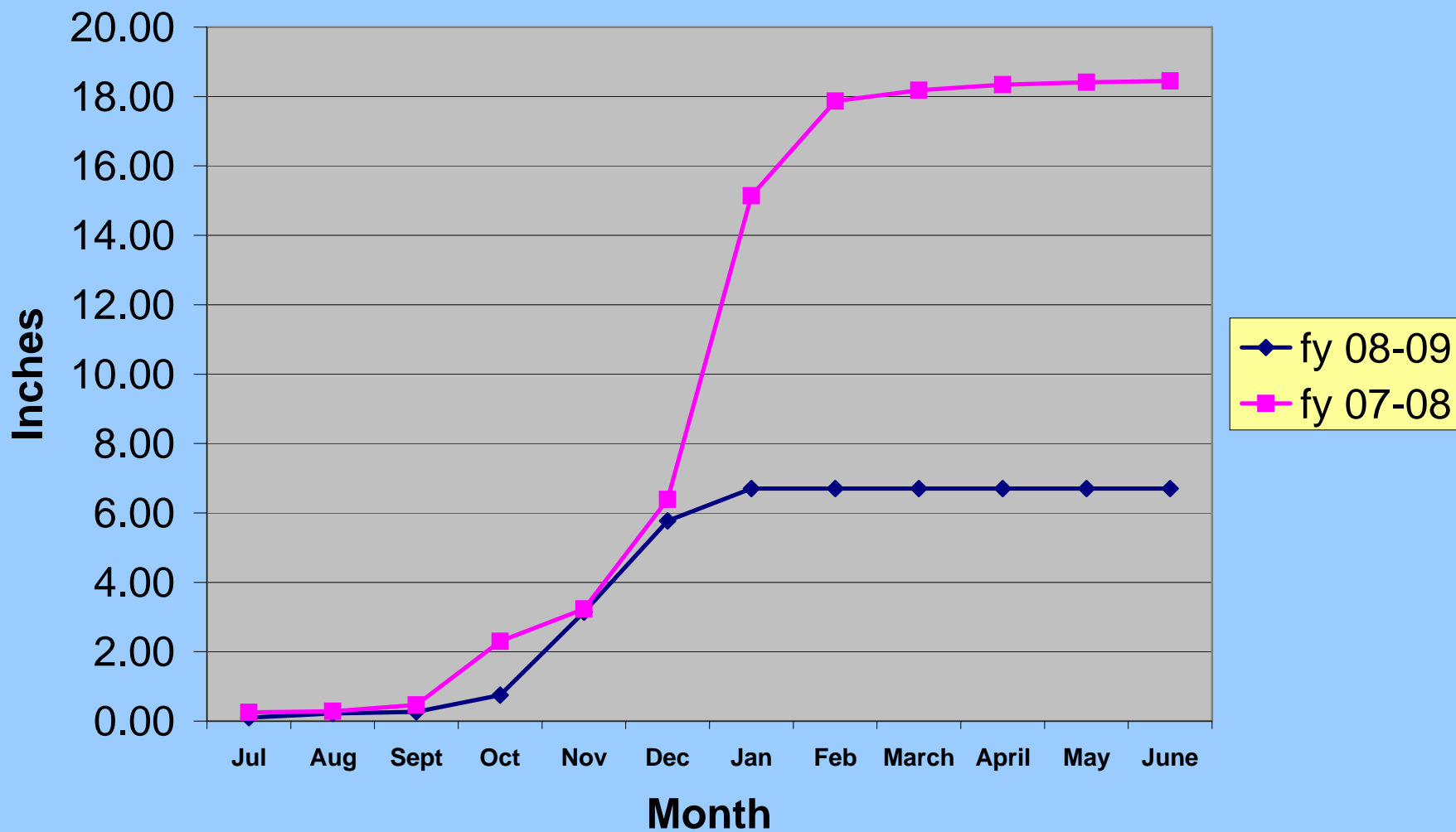
# Coastside County Water District

## Rainfall by Month

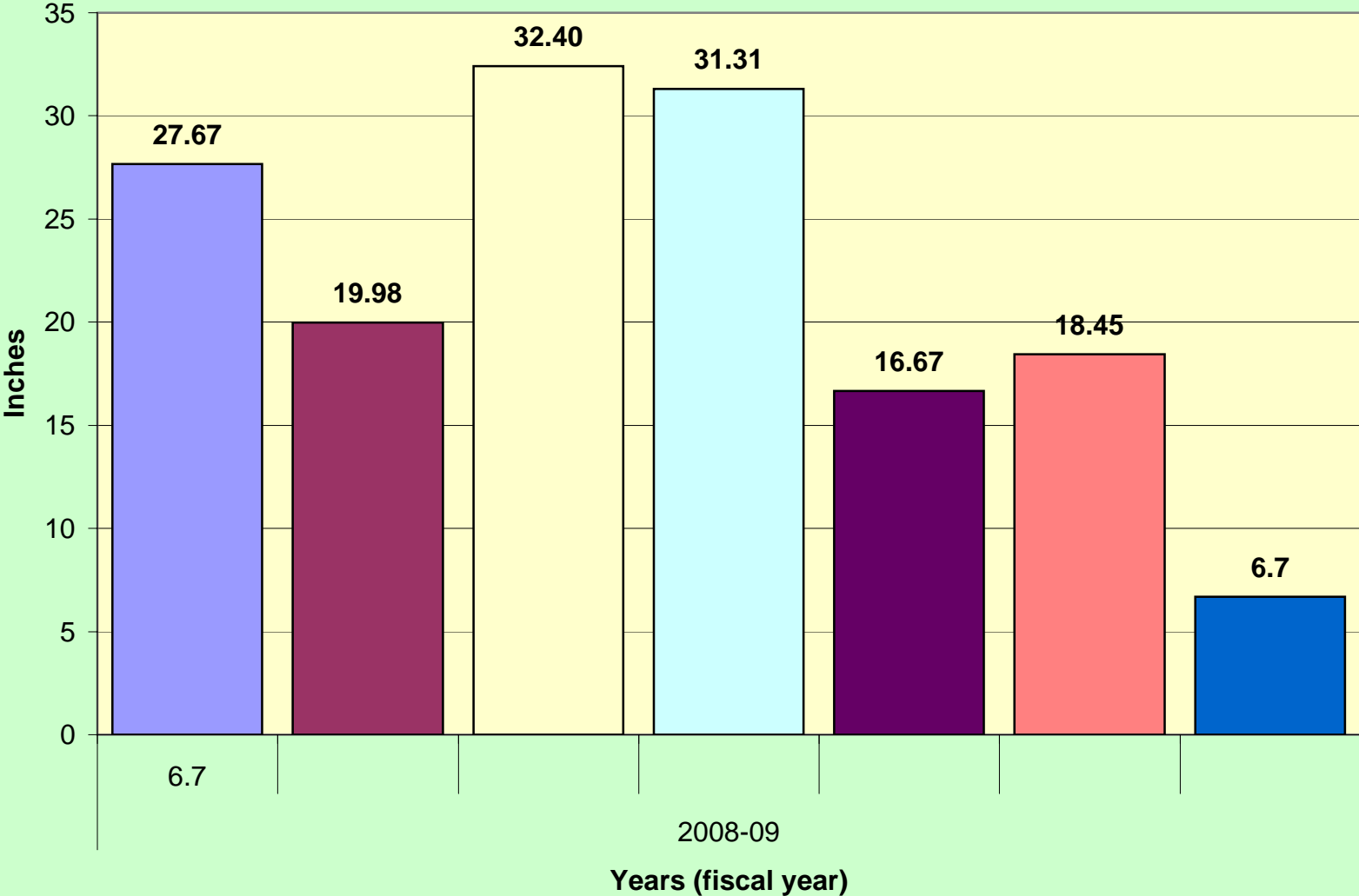
July '08 thru Jun '09



# Rainfall Totals fy 08 - 09



# Rain Totals



MONTHLY CLIMATOLOGICAL SUMMARY for JAN. 2009

NAME: Office CITY: Half Moon Bay STATE: CA ELEV: 80 LAT: 37 38' 00" LONG: 122 25'59"

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	49.0	54.1	3:00p	45.8	9:30p	16.0	0.0	0.00	3.6	19.0	1:30p	N
2	51.1	58.1	10:30a	40.5	11:30p	13.9	0.0	0.14	1.2	16.0	5:30p	SE
3	42.7	52.4	2:30p	34.6	12:00m	22.3	0.0	0.01	1.1	12.0	11:00a	NNW
4	42.0	53.0	1:30p	32.9	6:00a	23.0	0.0	0.00	1.9	11.0	11:30a	NNE
5	47.4	53.4	11:00a	42.9	12:30a	17.6	0.0	0.02	1.9	16.0	5:00p	NNE
6	49.9	57.1	1:30p	44.8	4:30a	15.1	0.0	0.00	2.4	13.0	1:00a	NNE
7	50.0	56.8	2:30p	46.2	6:30a	15.0	0.0	0.00	5.2	20.0	6:30a	N
8	50.2	59.9	1:00p	43.6	5:30a	14.8	0.0	0.00	2.4	15.0	1:30a	N
9	52.6	60.8	2:30p	42.5	5:00a	12.4	0.0	0.01	3.1	22.0	12:00p	N
10	55.6	64.8	3:30p	49.2	7:30a	9.3	0.0	0.00	5.0	20.0	7:00a	N
11	61.4	70.9	4:00p	55.0	8:30p	4.5	0.9	0.00	4.2	20.0	1:30a	N
12	66.7	72.8	4:00p	60.1	4:30a	1.2	2.9	0.00	5.9	27.0	7:30p	N
13	65.1	75.4	3:00p	54.5	12:00m	2.2	2.3	0.00	6.0	25.0	10:30a	NNE
14	64.5	73.5	4:00p	54.8	12:30a	2.5	1.9	0.00	3.6	21.0	4:30a	N
15	62.4	73.3	3:30p	51.3	11:00p	4.1	1.5	0.00	3.4	18.0	3:00p	N
16	62.9	72.4	3:00p	53.1	10:30p	3.5	1.5	0.00	4.7	22.0	9:30a	NNE
17	60.7	70.2	1:30p	54.9	7:30a	5.0	0.7	0.00	2.8	18.0	12:00p	NNE
18	61.2	68.9	3:00p	54.9	12:30a	4.2	0.4	0.00	5.4	24.0	9:30a	NNE
19	62.8	70.3	3:30p	58.4	8:00a	3.1	0.9	0.00	5.8	25.0	6:30a	NNE
20	62.5	70.3	3:30p	56.8	6:00a	3.2	0.7	0.00	5.1	18.0	11:00a	NNE
21	60.7	66.6	12:00p	54.0	11:30p	4.3	0.0	0.11	2.3	19.0	7:00a	NNE
22	56.6	64.4	2:30p	53.7	3:00a	8.4	0.0	0.32	0.2	10.0	8:00p	NNE
23	56.0	60.2	2:00p	53.9	4:30a	9.0	0.0	0.21	1.5	12.0	2:00a	NNE
24	54.4	60.1	2:00p	49.2	10:00p	10.6	0.0	0.04	0.8	10.0	10:00p	SW
25	51.0	57.0	1:00p	46.8	12:00m	14.0	0.0	0.07	3.7	17.0	6:30p	WSW
26	45.3	56.1	2:00p	38.3	8:30a	19.7	0.0	0.00	1.3	11.0	1:00p	N
27	45.6	55.0	2:30p	37.7	4:00a	19.4	0.0	0.00	2.1	12.0	6:30a	N
28	47.3	59.1	1:30p	37.5	1:00a	17.7	0.0	0.00	2.8	22.0	8:30a	NNE
29	56.6	66.8	3:30p	45.2	12:30a	8.5	0.1	0.00	4.1	25.0	12:30p	N
30	56.3	67.1	3:30p	46.2	11:00p	8.9	0.2	0.00	3.5	18.0	3:00a	N
31	51.0	62.5	12:00p	42.7	11:30p	14.0	0.0	0.00	1.6	15.0	11:30a	N
	54.9	75.4	13	32.9	4	327.4	14.1	0.93	3.2	27.0	12	N

Max >= 90.0: 0

Max <= 32.0: 0

Min <= 32.0: 0

Min <= 0.0: 0

Max Rain: 0.32 ON 1/22/09

Days of Rain: 7 (>.01 in) 4 (>.1 in) 0 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATE	COUNTY	RIVER	PRECIPITATION	TEMP.	ELEVATION OF RIVER GAGE ZERO	FLOOD STAGE	NORMAL POOL STAGE	PRECIPITATION		TEMPERATURE F.		WEATHER (Calendar Day)		RIVER STAGE		REMARKS (Special observations, etc.)							
								24-HR AMOUNTS	At Ob.	MAX.	MIN.	Fog	Ice Pellets	Glaze	Thunder		Hail	Damaging Winds	Time of observation if different from above	CONDITION	GAGE READING AT	TENDENCY	
TIME (local) OF OBSERVATION	STANDARD TIME IN USE	PRECIPITATION	FLOOD STAGE	TEMP.	ELEVATION OF RIVER GAGE ZERO	FLOOD STAGE	NORMAL POOL STAGE	Draw a straight line (—) through hours precipitation was not observed. (---) through hours precipitation probably occurred unobserved.	At Ob.	24-HR AMOUNTS	MAX.	MIN.	Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	CONDITION	GAGE READING AT	TENDENCY	REMARKS
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
CA	San Mateo	Pacific Ocean																					
08:30																							
1	53	44	47	0.01																			08:35 (0.00)
2	54	46	52	0.06																			08:50 (0.00)
3	52	37	39	0.10																			08:40 (0.00)
4	52	28	42	0.08																			08:35 (0.00)
5	53	36	49	0.01																			09:00 (0.00)
6	50	43	49	0.04																			08:45 (0.00)
7	58	43	49	0.00																			08:50 (0.00)
8	60	45	54	0.01																			08:35 (0.00)
9	60	31	43	0.01																			08:35 (0.00)
10	62	47	54	0.01																			8:40 (0.00)
11	62	47	63	0.00																			08:35 (0.00)
12	73	47	66	0.08																			08:45 (0.00)
13	74	61	65	0.08																			08:45 (0.00)
14	76	60	65	0.00																			08:35 (0.00)
15	75	48	62	0.00																			08:40 (0.00)
16	72	41	62	0.00																			08:35 (0.00)
17	75	42	60	0.00																			08:40 (0.00)
18	72	46	60	0.00																			08:35 (0.00)
19	71	58	65	0.00																			09:15 (0.00)
20	72	55	63	0.00																			08:50 (0.00)
21	72	50	63	0.00																			10:15 (0.00)
22	67	52	59	0.51																			08:20 (0.00)
23	58	52	55	0.10																			08:40 (0.00)
24	60	51	53	0.27																			08:35 (0.00)
25	56	48	52	0.01																			10:00 (0.00)
26	55	33	43	0.07																			08:40 (0.00)
27	55	33	47	0.00																			09:12 (0.00)
28	60	33	48	0.00																			08:25 (0.00)
29	62	37	57	0.00																			08:30 (0.00)
30	68	43	55	0.00																			08:30 (0.00)
31	61	39	46	0.00																			08:50 (0.00)

STATION INDEX NO. 04-3714

SUPERVISING OFFICE

OBSERVER

E. Ice gorge below gage  
F. Shores ice.  
G. Floating ice.  
H. Pool stage.

CONDITION OF RIVER AT GAGE  
SUM

READING DATE

CHECK BAR (For wire-weight) NORMAL CK. BAR



# San Francisco Public Utilities Commission

## Hydrological Conditions Report

### For January 2009

J. Chester, B. McGurk, A. Mazurkiewicz, M. Tsang, February 2, 2009

#### Current System Storage

Current Hetch Hetchy System and Local Bay Area storage conditions are summarized in Table 1.

<b>Table 1 Current Storage As of February 1, 2009</b>							
Reservoir	Current Storage		Maximum Storage		Available Capacity		Percent of Maximum Storage
	Acre-Feet	Millions of Gallons	Acre-Feet	Millions of Gallons	Acre-Feet	Millions of Gallons	
<b>Tuolumne System</b>							
Hetch Hetchy <sup>1/</sup>	242,813		340,830		98,017		71.2%
Cherry <sup>2/</sup>	249,001		268,810		19,809		92.6%
Lake Eleanor <sup>3/</sup>	14,231		23,541		9,310		60.5%
Water Bank	343,617		570,000		226,383		60.3%
Tuolumne Storage	849,662		1,203,181		353,519		70.6%
<b>Local Bay Area Storage</b>							
Calaveras <sup>4/</sup>	26,290	8,566	96,824	31,550	70,534	22,984	27.2%
San Antonio	42,243	13,765	50,496	16,454	8,253	2,689	83.7%
Crystal Springs	47,619	15,517	58,377	19,022	10,758	3,505	81.6%
San Andreas	16,874	5,498	18,996	6,190	2,122	692	88.8%
Pilarcitos	2,052	669	3,100	1,010	1,048	341	66.2%
Total Local Storage	135,078	44,015	227,793	74,226	92,715	30,211	59.3%
<b>Total System</b>	984,740		1,430,974				68.8%

<sup>1/</sup> Maximum Hetch Hetchy Reservoir storage with drum gates deactivated.

<sup>2/</sup> Maximum Cherry Reservoir storage with flash-boards out.

<sup>3/</sup> Maximum Lake Eleanor storage with all stop-logs out.

<sup>4/</sup> Available capacity does not take into account current DSOD storage restrictions.

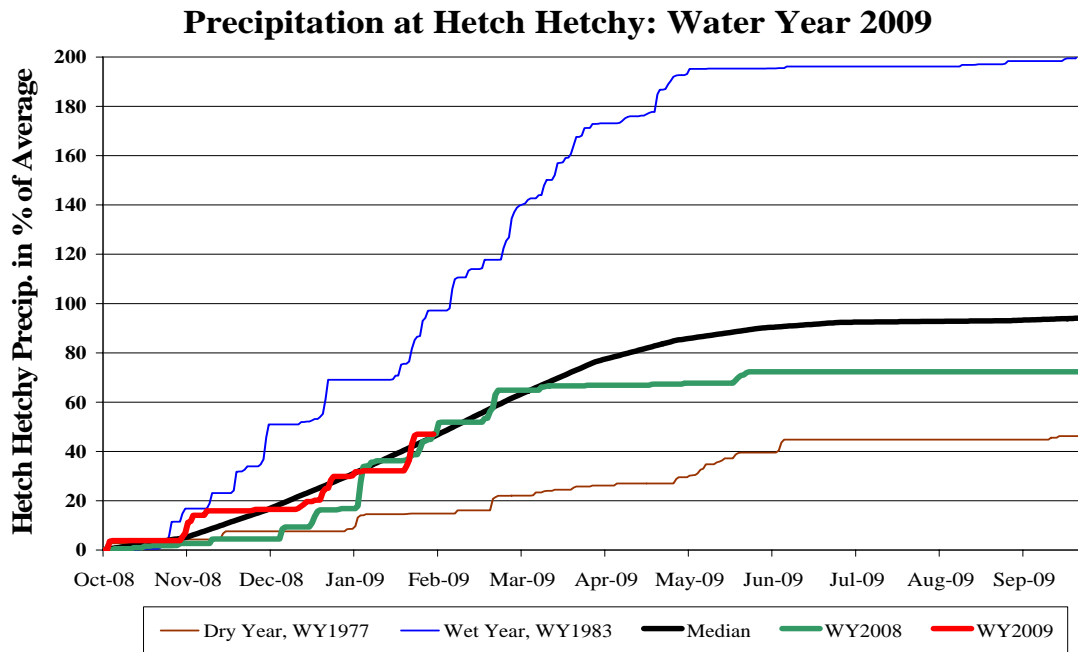
#### Hetch Hetchy System Precipitation Index <sup>5/</sup>

*Current Month:* The January precipitation index is 5.46 inches, or 85.2% of the average index for the month. The majority of the month was a dry, but the January 22-26 storm was significant and produced about 85% of the monthly precipitation. This storm was relatively warm and brought rainfall up to 8,000 feet. 6.08 inches of precipitation accumulated at O'Shaughnessy Dam in January, which is 103.2% of the monthly average.

*Cumulative Precipitation to Date:* The accumulated precipitation index for water year 2009 is 16.07 inches, which is 45.2% of the average annual water year total, or 88.5% of the season-to-date precipitation index. The cumulative precipitation for the Hetch Hetchy gauge is shown in Figure 1 in red, indicating that accumulated precipitation at Hetch Hetchy is about average.

<sup>5/</sup>The precipitation index is computed using six Sierra precipitation stations and is an indicator of the wetness of the basin for the water year to date. The index is computed as the average of the six stations and is expressed in inches and in percent.

**Figure 1:** Water year 2009 cumulative precipitation received at Hetch Hetchy Reservoir through the end-of-month January. Precipitation curves for wet, dry, median, and WY 2008 years for the station at Hetch Hetchy are included for comparison purposes.



### Tuolumne Basin Unimpaired Inflow

Unimpaired inflow to SFPUC reservoirs and Tuolumne River at La Grange as of January 31<sup>st</sup> is summarized below in Table 2. The total January inflow to Hetch Hetchy Reservoir was 30,982 acre-feet, or 132% of the long-term average. The January inflow volumes to the SFPUC watersheds were above average due to a combination of a) above average temperatures early in the month, which melted low-elevation snow, and b) the end-of-month storm that had a high rain-snow line. Natural flow at LaGrange for December was 86% of average. In January, 37,134 acre-feet of water became available to the City. The overall available water to the city is 44% of the long-term average.

<b>Table 2 Unimpaired Inflow Acre-Feet</b>								
	January 2009				October 1, 2008 through January 31, 2009			
	Observed Flow	Median <sup>6</sup>	Average <sup>6</sup>	Percent of Average	Observed Flow	Median <sup>6</sup>	Average <sup>6</sup>	Percent of Average
Inflow to Hetch Hetchy Reservoir	30,982	15,297	23,455	132%	64,001	49,332	64,489	99%
Inflow to Cherry Reservoir and Lake Eleanor	39,138	15,572	24,383	160%	77,572	51,546	68,450	113%
Tuolumne River at La Grange	105,549	71,722	123,078	86%	196,462	180,751	273,890	72%
Water Available to the City	37,134	6,377	53,050	68%	46,409	22,226	105,435	44%

<sup>6</sup> Hydrologic Record: 1919 – 2005.

## Hetch Hetchy System Operations

Draft from Hetch Hetchy Reservoir in January totaled 12,861 acre-feet and was made only to meet SJPL delivery and the fishery release. Draft from Hetch Hetchy was below the normal January draft volumes due to a scheduled maintenance shutdown.

During December, about 26,509 acre-feet of powerdraft was made from Cherry Reservoir to support the City's Municipal load and District Class 1. All water released to the stream channels from Cherry and Hetch Hetchy was transferred to the City's Water Bank account in Don Pedro Reservoir. To facilitate capture of future storm runoff, 11,387 acre-feet of water was pumped from Lake Eleanor to Cherry Reservoir in January.

## Local System Operations

The average rate at the Sunol Valley Water Treatment Plant for January was 70 MGD. The Harry Tracy Water Treatment Plant rate for January averaged 67 MGD. These rates were higher than normal January rates due to the scheduled shutdown of the Hetch Hetchy system.

## Local System Water Demand

January water demand averaged 183 MGD, a 9% increase over the December average of 168. The increase in demand can be attributed to the unseasonably dry and warmer-than-average temperatures for January. In addition, starting in January 2009, a new approach to calculating monthly water usage will be used in this report; the new approach incorporates a more explicit accounting methodology over the approach used in previous Hydrologic Conditions Reports.

## Local Precipitation

Precipitation totals across the local watersheds were 29% of normal for the month, and 52% of normal for year-to-date; this is well below the expected January monthly totals. Precipitation totals are presented in Table 3.

**Table 3.** Precipitation Totals for January, 2009 at Three Local Reservoirs

Reservoir	Month Total (inches)	Percentage of Normal for the Month	Year To Date <sup>7</sup> (inches)	Percentage of Normal for the Year to Date <sup>7</sup>
Pilarcitos	1.75	22 %	10.33	45 %
Lower Crystal Springs	1.26	22 %	6.90	44 %
Calaveras	1.88	44 %	8.11	67 %

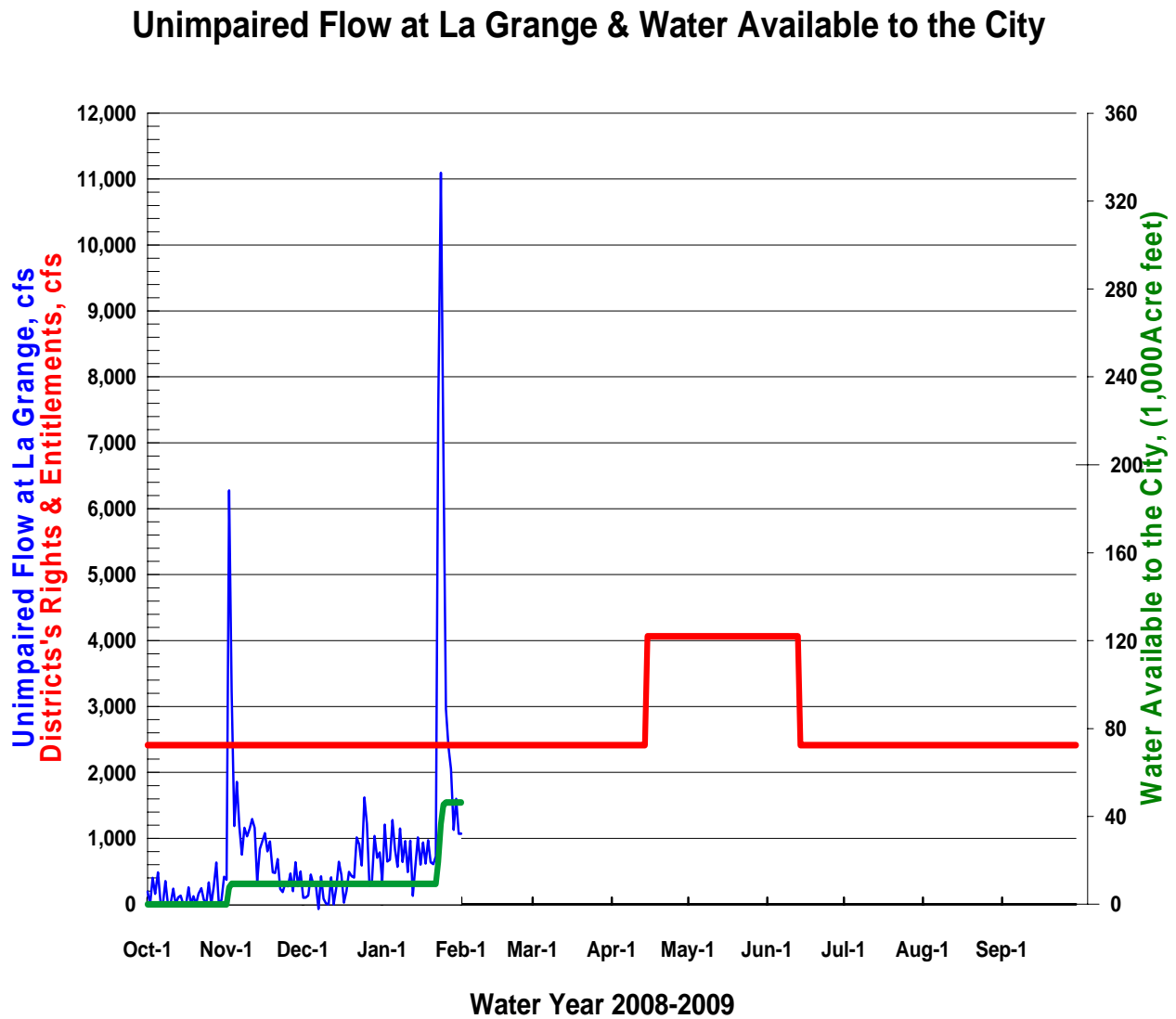
<sup>7</sup> Since 7-1-2008

## Snowmelt and Water Supply

Manual snow survey measurements were made during the last week of January. These measurements provide vital snowpack and water supply information. The measurements within the Tuolumne River watershed indicate that the snowpack is 73% of average February 1<sup>st</sup> conditions and 46% of April 1<sup>st</sup> snowpack. Typical February 1<sup>st</sup> snowpack is 60% of April 1<sup>st</sup>. These measurements indicate that the mountain snowpack is less deep than normal and desired. However, snow conditions in the Tuolumne are better than almost all other watersheds in the state.

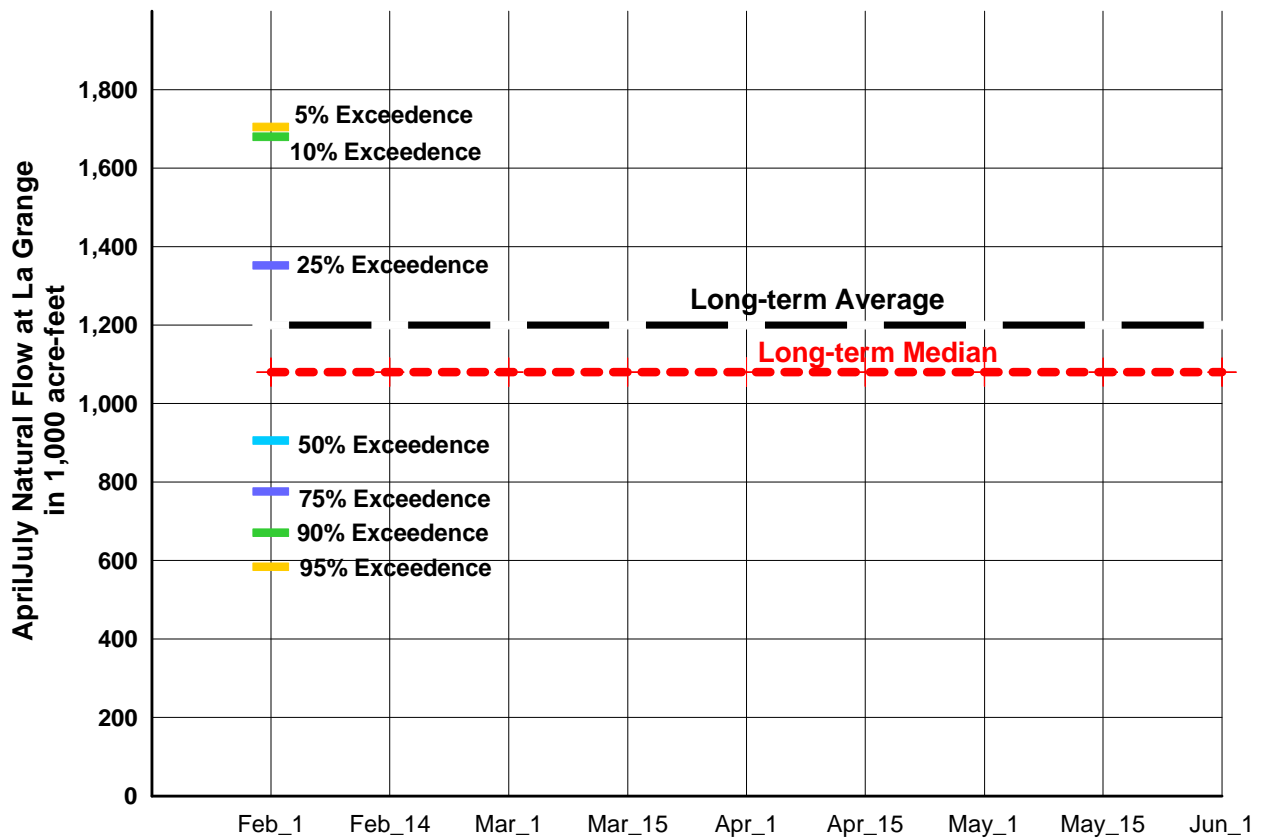
Currently, a high pressure system is dominating the weather pattern. The current weather forecast indicates that a small low pressure system will move through the region starting Thursday, February 5th. The system will bring modest amounts of precipitation. The long-term climate forecasts indicate that the 1-month and 3-month precipitation forecast has equal chance of being above or below normal in spite of the La Nina conditions that are occurring.

**Figure 2:** Calculated unimpaired flow at La Grange and the allocation of flows between the Districts and the City. Water available to the City for the period from October 1<sup>st</sup>, 2008 through January 31st, 2009 was 46,409 acre-feet.



**Figure 3:** Tuolumne River at La Grange unimpaired flow and City Entitlement

## April-July Natural Flow at LaGrange



Using the measured snow course and precipitation data, the volumetric forecast procedure was completed for February 1. The forecast indicates that the median amount of runoff that may occur this year is about 83.9% of the long-term median. The median forecast of April-to-July runoff is about 906 TAF, compared to the long-term median runoff for the April-to-July period of 1,080 TAF. For natural flow at LaGrange, there is an 80 percent chance that the April-to-July natural runoff will be between 671 TAF and 1,680 TAF. The forecast is below normal median conditions due to the lack of mountain snowpack, early low-elevation melt due to warm weather in January, and below-average water-year precipitation.

cc	HHWP Records	Dufour, Alexis	Mazurkiewicz, Adam	Samii, Camron
	Briggs, David	Gibson, Bill	McGurk, Bruce	Sandkulla, Nicole
	Cameron, David	Hale, Barbara	Meier, Steve	Sanguinetti, Dave
	Carlin, Michael	Hannaford, Margaret	Nelson, Kent	Tsang, Michael
	Chester, John	Jensen, Art	Ramirez, Tim	Winnicker, Tony
	DeGraca, Andrew	Kehoe, Paula	Rickson, Norman	
	Dhakal, Amod	Levin, Ellen	Riffel, Dave	

**STAFF REPORT**

**To:** Coastside County Water District Board of Directors

**From:** Dave Dickson, General Manager

**Agenda:** February 10, 2009

**Date:** February 2, 2009

**Subject:** Acceptance of 909 Miramontes Street Non-Complex Pipeline Extension Project

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**Recommendation:**

Accept the water system improvements for the Non Complex Pipeline Extension Project at 909 Miramontes Street as complete.

**Background:**

A non-complex pipeline extension project for Miramontes Street was completed in January 2009.

The District accepts the project utility system according to the conditions listed below:

- √ That the Project Utility System was constructed in accordance with the district regulations.
  
- √ All costs for the construction of the Project has been borne by the applicant. No outstanding fees are due at this time.

**Fiscal Impact:** None.

## **STAFF REPORT**

**To:** David Dickson, General Manager

**From:** Joe Guistino

**Agenda:** February 10, 2009

Report

Date: February 4, 2009

**Subject:** Miramar Tank Coating

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**Recommendation:** Direct Staff to prepare bid documents and solicitation of bids for the internal and external coating and minor modifications of Miramar Tank.

**Background:** The Miramar Tank is a 1.0 MG storage reservoir that serves to maintain water pressure to the central part of our distribution network. It was built in 1964 and still retains much of the original coating. It was partially recoated following seismic retrofits in 1998 but there are still many areas where the internal coating has detached from the wall. In April, 2008, we contracted a professional tank inspection/cleaning company to clean the tank and assess its condition. Their recommendation was to "Remove the existing interior coating and apply a new NSF approved epoxy type coating. The existing interior coating was in such disrepair that it would not be cost effective to attempt to patch all of the problem areas." Aside from the obvious danger of corrosion and subsequent weakening of the carbon steel structure, water gets under the failed coating and soon loses its chlorine residual. These pockets are then colonized by bacteria, posing a contamination hazard to the rest of the tank's storage. As for the external coating, their recommendation is that the external coating can be spot repaired and recoated.

Miramar Tank is also poorly mixed and required frequent chlorination. A simple modification to the inlet/outlet line with a Tideflex system can provide some mixing at a low capital investment.

The tank ladder is substandard and poses a risk for employees getting on and off at the top of the tank. I have developed a standard ladder with a top landing that should be incorporated into all tank specifications.

Other minor repairs include installation of a sound sampling station and a specialized port for air mixing/chlorine injection.

**Fiscal Impact:** The estimate provided by our Tank Coating Inspectors for internal recoating and external coating repairs is \$150,000. The other modifications listed should be no more than \$50,000. Adequate funds have been allocated for this project in the FY09 budget.

***STAFF REPORT***

**Agenda: December 9, 2008**

**Subject: Pilarcitos Integrated Watershed Management Plan**

**Page Two**

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## **STAFF REPORT**

**To:** Coastside County Water District Board of Directors

**From:** David Dickson, General Manager

**Agenda:** February 10, 2009

Report

Date: February 5, 2009

**Subject: Drought Planning: How CCWD Water Supply Would Be Affected by SFPUC Mandatory System-Wide Reduction**

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### **Recommendation:**

None. Information only

### **Background:**

With California experiencing its third dry year in a row, water agencies all over the state have instituted mandatory rationing programs or are considering them. Should the San Francisco Public Utility Commission make a formal declaration of drought emergency and impose mandatory reductions in water allocations, CCWD's water supply will be dramatically affected. BAWSCA has provided preliminary scenarios (Attachment A) that indicate CCWD could experience cutbacks of 36 - 40% from current supply levels, based on SFPUC system-wide cutbacks of 15% to 20%.

Allocation of water to CCWD and other BAWSCA agencies is governed by agreements between SFPUC and the wholesale users and by agreements among the wholesale users. In order to provide background for the Board's consideration of drought contingency measures in the coming months, staff will make a presentation (slides, Attachment B) on the agreements and on how SFPUC supply cutbacks will be determined and administered.

### **Fiscal Impact:**

None.

**BAY AREA WATER SUPPLY AND CONSERVATION AGENCY**

**TECHNICAL ADVISORY COMMITTEE**

**Agenda Title:**        **Interim Water Shortage Allocation Plan Calculation**

**Summary:**

As requested at the last TAC meeting, attached are calculations for the Interim Water Shortage Allocation plan computed under two different conditions:

- 15% systemwide cutback  
    = 24.6% average wholesale cutback
- 20% systemwide cutback  
    = 29.6% average wholesale cutback

These calculations are provided for the singular purpose of demonstrating how much water would be allocated to individual agencies under the existing shortage allocation agreements for two possible levels of reduction. These are not predictions.

Although water supply conditions have not improved this January, San Francisco has not yet forecasted water supply availability for next year.

Sample Calculation

**24.6%** Average Suburban Reduction from **FY 07-08** Purchases

(Units in million gallons per day unless otherwise noted)

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13)

Suburban Purchasers	Allocation Basis				Unadjusted Allocations					Allocations Adj. for Santa Clara & San José				Final Individual Share
	First Fixed Component	Second Fixed Component	Variable Component	Average	Allocation Factors	Initial Shortage Allocation	FY 07-08 Purchases	Initial Purchase Cutback	Subtotal Allocation Factors	Adjusted Shortage Allocation	Adjusted Purchase Cutback			
ACWD	13.76	11.95	12.39	12.70	7.16%	9.33	12.86	-3.53	-27.45%	7.54%	9.45	-3.41	-26.51%	7.25%
Brisbane	0.46	0.30	0.29	0.35	0.20%	0.26	0.23	0.03	11.62%	0.21%	0.26	0.03	13.07%	0.20%
Burlingame	5.23	4.68	4.45	4.79	2.70%	3.52	4.49	-0.97	-21.56%	2.84%	3.57	-0.92	-20.54%	2.73%
Coastside	2.18	1.35	1.90	1.81	1.02%	1.33	2.07	-0.74	-35.84%	1.07%	1.35	-0.73	-35.01%	1.03%
CWS Total*	35.50	33.51	36.70	35.24	19.86%	25.90	37.62	-11.73	-31.17%	20.91%	26.23	-11.39	-30.27%	20.11%
Daly City*	4.49	4.49	3.80	4.26	2.40%	3.13	4.48	-1.35	-30.06%	2.53%	3.17	-1.31	-29.15%	2.43%
East Palo Alto	2.18	2.10	2.11	2.13	1.20%	1.57	2.15	-0.59	-27.25%	1.26%	1.59	-0.57	-26.31%	1.22%
Estero	7.23	5.45	5.44	6.04	3.40%	4.44	5.50	-1.06	-19.27%	3.58%	4.50	-1.00	-18.23%	3.45%
Guadalupe	0.52	0.27	0.37	0.39	0.22%	0.28	0.40	-0.12	-29.11%	0.23%	0.29	-0.11	-28.19%	0.22%
Hayward	24.00	17.56	18.60	20.06	11.30%	14.74	19.28	-4.54	-23.55%	11.90%	14.93	-4.35	-22.56%	11.45%
Hillsborough	4.09	3.60	3.63	3.78	2.13%	2.78	3.82	-1.05	-27.37%	2.24%	2.81	-1.01	-26.43%	2.16%
Menlo Park	4.24	3.43	3.49	3.72	2.09%	2.73	3.68	-0.95	-25.81%	2.21%	2.77	-0.92	-24.85%	2.12%
Mid Pen WD	3.89	3.26	3.31	3.49	1.97%	2.56	3.24	-0.67	-20.80%	2.07%	2.60	-0.64	-19.78%	1.99%
Millbrae	3.15	2.64	2.52	2.77	1.56%	2.04	2.45	-0.42	-16.94%	1.64%	2.06	-0.39	-15.86%	1.58%
Milpitas	9.23	6.80	6.80	7.61	4.29%	5.59	6.94	-1.34	-19.36%	4.52%	5.67	-1.27	-18.31%	4.34%
Mountain View	13.46	10.36	10.50	11.44	6.45%	8.41	10.48	-2.07	-19.76%	6.79%	8.52	-1.96	-18.72%	6.53%
North Coast	3.84	3.29	3.16	3.43	1.93%	2.52	3.24	-0.72	-22.23%	2.04%	2.55	-0.69	-21.23%	1.96%
Palo Alto	17.07	12.96	12.54	14.19	8.00%	10.43	12.68	-2.25	-17.76%	8.42%	10.57	-2.12	-16.70%	8.10%
Purissima Hills	1.85	1.85	2.19	1.96	1.10%	1.44	2.30	-0.86	-37.39%	1.16%	1.46	-0.84	-36.58%	1.12%
Redwood City	10.93	10.92	11.18	11.01	6.20%	8.09	10.98	-2.89	-26.33%	6.53%	8.19	-2.79	-25.38%	6.28%
San Bruno*	3.25	2.01	1.94	2.40	1.35%	1.76	1.86	-0.10	-5.30%	1.42%	1.78	-0.08	-4.07%	1.37%
Skyline	0.18	0.16	0.16	0.17	0.09%	0.12	0.16	-0.03	-21.21%	0.10%	0.12	-0.03	-20.19%	0.10%
Stanford	3.03	2.58	2.26	2.62	1.48%	1.93	2.30	-0.38	-16.36%	1.56%	1.95	-0.35	-15.27%	1.50%
Sunnyvale	12.58	10.73	9.75	11.02	6.21%	8.10	10.49	-2.39	-22.81%	6.54%	8.20	-2.29	-21.81%	6.29%
Westborough	1.32	0.98	1.12	1.14	0.64%	0.84	0.95	-0.11	-11.66%	0.68%	0.85	-0.10	-10.52%	0.65%
Subtotal	187.67	157.23	160.61	168.50		123.85	164.67	-40.83	-24.79%	100.00%	125.45	-39.22	-23.82%	
San José	2.68	4.10	4.62	3.80	2.14%	2.79	4.79	-1.99	-41.66%		2.79	-1.99	-41.66%	2.14%
Santa Clara	6.57	4.72	4.15	5.15	2.90%	3.78	3.48	0.30	8.73%		2.18	-1.30	-37.39%	1.67%
Total	196.92	166.06	169.38	177.45	100.00%	130.42	172.94	-42.52	-24.59%		130.42	-42.52	-24.6%	100.00%

\*Agency participating in Westside Basin Conjunctive use Study

**Derivation of the Santa Clara/San José adjustment:**

1. Largest permanent customer cutback: -37.39%
- 2a. Adjusted Santa Clara shortage allocation: 2.18 (Applying largest permanent customer cutback)
- 2b. Santa Clara adjustment: -1.60 (Difference between initial and adjusted alloc.)
- 3a. Adjusted San José shortage allocation: 3.00 (Applying largest permanent customer cutback)
- 3b. San José adjustment: 0.00 (Difference between initial and adjusted alloc.)
4. Total Adjustment: -1.60 (2b + 3b)

## Suburban Shortage Allocations

### *Assumptions and Column Notes*

Avg. Shortage for the Suburban Purchasers = 24.6%  
 Water available to the Suburban Purchasers = 130.42 mgd

**Column notes:**

Allocation Basis. The Allocation Basis is used for calculating Allocation Factors and is the average of the following three components:

1. First Fixed Component: The greater of either the Supply Assurance values or the three-year average of SFPUC purchases for FYs 1996-97, 1997-98, and 1998-99, with certain exceptions.
  - a. Daly City's and Purissima Hill's values are based on their three-year averages, which is greater than their Supply Assurance values.
  - b. Hayward's and Estero's values are based on their 2010-11 projected purchases, as reported in the BAWUA 1997-98 Annual Survey.
  - c. San José's and Santa Clara's values are based on the water supply caps in their individual water supply contracts with the SFPUC.
2. Second Fixed Component: The average of SFPUC purchases for FYs 1996-97, 1997-98, and 1998-99.
3. Variable Component: The rolling three-year average, updated annually, beginning with FYs 1996-97, 1997-98, and 1998-99.
4. Average: The average of columns 1, 2, and 3.

Unadjusted Allocations. The initial shortage allocations in column 6 are adjusted for Santa Clara and San José in columns 10 through 13.

5. Allocation Factors: The ratio of each Suburban Purchaser's column 4 average to the column 4 total.
6. Initial Shortage Allocation: The product of each Suburban Purchaser's column 5 Allocation Factor times the column 6 total, which represents the assumed available water supply.
7. FY 2007-08 Purchases: The most recent year's purchases to which the Shortage Allocation can be compared to determine the effective cutback.
8. Purchase Cutback: Column 6 minus column 7, in mgd.
9. Purchase Cutback: The ratio of column 8 to column 7, in percent.

Allocations Adjusted for Santa Clara and San José. This adjustment is made so that Santa Clara's and San José's cutbacks are at least as great as the highest cutback by the permanent customers.

In this example, there is no adjustment required for San José because the formula results in an unadjusted cutback that is already greater than the highest cutback by a permanent customer.

10. Subtotal Allocation Factors: The ratio of each permanent Suburban Purchaser's column 4 average to the column 4 subtotal.
11. Adjusted Shortage Allocation: The product of each Suburban Purchaser's column 10 Subtotal Allocation Factor times the Column 11 subtotal.
  - a. The column 11 subtotal is the sum of the column 6 subtotal plus the Santa Clara adjustment.
  - b. The Santa Clara adjustment is the difference between its column 6 Initial Shortage Allocation and its Adjusted Shortage Allocation.
  - c. Santa Clara's Adjusted Shortage Allocation is the product of its column 4 average and the largest Purchase Cutback received by the permanent Suburban Purchasers.
12. Adjusted Purchase Cutback: Column 11 minus column 7, in mgd.
13. Adjusted Purchase Cutback: The ratio of column 12 to column 7, in percent.

Sample Calculation

29.6% Average Suburban Reduction from FY 07-08 Purchases

(Units in million gallons per day unless otherwise noted)

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13)

Suburban Purchasers	Allocation Basis				Unadjusted Allocations					Allocations Adj. for Santa Clara & San José				Final Individual Share
	First Fixed Component	Second Fixed Component	Variable Component	Average	Allocation Factors	Initial Shortage Allocation	FY 07-08 Purchases	Initial Purchase Cutback	Subtotal Allocation Factors	Adjusted Shortage Allocation	Adjusted Purchase Cutback			
ACWD	13.76	11.95	12.39	12.70	7.16%	8.71	12.86	-4.15	-32.26%	7.54%	8.83	-4.04	-31.38%	7.25%
Brisbane	0.46	0.30	0.29	0.35	0.20%	0.24	0.23	0.01	4.22%	0.21%	0.24	0.01	5.57%	0.20%
Burlingame	5.23	4.68	4.45	4.79	2.70%	3.29	4.49	-1.20	-26.76%	2.84%	3.33	-1.16	-25.81%	2.73%
Coastside	2.18	1.35	1.90	1.81	1.02%	1.24	2.07	-0.83	-40.09%	1.07%	1.26	-0.81	-39.32%	1.03%
CWS Total*	35.50	33.51	36.70	35.24	19.86%	24.18	37.62	-13.44	-35.73%	20.91%	24.49	-13.13	-34.90%	20.11%
Daly City*	4.49	4.49	3.80	4.26	2.40%	2.93	4.48	-1.55	-34.70%	2.53%	2.96	-1.52	-33.85%	2.43%
East Palo Alto	2.18	2.10	2.11	2.13	1.20%	1.46	2.15	-0.69	-32.07%	1.26%	1.48	-0.67	-31.19%	1.22%
Estero	7.23	5.45	5.44	6.04	3.40%	4.15	5.50	-1.35	-24.62%	3.58%	4.20	-1.30	-23.65%	3.45%
Guadalupe	0.52	0.27	0.37	0.39	0.22%	0.27	0.40	-0.14	-33.81%	0.23%	0.27	-0.13	-32.95%	0.22%
Hayward	24.00	17.56	18.60	20.06	11.30%	13.76	19.28	-5.52	-28.62%	11.90%	13.94	-5.34	-27.69%	11.45%
Hillsborough	4.09	3.60	3.63	3.78	2.13%	2.59	3.82	-1.23	-32.19%	2.24%	2.62	-1.20	-31.31%	2.16%
Menlo Park	4.24	3.43	3.49	3.72	2.09%	2.55	3.68	-1.13	-30.73%	2.21%	2.58	-1.10	-29.83%	2.12%
Mid Pen WD	3.89	3.26	3.31	3.49	1.97%	2.39	3.24	-0.84	-26.05%	2.07%	2.42	-0.81	-25.10%	1.99%
Millbrae	3.15	2.64	2.52	2.77	1.56%	1.90	2.45	-0.55	-22.44%	1.64%	1.93	-0.53	-21.44%	1.58%
Milpitas	9.23	6.80	6.80	7.61	4.29%	5.22	6.94	-1.71	-24.71%	4.52%	5.29	-1.65	-23.73%	4.34%
Mountain View	13.46	10.36	10.50	11.44	6.45%	7.85	10.48	-2.63	-25.08%	6.79%	7.95	-2.53	-24.10%	6.53%
North Coast	3.84	3.29	3.16	3.43	1.93%	2.35	3.24	-0.89	-27.39%	2.04%	2.39	-0.86	-26.45%	1.96%
Palo Alto	17.07	12.96	12.54	14.19	8.00%	9.74	12.68	-2.94	-23.21%	8.42%	9.87	-2.82	-22.22%	8.10%
Purissima Hills	1.85	1.85	2.19	1.96	1.10%	1.34	2.30	-0.95	-41.54%	1.16%	1.36	-0.94	-40.78%	1.12%
Redwood City	10.93	10.92	11.18	11.01	6.20%	7.55	10.98	-3.43	-31.22%	6.53%	7.65	-3.33	-30.33%	6.28%
San Bruno*	3.25	2.01	1.94	2.40	1.35%	1.64	1.86	-0.22	-11.57%	1.42%	1.67	-0.19	-10.43%	1.37%
Skyline	0.18	0.16	0.16	0.17	0.09%	0.11	0.16	-0.04	-26.43%	0.10%	0.12	-0.04	-25.48%	0.10%
Stanford	3.03	2.58	2.26	2.62	1.48%	1.80	2.30	-0.50	-21.90%	1.56%	1.82	-0.48	-20.89%	1.50%
Sunnyvale	12.58	10.73	9.75	11.02	6.21%	7.56	10.49	-2.93	-27.93%	6.54%	7.66	-2.83	-27.00%	6.29%
Westborough	1.32	0.98	1.12	1.14	0.64%	0.78	0.95	-0.17	-17.52%	0.68%	0.79	-0.16	-16.45%	0.65%
Subtotal	187.67	157.23	160.61	168.50		115.64	164.67	-49.04	-29.78%	100.00%	117.13	-47.54	-28.87%	
San José	2.68	4.10	4.62	3.80	2.14%	2.61	4.79	-2.18	-45.53%		2.61	-2.18	-45.53%	2.14%
Santa Clara	6.57	4.72	4.15	5.15	2.90%	3.53	3.48	0.05	1.53%		2.03	-1.45	-41.54%	1.67%
Total	196.92	166.06	169.38	177.45	100.00%	121.78	172.94	-51.17	-29.59%		121.78	-51.17	-29.6%	100.00%

\*Agency participating in Westside Basin Conjunctive use Study

Derivation of the Santa Clara/San José adjustment:

1. Largest permanent customer cutback: -41.54%
- 2a. Adjusted Santa Clara shortage allocation: 2.03 (Applying largest permanent customer cutback)
- 2b. Santa Clara adjustment: -1.50 (Difference between initial and adjusted alloc.)
- 3a. Adjusted San José shortage allocation: 2.80 (Applying largest permanent customer cutback)
- 3b. San José adjustment: 0.00 (Difference between initial and adjusted alloc.)
4. Total Adjustment: -1.50 (2b + 3b)

## Suburban Shortage Allocations

*Assumptions and Column Notes*

Avg. Shortage for the Suburban Purchasers = 29.6%  
 Water available to the Suburban Purchasers = 121.78 mgd

**Column notes:**

Allocation Basis. The Allocation Basis is used for calculating Allocation Factors and is the average of the following three components:

1. First Fixed Component: The greater of either the Supply Assurance values or the three-year average of SFPUC purchases for FYs 1996-97, 1997-98, and 1998-99, with certain exceptions.
  - a. Daly City's and Purissima Hill's values are based on their three-year averages, which is greater than their Supply Assurance values.
  - b. Hayward's and Estero's values are based on their 2010-11 projected purchases, as reported in the BAWUA 1997-98 Annual Survey.
  - c. San José's and Santa Clara's values are based on the water supply caps in their individual water supply contracts with the SFPUC.
2. Second Fixed Component: The average of SFPUC purchases for FYs 1996-97, 1997-98, and 1998-99.
3. Variable Component: The rolling three-year average, updated annually, beginning with FYs 1996-97, 1997-98, and 1998-99.
4. Average: The average of columns 1, 2, and 3.

Unadjusted Allocations. The initial shortage allocations in column 6 are adjusted for Santa Clara and San José in columns 10 through 13.

5. Allocation Factors: The ratio of each Suburban Purchaser's column 4 average to the column 4 total.
6. Initial Shortage Allocation: The product of each Suburban Purchaser's column 5 Allocation Factor times the column 6 total, which represents the assumed available water supply.
7. FY 2007-08 Purchases: The most recent year's purchases to which the Shortage Allocation can be compared to determine the effective cutback.
8. Purchase Cutback: Column 6 minus column 7, in mgd.
9. Purchase Cutback: The ratio of column 8 to column 7, in percent.

Allocations Adjusted for Santa Clara and San José. This adjustment is made so that Santa Clara's and San José's cutbacks are at least as great as the highest cutback by the permanent customers.

In this example, there is no adjustment required for San José because the formula results in an unadjusted cutback that is already greater than the highest cutback by a permanent customer.

10. Subtotal Allocation Factors: The ratio of each permanent Suburban Purchaser's column 4 average to the column 4 subtotal.
11. Adjusted Shortage Allocation: The product of each Suburban Purchaser's column 10 Subtotal Allocation Factor times the Column 11 subtotal.
  - a. The column 11 subtotal is the sum of the column 6 subtotal plus the Santa Clara adjustment.
  - b. The Santa Clara adjustment is the difference between its column 6 Initial Shortage Allocation and its Adjusted Shortage Allocation.
  - c. Santa Clara's Adjusted Shortage Allocation is the product of its column 4 average and the largest Purchase Cutback received by the permanent Suburban Purchasers.
12. Adjusted Purchase Cutback: Column 11 minus column 7, in mgd.
13. Adjusted Purchase Cutback: The ratio of column 12 to column 7, in percent.

# Interim Water Shortage Allocation Plan

1. Overview
2. Imbedded Objectives
3. “What if” analysis

# Interim Water Shortage Allocation Plan Responded to Agency Needs

- **Development of a shortage allocation plan was envisioned in the 1984 Master Contract**
- **Initial discussions with SFPUC began after the last drought**
  - Agencies wanted more certainty to plan and manage limited supplies
    - Default method in contract was not used
    - SFPUC used “inside/outside formula” based on prior year’s use
    - No written rules were in place
  - Agencies wanted to encourage (not penalize) conservation, recycling, developing alternative supplies, staying within Supply Assurances
- **Negotiations began and were completed in 2000**
  - SFPUC approved Tier I agreement October 24, 2000
  - BAWSCA agencies approved Tier I and II agreements by June 2001
    - Tier I divides available SF supply between SF retail and wholesale customers
    - Tier II divides wholesale portion between wholesale customers



# What Were the Objectives of the Plan?

- **An agreement that provides:**
  - Predictable allocations for planning purposes (UWMP's etc,)
  - Consistent, predetermined rules
  - Allows banking and transfers of unused drought allocations
  - Provides incentives to stay within allocations during shortages
  - Is easily understood and administered
  
- **Water allocations that:**
  - Provide sufficient to meet basic needs of customers and avoid adverse economic impacts
  - Recognize inherent differences in land use & climate and that communities are growing
  - Do not penalize ongoing conservation or use of other supplies
  - Encourage agencies to stay within contractual Supply Assurances and do not penalize them for using those contractual rights
  - Avoid reallocation of local supply investments to other agencies

# How is Water Allocated Between SF and the Wholesale Customers?

<b>System-Wide Shortage</b>	<b>SFPUC Share (%)</b>	<b>BAWUA Share (%)</b>
5%	35.5	64.5
10%	36	64
15%	37	63
20%	37.5	62.5

- The split changes as shortage worsens to reflect relative differences in land use and water use characteristics

# How is Water Allocated Between the Wholesale Customers?

- Formula provides sufficient water to meet basic needs of customers and avoid adverse economic impacts
- One-third fixed based on Supply Assurance
  - Allows agencies to use their contractual entitlement without penalty
- One-third fixed based 3-year average usage during base period FY 96-97 through FY 98-99
  - Avoids penalizes later investments in conservation, recycling and alternate supplies
- One-third variable based on 3-year rolling average usage just prior to the drought
  - Recognizes that community differences and growth
  - Minimizes rewarding inefficient use of water

# Who Are the Agencies With Greater Than Average Cutbacks and Why?

Scenario #1: 24.6% Average Wholesale Reduction  
From FY 2007/08 Purchases

<b>Agency Name</b>	<b>First Fixed Component</b>	<b>Second Fixed Component</b>	<b>Variable Component</b>	<b>FY 07/08 Purch.</b>	<b>Purchase Cutback</b>
Purissima Hills	1.85	1.85	2.19	2.30	-36.58% (-0.84mgd)
Cal Water	35.50	33.51	36.70	37.62	-30.27% (-11.39 mgd)
Coastside	2.18	1.35	1.90	2.07	-35.01% (-0.73 mgd)

# Current Situation

- SFPUC has requested 10% use reduction past 2 years
- Unclear what cutbacks will be needed in upcoming months
- IWSAP may need to be implemented
- Appropriate time to examine “What if” scenarios

# What Are the Possibilities?

## Scenarios Evaluated

- #1: 15% system-wide reduction  
24.6% Average Wholesale Reduction
- #2: 20% system-wide reduction  
29.6% Average Wholesale Reduction

Reductions are measured from FY 07/08 purchases

# Schedule

Date	Milestone
Nov 1	SFPUC provides list of annual purchases by agency for prior year
Jan 1-30	SFPUC presents probabilistic water supply forecast for coming year
Feb 1	SFPUC issues first estimate of supply, and announces if potential drought
Mar 1	SFPUC issues revised estimate of supply, and updates drought potential
April 1	Sierra snow survey completed
Apr 15-31	SFPUC updates supply forecast and, if appropriate makes formal declaration of drought with voluntary or mandatory rationing levels BAWSCA submits individual agency allocation percentages
Apr 25 – May 10	SFPUC determines individual agency annual drought allocations and monthly water budgets
May 8 – May 24	Agencies submit alternative monthly water budgets
Jun 1	SFPUC issues final drought allocations and monthly water budgets
Jul 1	Monthly water budgets become effective

## ***STAFF REPORT***

**To:** Coastside County Water District Board of Directors

**From:** David Dickson, General Manager

**Agenda:** February 10, 2009

Report

Date: February 5, 2009

**Subject:** Water Reclamation Goals, Conditions for CCWD Approval of SAM Request to Distribute Reclaimed Water Within CCWD Boundaries

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### **Recommendation:**

Discuss CCWD water reclamation goals and provide guidance to the Water Reclamation Committee in preparation for a meeting with the SAM Recycled Water Committee.

### **Background:**

The CCWD Board has taken the position that a partnership between Sewer Authority Mid-Coastside (SAM) as the recycled water producer and CCWD as the recycled water distributor would be the best way to realize the benefits of water reclamation for the community. Although achieving consensus among the five public agencies involved will take time, neither SAM nor CCWD can proceed with water recycling without the other. CCWD must obtain the water from SAM, and SAM cannot distribute recycled water without permission from CCWD.

On February 23, 2008, the CCWD Water Reclamation Committee will meet with the SAM Recycled Water Committee to initiate joint discussions on water reclamation. In preparation for that meeting, staff feels it would be helpful for the Board to provide guidance to the CCWD committee with regard to the District's water reclamation goals.

Recent SAM Board discussions suggest that SAM and its member agencies may wish to continue pursuing a project to supply reclaimed water to the golf course on their own. The CCWD Board may wish to discuss whether it would approve such a project by SAM and the conditions under which it would do so.

The attached outline suggests water reclamation goals as a basis for the Board's discussion, as well as proposed conditions on CCWD's approval for any SAM project to distribute reclaimed water within CCWD boundaries.



## SUGGESTED CCWD RECLAMATION GOALS, CONDITIONS FOR APPROVAL OF SAM PROJECT TO DISTRIBUTE RECLAIMED WATER WITHIN CCWD BOUNDARIES

- CCWD believes that water reclamation will provide benefits to the environment and to all coastside residents. CCWD's community-serving goals include:
  - Supporting the water needs of residential, public, and business users
  - Improving the drought tolerance of our water supply by diversifying our supply portfolio
  - Conserving, sustaining, and renewing local and regional water resources
  - Working to reduce environmental impacts of our activities
- The District seeks a partnership with SAM and its member agencies for water reclamation as the best way to realize these benefits.
- CCWD will provide financial support for projects meeting CCWD's objective of ensuring a reliable, drought-proof water supply for CCWD's customers.
- Under the requirements of the California Water Code, SAM will need CCWD permission in order to supply reclaimed water to any customer within CCWD's service boundaries, including the golf course. CCWD will grant SAM permission to distribute recycled water to a customer within its boundaries provided that:
  - SAM and its member agencies agree to produce and supply reclaimed water for distribution by CCWD to other CCWD customers, at a price not to exceed production cost (including capital recovery) plus reasonable overhead and administrative costs.
  - SAM and its member agencies agree not to seek or impose permit conditions which would limit SAM's production of or CCWD's distribution of recycled water customers other than those served by the SAM project.
  - Permit conditions and contractual commitments for the proposed SAM recycling project are consistent with CCWD's community-serving goals.

## ***STAFF REPORT***

**To:** Coastside County Water District Board of Directors

**From:** David Dickson, General Manager

**Agenda:** February 10, 2009

Report

Date: February 6, 2009

**Subject:** General Manager's Report

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### **Recommendation:**

None. Information only.

### **Background:**

I'd like to highlight the following:

1. **Financing the District Strategic Planning Workshop:** Scheduled for February 26, 2009, 2:00 pm at CCWD.
2. **District Organization Strategic Planning Workshop:** Staff proposes scheduling this workshop in May 2009.

## *Monthly Report*

**To:** David Dickson, General Manager  
**From:** Cathleen Brennan, Water Resources Analyst  
**Agenda:** February 10, 2009  
**Subject:** Water Resources Report

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This report is provided as an update on water conservation, outreach, and water resources activities.

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### □ High Efficiency Washer Rebates

Coastside County Water District is currently participating in a Regional High Efficiency Clothes Washer Rebate Program with PG&E. The rebate amounts are up to \$125 or \$200 depending on the efficiency rating of the clothes washer. The regional rebate program is supplemented with grant money from the State of California. The grant contribution is \$50 per rebate with PG&E and regional water agencies contributing the remaining \$75 to \$150 per rebate.



The California Department of Water Resources and the California Department of Finance have announced they are freezing all payments of claims financed by General Obligation Bonds due to the budget crisis. The result is that the \$50 per rebate from the grant will no longer be available to the Regional High Efficiency Washer Rebate Program. The freeze will remain in effect until the budget crisis is resolved.

The District has communicated with the Regional High Efficiency Clothes Washer Rebate Program that it is our intent to continue with the rebates at their current amount. It is not known how many rebates will be impacted, but the worst-case scenario is that none of the rebates this fiscal year will be supplemented with the grant money. To date, we would have to pay an additional \$5,000 toward rebates.

### □ Summary of Meetings

Employee Meeting - 1/21/2009

Springbrook Software- Utility Billing and Mandatory Rationing - 1/23/2009

BAWSCA - Rebate Conference Call - 1/26/2009

Strategic Planning Workshop - Infrastructure - 1/26/2009

# Monthly Report

**To:** David Dickson, General Manager  
**From:** Cathleen Brennan, Water Resources Analyst  
**Agenda:** February 10, 2009  
**Subject:** Water Shortage and Drought Contingency Plan

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This report is provided as an update on the implementation of the Water Shortage and Drought Contingency Plan – Stage 1 (Advisory Stage). The Advisory Stage was implemented in June of 2007. In June of 2008, Governor Schwarzenegger declared a state wide drought.

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## √ Local Precipitation

Water year 2007 was considered critically dry and was at 67% of historic average. Water year 2008 was slightly better at 72% of the historic average. Water year 2009 is below average to date for local precipitation. **Water Year 2009 is about 46% of historic average to date, with two months of the rainy season remaining.**

Precipitation for Half Moon Bay													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Totals
<b>Historic Average</b>	1.3	3.4	3.7	5.5	4.8	3.9	1.6	0.6	0.2	0.0	0.1	0.3	25.4
	2008			2009									
<b>Water Year 2009</b>	0.48	2.39	2.63	0.93									6.43
	2007			2008									
<b>Water Year 2008</b>	1.83	0.93	3.16	8.75	2.73	.31	.16	.07	.04	0.1	.12	.05	18.25
	2006			2007									
<b>Water Year 2007</b>	.19	3.18	4.24	.72	5.31	0.81	1.62	.41	.07	.25	.03	.19	17.02

## √ Hetch Hetchy System Conditions

The following is a quote from Bruce McGurk of SFPUC dated 2/2/2009:

*"The report for January indicates that while it has been very dry statewide, the Tuolumne has gotten more precipitation than just about everywhere else. While not all snow courses are in, the Tuolumne currently has the best snowpack in the state. However, the snowpack is still significantly below normal and conditions in the Local Area are quite dry and have been quite warm. Precipitation is due this week, but so far the amounts are not large. The forecast is for cooler than normal for the next week or two".*

√

### **Mandatory Rationing**

Staff is working on the following items:

- Drought Ordinance
- Springbrook Software Modifications for Billing
- Rates, Penalties, and Surcharges

## ***MONTHLY REPORT***

**To:** David Dickson, General Manager  
**From:** Joe Guistino, Superintendent of Operations  
**Agenda:** February 10, 2009

**Report**  
**Date:** February 3, 2009

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### **Monthly Highlights**

#### Canada Cove

Canada Cove is pursuing the engineering needed to correctly size a fire flow meter to be installed on their inlet. We have added check valves just past our meter as an interim measure.

#### Student Tour

Steve Twitchell, Sean Donovan, Don Patterson and myself conducted a tour of Nunes WTP for 33 1<sup>st</sup> and 2<sup>nd</sup> graders from Seacrest school on Tuesday, 13 January.

#### Top Ops

Treatment Supervisor Steve Twitchell and Senior Operator Sean Donovan have entered the 2009 Top Ops Competition at the Cal/Nev Section AWWA Spring Conference in Santa Clara. They have recruited an operator from the Montara Water and Sanitary District to join their team. They will be called the Water Dawgs.

#### Denniston Storage Tank Modification Project

Denniston Tank was taken off line for draining on Wednesday, 14 January. Tank modifications are complete. The painting contractor is presently preparing the tanks for coatings. Once coated, the tank will be reconnected with the new external plumbing. This project will be complete in February.

### **Source of Supply**

Crystal Springs Reservoir and Pilarcitos Wells 4A and 5 were the main source of supply in December.

### **Systems Improvement**

#### Alarm System

Improvements were made on the Nunes alarm panel to increase it's reliability from failure. Also installed an audible alarm at the Nunes WTP.

### Denniston Return Wash Water System

This system was tested this month and it promises to work well.

### Server Station Improvement

District crews installed a fan and a circulation system for the District's mainframe and server.

### **Update on Other Activities:**

#### .New Temp Worker

The new temp worker, Dustin Jahn, started on Monday, 13 January.

### Meter Change-Out Program

Crews replaced the meter heads on all of our well meters.

### Canada Cove

Since Canada Cove is still on the storage tank part of the time, I dispatched a letter to them on Tuesday, 20 January to have check valves installed on both of their meters by 4 February. District Engineer and myself met with Leroy Daniels on Thursday, 29 January, to discuss further options for safe and sustainable domestic and fire water supply to Canada Cove. They are to have a qualified engineer size the right size Fire Service Meter and to have it approved by us. If the bypass on the Fire Service meter is greater than their present 1" and 2" connections, they must purchase additional capacity. Once we approve the fire service meter, we must draft a water service agreement that states that they will not expand beyond their present capacity.

### Evergreen Nursery

The present District line extending to Evergreen Nursery, Blue Sky, Spanishtown etc. is located on the parcel purchased by the City of HMB from POST. There was a temporary easement granted for that line but it has since expired. I petitioned the City to grant us a permanent easement but they found that they cannot grant any easements since POST may repossess the land. We are awaiting a response from POST.

### Student Tour

Steve Twitchell, Sean Donovan, Don Patterson and myself conducted a tour of Nunes WTP for 33 1<sup>st</sup> and 2<sup>nd</sup> graders from Seacrest school on Tuesday, 13 January.

### Pilarcitos Wells

Lack of sufficient water in Pilarcitos Creek prompted us to shut off the Pilarcitos Canyon Wells on Monday, 12 January.

### Top Ops

Treatment Supervisor Steve Twitchell and Senior Operator Sean Donovan have entered the 2009 Top Ops Competition at the Cal/Nev Section AWWA Spring Conference in Santa Clara. They have recruited an operator from the Montara Water and Sanitary District to join their team. They will be called the Water Dawgs.

### Cathodic Protection Test Stations

The crews found and marked all of the cathodic protection test stations associated with the Crystal Springs pipelines. Corpro, a firm that specializes in testing cathodic protection systems, came out on the week of the 5<sup>th</sup> to check the status of these stations and the pipelines.

### **Safety/Training/Inspections/Meetings**

#### Meetings Attended

30 December - Jim Teter to discuss Pacific Ridge, STI, south of town pipeline and Canada Cove.

14 January - Joe Camicia of SM County Planning to visit the Pilarcitos culvert repair site.

15 January - Kennedy Jenks on the Pilarcitos/Crystal Springs blending station and alternative treatment at Denniston.

15 January - Facilities Committee

20 January - National Meter and Automation Inc gave a demonstration as to how to read the AMR profiles with a laptop and special software in lieu of purchasing a RADIX.

21 January - Quarterly lunch with Dave Lea to discuss operational issues common to both of us.

21 January - All employee meeting.

27 January - Met with Barry Thompson at Pilarcitos Canyon to get his ideas and a proposal for a stream flow diversion plan for the Pilarcitos Canyon Culvert Replacement Project.

29 January - Met with Leroy Daniels and Jim Teter on the Canada Cove action plan.

#### Safety Committee and Training

The Safety Committee met on 14 January to discuss confined spaces.

### **Department of Public Health**

DPH turned down our request for reduced aluminum monitoring at Nunes.

### **Projects**

#### Tank Recoating Projects

We have completed the RFP for the tank lining and recoating projects. We will be starting with Miramar and Half Moon Bay Tank #1. Once the technical specifications for the ladder retrofit are complete, we will be taking these out to bid. Bid documents should be sent out in February.

#### Short Term Improvement Project

Met with Jim Teter on 29 January as to progress. At this time there may not be enough funding to complete both Denniston and Nunes and so we may defer the Denniston phase until it becomes more clear as to how successful we are with



dredging this summer. Teter is working with Tom Frisch and expects to be able to go out to bid in March.

#### Denniston Storage Tank Modification Project

Denniston Tank was taken off line for draining on Wednesday, 14 January. Tank modifications are complete. The painting contractor is presently preparing the tanks for coatings. Once coated, the tank will be reconnected with the new external plumbing. This project will be complete in February.

#### Nunes Filter Media Replacement

Treatment staff met with the contractor on Monday, 12 January, to discuss scheduling and procedures. The contractor was unclear on some procedures. I wrote them a letter on 15 January requesting an operations plan and other specific details of the project. They have responded verbally and will submit a written response this week. At this time we are reviewing media submittals and testing.

#### Nunes UST Removal and AGST Installation Project

This project was delayed in January pending the Fire District inspection and approval of the tank placement. The tank has been inspected and approved and the AGST should be connected to the generator, all fuel transferred from the UST to the AGST and the system tested this week. The UST should be removed by the end of February.

#### Denniston Rehabilitation

SM County planning has completed the Negative Declaration for the dredging and tule removal as routine maintenance activities for the Denniston Reservoir. They will distribute the document as per the CEQA process on the first week of February. The Department of Fish and Game has given us a 1600 application to sign for the Tule Removal aspect and are expected to fall in place with the dredging as part of the CEQA process. We are very confident that we will be allowed to dredge later this summer.

#### AMR Retrofit

All but three AMRs have been installed on the meters of our largest users. We will also be installing a profiler on select meters at Nurserymen's Exchange.

#### South of Town Pipeline

The design of the pipeline is complete. Of the alternatives mentioned, the only permanent solution is replacement of the entire line. We will start on the permitting process this year. The estimated cost is expected to be around \$1.4 million.