COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

SPECIAL CLOSED SESSION

Tuesday – November 13, 2007 – 6:30 p.m.

AGENDA

1) CLOSED SESSION

A. Public Employee Performance Evaluation
Pursuant to Government Code Section 54957
Title: General Manager (Discussion of Performance Review Criteria)

2) RECONVENE TO OPEN SESSION

Public report of closed session action.

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MEETING OF THE BOARD OF DIRECTORS

Tuesday, November 13, 2007 – 7:00 p.m.

AGENDA

The Coastside County Water District does not discriminate against persons with disabilities. Upon request, the agenda and agenda packet 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.

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 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 October 31, 2007 – Claims: $515,198.51; Payroll: $60,249.87 for a total of $575,448.38 (attachment)
B. Acceptance of Financial Reports (attachment)
C. Minutes of the October 9, 2007 Board of Directors Meeting (attachment)
D. Acceptance of Water Supply Evaluation Report for Calendar Year 2006 (attachment)
E. Approval of purchase of a loader/scraper tractor (attachment)
F. Approval to proceed to solicit bids for the Nunes Water Treatment Plant Filter Media Replacement Project (attachment)

5) GENERAL BUSINESS

A. Presentation and discussion and direction to staff regarding services provided by IEDA for labor relations representation and provision for salary survey data (attachment)
B. Authorization to staff to solicit bids for the Granada Tank # 1 Site Modification Project (attachment)
C. Adoption of Resolution No. 2007-20 Appointing David Dickson as Secretary and Assigning Duties of Treasurer (attachment)
D. Approval of contract with Eco Logic for implementation of computerized maintenance management (attachment)
E. Approval of contract with JM Turner Engineering for structural design services for the Nunes Water Treatment Plant – Phase 1 Improvements (attachment)
F. Discussion and direction to staff regarding award of contract for the El Granada Pipeline Replacement Project (attachment)

6) MONTHLY INFORMATIONAL REPORTS

A. Monthly Water Transfer Report (attachment)
B. Installed Water Connection Capacity and Water Meters Report (attachment)
C. Total CCWD Production Report (attachment)
D. CCWD Monthly Sales by Category Report (attachment)

E. October 2007 Leak Report (attachment)
F. Rainfall Reports (attachment)
G. San Francisco Public Utilities Commission Hydrological Conditions Report for October 2007 (attachment)
H. Monthly Water Resources Report (attachment)
I. Water Shortage & Drought Contingency Plan Update Report (attachment)
J. Operations Report/ American Water Works Association Conference Report (attachment)
K. Engineering Projects Received for Review during October 2007 (attachment)
L. District Engineer Work Status Report (attachment)
M. Advisory Committee Reports
1. Water Resources Committee
- Pilarcitos Public Workshop - Integrated Watershed Management Plan - October 27, 2007 (attachment)
- Pilarcitos Workgroup Meeting – November 5, 2007 (attachment)

2. Water Quality Compliance Committee – November 1, 2007 (attachment)

7) AGENDA ITEMS / DIRECTOR COMMENTS / MEETINGS ATTENDED

8) ADJOURNMENT

Check Number	Vendor No	Vendor Name		Check Date	Void Amount	Check Amount
10153	ASC01	EVERETT ASCHER		10/01/2007	0.00	402.46
10154	PUB01	PUB. EMP. RETIRE SYSTEM		10/01/2007	0.00	64,680.37
10155	UNI 01	UNITED STATES POSTAL SVC.		10/01/2007	0.00	1,362.60
10156	ALL04	ALLIED WASTE SERVICES #925		10/05/2007	0.00	205.65
10157	ALV01	ALVES PETROLEUM, INC.		10/05/2007	0.00	1,378.82
10158	ATT01	AT&T MOBILTY		10/05/2007	0.00	508.29
10159	BIS01	BISHOP, CAREY, McDONALD		10/05/2007	0.00	2,000.00
10160	COA 15	COASTSIDE NET, INC		10/05/2007	0.00	59.95
10161	FIR06	FIRST NATIONAL BANK		10/05/2007	0.00	1,966.08
10162	GRA05	GRANITEROCK		10/05/2007	0.00	427.78
10163	HAR03	HARTFORD LIFE INSURANCE CO.		10/05/2007	0.00	1,823.00
10164	PAC02	PACIFICA CREDIT UNION		10/05/2007	0.00	637.00
10165	PUB01	PUB. EMP. RETIRE SYSTEM		10/05/2007	0.00	13,356.86
10166	VAL01	VALIC		10/05/2007	0.00	1,495.00
10167	COU 05	RECORDER'S OFFICE		10/11/2007	0.00	10.00
10168	COU 05	RECORDER'S OFFICE		10/11/2007	0.00	16.00
10169	ASS01	ACWA SERVICES CORPORATION		10/19/2007	0.00	14,165.78
10170	DEP01	DEPARTMENT OF FISH & GAME STATE OF CALIF		10/19/2007	0.00	1,200.00
10171	FEL01	ROBERT FELDMAN		10/19/2007	0.00	93.55
10172	GLO01	GLOBAL MACHINERY		10/19/2007	0.00	43,506.76
10173	HAR03	HARTFORD LIFE INSURANCE CO.		10/19/2007	0.00	1,873.00
10174	KAI01	KAISER FOUNDATION HEALTH		10/19/2007	0.00	8,353.00
10175	LAN04	RICOH AMERICAS CORPORATION		10/19/2007	0.00	614.97
10176	PAC02	PACIFICA CREDIT UNION		10/19/2007	0.00	637.00
10177	UB*00405	MONIQUE CARLISLE	**VOID**	10/19/2007	75.00	0.00
10178	VAL01	VALIC		10/19/2007	0.00	1,495.00
10179	COU 05	RECORDER'S OFFICE		10/23/2007	0.00	10.00
10180	ADP01	ADP, INC.		10/25/2007	0.00	401.75
10181	ADV01	ADVANCED AUTOMATIC GATES		10/25/2007	0.00	478.55
10182	AIR01	AIR & TOOL ENGINEERING CO.		10/25/2007	0.00	2,782.03
10183	AME09	AMERICAN WATER WORKS ASSOC.		10/25/2007	0.00	107.50
10184	AND01	ANDREINI BROS. INC.		10/25/2007	0.00	17,608.87
10185	ASS08	ASSOC. CALIF. WATER AGENCY		10/25/2007	0.00	8,106.00
10186	ATC01	ATCHISON, BARISONE		10/25/2007	0.00	8,628.24
10187	AVE01	AVERY ASSOCIATES		10/25/2007	0.00	10,417.91
10188	AZT01	AZTEC GARDENS		10/25/2007	0.00	190.00
10189	BAS01	BASIC CHEMICAL SOLUTION, LLC		10/25/2007	0.00	3,947.50
10190	BAY07	BAY AREA WATER SUPPLY &		10/25/2007	0.00	693.75
10191	BAY10	BAY ALARM COMPANY		10/25/2007	0.00	1,750.00
10192	BES02	BEST ACCESS SYSTEMS, INC		10/25/2007	0.00	293.17
10193	CAL07	CALIFORNIA TANK LINES, INC.		10/25/2007	0.00	527.36
10194	CAL08	CALCON SYSTEMS, INC.		10/25/2007	0.00	10,511.15
10195	CAL15	CALIFORNIA URBAN WATER		10/25/2007	0.00	333.90
10196	CAL20	CALIFORNIA UTILITIES		10/25/2007	0.00	500.00
10197	CAL31	CALIFORNIA OVERNIGHT		10/25/2007	0.00	349.31
10198	CAL33	CALIFORNIA SPECIAL DISTRICT		10/25/2007	0.00	253.00
10199	CAR02	CAROLYN'S CLEANING SERVICE		10/25/2007	0.00	425.00
10200	CIN01	CINTAS FIRST AID & SAFETY		10/25/2007	0.00	105.75
10201	COA 14	COASTSIDE CARPET CLEANERS		10/25/2007	0.00	485.76
10202	COA19	COASTSIDE COUNTY WATER DIST.		10/25/2007	0.00	168.83
10203	DAT01	DATAPROSE		10/25/2007	0.00	1,501.19
10204	DEP 07	DEPARTMENT OF PUBLIC HEALTH		10/25/2007	0.00	5,892.75
10205	DEP03	DEPARTMENT OF JUSTICE		10/25/2007	0.00	56.00
10206	EIP 01	EIP ASSOCIATES, INC.		10/25/2007	0.00	1,881.26
10207	FAR01	FARALLON GEOGRAPHICS, INC		10/25/2007	0.00	2,706.25
10208	GRA 03	GRAINGER, INC.		10/25/2007	0.00	430.25
10209	GRA07	THE GRAPHIC WORKS		10/25/2007	0.00	574.96
10210	GRI01	CRAIG GRIFFIN		10/25/2007	0.00	850.00
10211	HAC01	HACH CO., INC.		10/25/2007	0.00	415.17
10212	HAL 01	HMB BLDG. & GARDEN INC.		10/25/2007	0.00	5.61
10213	HAL04	HALF MOON BAY REVIEW		10/25/2007	0.00	34.00
10214	HAL24	H.M.B.AUTO PARTS		10/25/2007	0.00	102.47

Check Number	Vendor No	Vendor Name	Check Date	Void Amount	Check Amount
10215	HAL25	HMB GRADING & PAVING INC.	10/25/2007	0.00	13,782.66
10216	HEA01	HEALTHWORKS	10/25/2007	0.00	48.00
10217	IRO01	IRON MOUNTAIN	10/25/2007	0.00	201.69
10218	IRV01	IRVINE, DAVID E.	10/25/2007	0.00	2,430.00
10219	IRV02	IRVINE, DAVID E.	10/25/2007	0.00	286.12
10220	JMT01	JM TURNER ENGINEERING, INC	10/25/2007	0.00	14,025.00
10221	LAN04	RICOH AMERICAS CORPORATION	10/25/2007	0.00	784.35
10222	LUN01	CRAIG LUNOW	10/25/2007	0.00	167.51
10223	MAZ01	MAZE & ASSOCIATES, INC.	10/25/2007	0.00	6,000.00
10224	MCT01	MCTV6	10/25/2007	0.00	375.00
10225	MET06	METLIFE SBC	10/25/2007	0.00	1,023.00
10226	MIS01	MISSION UNIFORM SERVICES INC.	10/25/2007	0.00	755.04
10227	OCE04	OCEAN SHORE CO.	10/25/2007	0.00	980.72
10228	OFF01	OFFICE DEPOT	10/25/2007	0.00	546.36
10229	PAC 01	PACIFIC GAS & ELECTRIC CO.	10/25/2007	0.00	47,630.28
10230	PAR 01	JOHN M. PARSONS	10/25/2007	0.00	6,500.00
10231	PAU 01	PAULO'S AUTO CARE	10/25/2007	0.00	87.96
10232	PUB01	PUB. EMP. RETIRE SYSTEM	10/25/2007	0.00	14,765.53
10233	RAD 01	STRAWFLOWER ELECTRONICS	10/25/2007	0.00	10.00
10234	RED01	RED WING SHOES	10/25/2007	0.00	140.00
10235	ROB 01	ROBERTS & BRUNE CO.	10/25/2007	0.00	7,084.64
10236	ROG01	ROGUE WEB WORKS, LLC	10/25/2007	0.00	262.50
10237	SAN 02	BAY AREA WATER SUPPLY &	10/25/2007	0.00	4,689.00
10238	SAN 03	SAN FRANCISCO WATER DEPT.	10/25/2007	0.00	118,886.20
10239	SAN 07	SAN MATEO COUNTY	10/25/2007	0.00	1,578.00
10240	SAN10	SAN MATEO COUNTY	10/25/2007	0.00	3,930.00
10241	SBC02	AT&T	10/25/2007	0.00	1,036.99
10242	SBC03	AT&T LONG DISTANCE	10/25/2007	0.00	34.21
10243	SER03	SERVICE PRESS	10/25/2007	0.00	113.59
10244	SHE02	SHERMAN & FELLER	10/25/2007	0.00	132.00
10245	SIE 02	SIERRA CHEMICAL CO.	10/25/2007	0.00	1,583.99
10246	STA 03	CA DHS DRINKING WATER PROGRAM	10/25/2007	0.00	105.00
10247	STA11	STATE WATER RESOURCES CONTL BD	10/25/2007	0.00	284.90
10248	STE02	JIM STEELE	10/25/2007	0.00	1,500.00
10249	TAI02	TAIT ENVIRONMENTAL SYSTEMS	10/25/2007	0.00	200.00
10250	TET 01	JAMES TETER	10/25/2007	0.00	16,453.74
10251	TWI01	STEVE TWITCHELL	10/25/2007	0.00	504.79
10252	UB*00406	PHILIP & LYNN MC VEY	10/25/2007	0.00	61.11
10253	UB*00407	SALVADOR/AMANDA NEGRETE	10/25/2007	0.00	253.89
10254	UB*00408	MICHAEL JENSEN	10/25/2007	0.00	28.54
10255	UB*00409	LILLIAN BARROWS	10/25/2007	0.00	40.17
10256	UB*00410	JAMES GARTRELL	10/25/2007	0.00	20.64
10257	UB*00411	ARVIND TANDEL	10/25/2007	0.00	22.05
10258	UB*00412	DAN DOLINAR	10/25/2007	0.00	75.99
10259	UPS01	UPS STORE	10/25/2007	0.00	58.19
			Report Total:	**75.00**	**515,273.51**

General Ledger
Period Budget Analysis

Coastside County Water District
October 2007

Account	Description	Oct 2007	Budget	Variance Over/(Under) Budget	% Variance Over/(Under) Budget	YTD Actual	YTD Budget	Variance Over/(Under) Budget	% Variance Over/(Under) Budget
REVENUE									
4120-00	Water Revenue - All Areas	371,516.01	424,168.00	(52,651.99)	(12.41)	2,040,972.78	2,218,453.00	(177,480.22)	(8.00)
4170-00	Water Taken From Hydrants	4,617.90	2,083.33	2,534.57	121.66	14,282.50	8,333.32	5,949.18	71.39
4180-00	Late Notice - 10% Penalty	3,994.73	5,000.00	(1,005.27)	(20.11)	17,482.56	20,000.00	(2,517.44)	(12.59)
4230-00	Service Connections	894.63	500.00	394.63	78.93	2,275.90	2,000.00	275.90	13.80
4920-00	Interest Earned	38,422.18	22,798.00	15,624.18	68.53	74,725.94	45,596.00	29,129.94	63.89
4925-00	Interest Revenue T&S Fees	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4927-00	Interest Revenue Bond Funds	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4930-00	Tax Apportionments/Cnty Checks	291.93	500.00	(208.07)	(41.61)	22,775.68	17,500.00	5,275.68	30.15
4950-00	Miscellaenous Income	4,030.50	6,000.00	(1,969.50)	(32.83)	28,974.72	24,000.00	4,974.72	20.73
4960-00	CSP Assm. Dist. Processing Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4965-00	ERAF Refund - County Taxes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4235-00	CSP Connection T & S Fees	10,455.00	0.00	10,455.00	0.00	20,910.00	0.00	20,910.00	0.00
4970-00	Wavecrest Reserve Conn. Fees	3,345.60	0.00	3,345.60	0.00	13,382.40	0.00	13,382.40	0.00
REVENUE Totals		**437,568.48**	**461,049.33**	**(23,480.85)**	**(5.09)**	**2,235,782.48**	**2,335,882.32**	**(100,099.84)**	**(4.29)**
				Over/(Under) Budget	Over/(Under) Budget			Over/(Under) Budget	Over/(Under) Budget
EXPENSES									
5000-00	Gen. Oper. Fund	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5130-00	Water Purchased	118,886.20	113,541.00	5,345.20	4.71	454,596.70	550,810.00	(96,213.30)	(17.47)
5710-00	Deprec, Trucks, Tools, Equip	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5230-00	Pump Exp, Nunes T P	1,524.29	1,026.00	498.29	48.57	4,455.36	5,236.00	(780.64)	(14.91)
5231-00	Pump Exp, CSP Pump Station	37,047.71	33,434.00	3,613.71	10.81	119,629.73	170,863.00	(51,233.27)	(29.98)
5232-00	Pump Exp, Trans. & Dist.	2,236.08	2,034.00	202.08	9.94	6,720.75	10,218.00	(3,497.25)	(34.23)
5233-00	Pump Exp, Pilarcitos Can.	494.90	0.00	494.90	0.00	7,494.53	0.00	7,494.53	0.00
5234-00	Pump Exp. Denniston Proj.	5,838.21	5,490.00	348.21	6.34	17,628.59	25,780.00	(8,151.41)	(31.62)
5242-00	CSP Pump Station Operations	597.46	1,386.00	(788.54)	(56.89)	1,966.38	7,084.00	(5,117.62)	(72.24)
5235-00	Denniston T.P. Operations	2,023.56	6,246.00	(4,222.44)	(67.60)	17,110.10	29,332.00	(12,221.90)	(41.67)
5236-00	Denniston T.P. Maintenance	1,254.83	2,750.00	(1,495.17)	(54.37)	6,088.17	11,000.00	(4,911.83)	(44.65)
5240-00	Nunes T P Operations	4,525.39	8,961.00	(4,435.61)	(49.50)	31,064.79	45,884.00	(14,819.21)	(32.30)
5241-00	Nunes T P Maintenance	3,889.67	4,033.00	(143.33)	(3.55)	6,346.50	16,132.00	(9,785.50)	(60.66)
5243-00	CSP Pump Station Maintenance	0.00	5,100.00	(5,100.00)	(100.00)	700.00	20,400.00	(19,700.00)	(96.57)
5245-00	Alves/Miramontes Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5400-00	Trans & Dist. Exp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5318-00	Studies/Surveys/Consulting	10,417.91	2,222.22	8,195.69	368.81	13,834.11	12,672.22	1,161.89	9.17
5321-00	Water Conservation	1,027.65	4,458.33	(3,430.68)	(76.95)	6,420.05	17,833.32	(11,413.27)	(64.00)
5322-00	Community Outreach	3,081.25	2,022.50	1,058.75	52.35	4,071.25	8,090.00	(4,018.75)	(49.68)
5500-00	General Expense	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5620-00	Office Supplies & Expense	6,268.54	9,279.16	(3,010.62)	(32.44)	29,884.82	37,116.64	(7,231.82)	(52.95)
5621-00	Computer Services	3,215.89	2,364.16	851.73	36.03	13,704.25	13,656.64	47.61	0.51

General Ledger
Period Budget Analysis

October 2007

Account	Description	Oct 2007	Budget	Variance Over/(Under) Budget	% Variance Over/(Under) Budget	YTD Actual	YTD Budget	Variance Over/(Under) Budget	% Variance Over/(Under) Budget
5625-00	Meetings / Training / Seminars	2,184.85	2,333.33	(148.48)	(6.36)	6,512.37	9,333.32	(2,820.95)	(1.72)
5630-00	Insurance	35,299.01	49,094.41	(13,795.40)	(28.10)	163,401.90	163,877.64	(475.74)	(2.50)
5681-00	Legal	7,181.24	4,750.00	2,431.24	51.18	21,588.32	19,000.00	2,588.32	13.62
5682-00	Engineering	954.00	2,500.00	(1,546.00)	(61.84)	2,862.00	10,000.00	(7,138.00)	(71.38)
5683-00	Financial Services	12,500.00	2,941.66	9,558.34	324.93	12,750.00	11,766.64	983.36	8.36
5685-00	Board Meeting Expense	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5686-00	Miscellaneous Expense	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5687-00	Membership, Dues, Subscript.	5,783.50	4,080.41	1,703.09	41.74	11,930.00	16,321.64	(4,391.64)	(26.91)
5688-00	Election Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5690-00	Interest Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5700-00	San Mateo County Fees	5,508.00	1,500.00	4,008.00	267.20	6,293.36	2,700.00	3,593.36	133.09
5701-00	Property Taxes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5705-00	State Fees	6,177.65	0.00	6,177.65	0.00	6,177.65	30,000.00	(23,822.35)	(79.41)
5711-00	Debt Service/Existing Bonds 1998A	0.00	0.00	0.00	0.00	235,350.61	235,485.00	(134.39)	(0.06)
5712-00	Debt Service/Existing Bonds 2006B	0.00	0.00	0.00	0.00	322,568.62	322,974.00	(405.38)	(0.13)
5713-00	Contribution to CIP & Reserves	34,310.75	34,310.75	0.00	0.00	137,243.00	137,243.00	0.00	0.00
5714-00	Transfer of Conn Fees to CSP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5725-00	Debt Issuance Amortization Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5743-00	CSP Assm. Dist. Processing Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5744-00	Capital Replacement Contri.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5411-00	Salaries & Wages - Field	60,223.54	62,134.52	(1,910.98)	(3.08)	264,484.51	248,538.14	15,946.37	6.42
5610-00	Salaries/Wages - Administration	34,925.86	43,630.84	(8,704.98)	(19.95)	155,279.00	174,523.36	(19,244.36)	(11.03)
5640-00	Employees Retirement Plan	27,275.72	27,298.00	(22.28)	(0.08)	102,281.60	109,192.00	(6,910.40)	(6.33)
5684-00	Payroll Tax Expense	6,948.89	7,660.46	(711.57)	(9.29)	31,783.03	30,641.84	1,141.19	3.72
5412-00	Maintenance - General	22,784.38	12,048.00	10,736.38	89.11	52,529.30	48,192.00	4,337.30	9.00
5414-00	Motor Vehicle Expense	2,606.29	4,208.33	(1,602.04)	(38.07)	11,232.25	16,833.32	(5,601.07)	(33.27)
5415-00	Maintenance - Well Fields	0.00	1,376.00	(1,376.00)	(100.00)	350.92	5,504.00	(5,153.08)	(93.62)
5745-00	CSP Connect. Reserve Contribu.	10,455.00	0.00	10,455.00	0.00	20,910.00	0.00	20,910.00	0.00
5746-00	Wavecrest CSP Connt. Reserve	3,345.60	0.00	3,345.60	0.00	13,382.40	0.00	13,382.40	0.00
EXPENSE Total		**480,793.82**	**464,214.08**	**16,579.74**	**3.57**	**2,320,626.92**	**2,574,233.72**	**(253,606.80)**	**(9.85)**
REVENUE Total		**437,568.48**	**461,049.33**	**(23,480.85)**	**(5.09)**	**2,235,782.48**	**2,335,882.32**	**(100,099.84)**	**(4.29)**
EXPENSE Total		**480,793.82**	**464,214.08**	**16,579.74**	**3.57**	**2,320,626.92**	**2,574,233.72**	**(253,606.80)**	**(9.85)**
INCOME Total		**(43,225.34)**	**(3,164.75)**			**(84,844.44)**	**(238,351.40)**		

COASTSIDE COUNTY WATER DISTRICT
INVESTMENT REPORT
October 31, 2007

		Restricted	*Restricted*	*Restricted for CSP CIP Projects*		
	CASH FLOW & OPERATING RESERVE	**EMERGENCY RESERVES**	**CAPITAL EXPENDITURES**	**DISTRICT CSP CONTRIBUTION**	**CSP T&S FEES**	**TOTAL**
DISTRICT BALANCES						
CASH IN FNB						
OPERATING ACCOUNT			$336,374.62			$336,374.62
CSP T&S ACCOUNT					$992,841.64	$992,841.64
TOTAL FIRST NATIONAL BANK	$0.00	$0.00	$336,374.62	$0.00	$992,841.64	$1,329,216.26
CASH WITH L.A.I.F	$297,900.00	$700,000.00	$1,697,585.03	$267,655.14	$2,878,643.96	$5,841,784.13
UNION BANK - Project Fund Balance			$4,926,584.11			$4,926,584.11
						$0.00
CASH ON HAND	$2,130.00					$2,130.00
TOTAL DISTRICT CASH BALANCES	$300,030.00	$700,000.00	$6,960,543.76	$267,655.14	$3,871,485.60	$12,099,714.50
ASSESSMENT DISTRICT BALANCES						
CASH IN FIRST NATIONAL BANK (FNB)						
REDEMPTION ACCOUNT		$ 67,609.92				
RESERVE ACCOUNT (Closed Account 8-4-04)		$ -				
TOTAL ASSESSMENT DISTRICT CASH		$ 67,609.92				

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.

COASTSIDE COUNTY WATER DISTRICT
CRYSTAL SPRINGS PROJECT
CAPITAL PROJECTS FY 07/08

October 31, 2007

PROJECT	**Actual to date**	**FY 07/08 CIP Budget**	**% Completed**
El Granada Pipeline Phase 3			
1128-03	$85,850	$2,701,000	3.2%
Contingency		$100,000	
TOTALS	**$85,850**	**$2,801,000**	3.1%

	Actual - Ending	
Carryover from FY 06/07	*30-Jun-07*	*FY 06/07 Budget*
	$260,002	*$1,000,000*

COASTSIDE COUNTY WATER DISTRICT
NON-CRYSTAL SPRINGS CAPITAL IMPROVEMENT PROJECTS - FY 2007/2008

DATE: OCTOBER 2007

DESCRIPTION	ACCT NO	CONTRACT AMOUNT	FY 07/08 ACTUAL TO DATE	FY 07/08 CIP BUDGET
PIPELINE PROJECTS				
Main Street/Hwy 92 Widening Project (Non-CSP Portion)	1120-93		$154,823	$650,000
WATER TREATMENT PLANTS				
Nunes Filter Media Replacement	1121-25		$6,928	$100,000
Nunes WTP- Filter BW Stations	1121-26		$6,392	$15,000
Nunes WTP -Raw Water Turbidimeter	1118-10		$4,588	$10,000
Nunes UST removal and replaced with AGST	1118-10			$60,000
Nunes WTP -Plant Lighting	1118-10			$15,000
Nunes WTP - Filter, BW, and SW Flow Meters Replacement	1118-10			$12,000
Nunes WTP - Head Loss System Replacement	1118-10			$15,000
Denniston WTP- Alarm Annunciator Panel	1118-11			$3,000
Denniston WTP- Filter Valve Replacement	1118-11			$75,000
Denniston WTP- Honeywell Recorder	1118-11		$6,354	$7,000
Denniston WTP- Filter Flow Meters	1118-11			$6,000
FACILITIES & MAINTENANCE				
Denniston Restoration	1120-03		$3,371	$26,000
Meter Pilot Program	1121-41			$40,000
Meter Change Program	1117-06		$261	$16,000
City & County Projects (resurfacing/raising boxes)	1120-86		$13,783	$31,000
Replace shop roof	1118-01		$4,169	$8,000
EQUIPMENT PURCHASE & REPLACEMENT				

COASTSIDE COUNTY WATER DISTRICT
NON-CRYSTAL SPRINGS CAPITAL IMPROVEMENT PROJECTS - FY 2007/2008

Vehicle Replacement	1118-04			$40,000
Computer System	1118-02		$1,015	$15,000
Office Equipment/Furniture	1118-02		$5,380	$20,000
SCADA/Telemetry	1121-82		$659	$125,000
New tapping machine	1118-03			$6,000
Front-end Loader with Scraper Box	1118-04			$50,000
Portable trailer light stand	1118-03		$8,119	$12,000
Valve and vacuum trailer	1118-03		$46,073	$50,000

PUMP STATIONS / TANKS / WELLS

Replace tunnel air transport line	1118-12			$100,000
Sump Pump in main line vault at Crystal Springs	1118-12			$3,000
Crystal Springs Soft Starts P1 and P3	1118-12			$45,000
Well Rehabilitation				$80,000
Cahill Tank - Exterior paint and ladder replacement				$160,000
PRV Valves Replacement Project				$20,000
Wells- Flow Meter and Chart Recorders				$25,000
CSP Motor and Pump Rehabilitation	1121-30			$50,000

DENNISTON WTP (PRIORITY) IMPROVEMENTS

Denniston Short Term WTP Modifications - Subproject	1121-21		$60,700	$842,000
DENNISTON STORAGE TANK MODIFICATION PROJECT	1121-40		$2,546	$686,000

NUNES WTP (PRIORITY) IMPROVEMENTS

Nunes WTP Short Term Modifications - Subproject	1121-21			$809,000

COASTSIDE COUNTY WATER DISTRICT
NON-CRYSTAL SPRINGS CAPITAL IMPROVEMENT PROJECTS - FY 2007/2008

NON-BUDGETED ITEMS (CAPITAL EXPEDITURES)

- SAMPLE STATION (8/07)	1118-03	$3,011	
- BOAT W/OARS (8/07)	1118-11	$2,152	
- Drilling/Tapping Machine (9/07)	1118-03	$4,171	
- Air Powered Cut Off Saw (9/07)	1118-03	$2,590	
- Walk behind Saw	1118-03	$2,566	
- Camera for Corp Yard / Alarm for Shop	1121-29	$1,750	
	TOTALS	$341,398	$4,227,000

Legal Cost Tracking Report
12 Months At-A-Glance

Acct. No.5681
ANTHONY CONDOTTI
Legal

Month	Admin (General Legal Fees)	CSP	Transfer Program	CIP	Personnel	Lawsuits 62% Reimbursable	Infrastructure Project Review (Reimbursable)	TOTAL
Nov-06	4,624	15	117	332	176	1,023		6,286
Dec-06	3,757	59		1,073	878	161		5,926
Jan-07	2,873		78	1,326	546			4,823
Feb-07	11,922	1,443		2,262	176		117	15,920
Mar-07	6,045	2,033		1,428	1,170			10,676
Apr-07	4,857	800	156	488	312			6,612
May-07	3,531	1,014	234	566	878		293	6,515
Jun-07	2,716	449	234	117	1,806			5,322
Jul-07	4,386	98	117	98	605	3		5,305
Aug-07	4,363	907	156	98	2,223			7,746
Sep-07	6,119	585			176			6,879
Oct-07	4,143	1,326		253	2,906			8,628
TOTAL	**59,336**	**8,726**	**1,092**	**8,038**	**11,849**	**1,187**	**410**	**90,638**

Engineer Cost Tracking Report
12 Months At-A-Glance

Acct. No. 5682
JAMES TETER
Engineer

Month	Admin & Retainer	Phase 3 EG Pipeline	CIP	Short Term WTP Imprv.	Studies & Projects	TOTAL	Reimburseable from Projects
Nov-06	1,938	2,414	2,103	16,217		**22,672**	
Dec-06	924	684		3,703		**5,311**	
Jan-07	1,532	2,387	456	11,078		**15,453**	
Feb-07	1,684	3,544	1,064	5,690	684	**12,665**	684
Mar-07	2,095	867	532	13,605	1,286	**18,384**	533
Apr-07	3,623	530		11,127	1,961	**17,240**	152
May-07	1,228	13,388		3,965		**18,581**	
Jun-07	1,456	4,945		15,097		**21,498**	
Jul-07	2,507	15,158	659	2,175		**20,499**	
Aug-07	954	8,400		6,548		**15,901**	
Sep-07	954	4,033		16,982	157	**22,126**	157
Oct-07	954	6,380		9,120			
TOTAL	**19,847**	**62,729**	**4,814**	**115,307**	**4,088**	**190,331**	**1,526**

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MINUTES OF THE BOARD OF DIRECTORS MEETING

Tuesday, October 9, 2007 – 7:00 p.m.

1) ROLL CALL: President Larimer called the meeting to order at 7:04 p.m. Present at roll call were Directors Ken Coverdell, Chris Mickelsen, and Bob Feldman. Director Everett Ascher was absent.

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

2) PLEDGE OF ALLEGIANCE – Everyone stood for the Pledge of Allegiance.

3) PUBLIC ANNOUNCEMENTS

A. Introduction of new Coastside County Water District General Manager, David Dickson, effective October 15, 2007

President Larimer introduced Mr. David Dickson, Coastside County Water District's new General Manager. Mr. Dickson stated that he was very pleased to be joining the Coastside County Water District and appreciated all of the interactions with the Board members and looked forward to starting his employment with the District on Monday, October 15, 2007.

President Larimer added that there had been a surprising number of candidates for the position, with approximately eight candidates interviewed, and that Mr. Dickson had placed very high on the list from the very beginning of the process. He also stated that the

Board felt very fortunate to have Mr. Dickson joining the District, appreciated his qualifications, experience, and familiarity with the area and welcomed him back to the coastside, since his days as the Manager of the Sewer Authority Mid-Coastside (SAM).

B. Public Announcements

Bob Ptacek, Montara – Stated that he wanted to congratulate the Coastside County Water District on the hiring of Mr. Dickson as the new General Manager and reported that he had interviewed Mr. Dickson years ago for the Manager position for the expansion of the SAM Plant. He added that he was glad that CCWD hired him, that he has had experience working with Mr. Dickson, respects him very much, and was looking forward to having the opportunity to work with him again.

4) CONSENT CALENDAR

- **A.** Requesting the Board to review disbursements for the month ending September 30, 2007 – Claims: $752,159.22; Payroll: $80,200.03 for a total of $832,359.25
- **B.** Acceptance of Financial Reports
- **C.** Minutes of the September 11, 2007 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.** September 2007 Leak Report
- **H.** Rainfall Reports
- **I.** San Francisco Public Utilities Commission Hydrological Conditions Report for September 2007
- **J.** Engineering Projects Received for Review during August 2007

President Larimer announced that he had reviewed the monthly financial claim reports and found all to be in order.

ON MOTION by Director Coverdell and seconded by Director Mickelsen, the Board voted as follows to accept the Consent Calendar in its entirety:

Director Coverdell	**Aye**
Director Mickelsen	**Aye**
Director Ascher	**Absent**
Director Feldman	**Aye**
President Larimer	**Aye**

5) PUBLIC OUTREACH/PROGRAM DEVELOPMENT/WATER RESOURCES ANALYST'S REPORT

A. Monthly Water Resources Report

Ms. Brennan reviewed the details of her written monthly report, highlighting her attendance at the recent San Francisco Public Utilities Commission (SFPUC) Public Hearing on the Environmental Review of their Water System Improvement Program and reported on some of the comments presented at the public hearing about the Program Environmental Impact Report (EIR).

Ms. Brennan also reviewed a summary of the District's water conservation programs scheduled for fiscal year 2007/2008 and directed the Board's attention to the table featuring the estimated water savings associated with each of the programs. She addressed several questions from Board members in regards to various conservation and rebate programs and the Board expressed an interest in the installation of a water-less urinal at the District office.

Additionally Ms. Brennan provided a report on two recent meetings of the Bay Area Water Supply and Conservation District (BAWSCA); the Board of Directors meeting and the Technical Advisory Committee meeting.

President Larimer stated that he was very impressed and very much appreciated the comments provided by staff members Cathleen Brennan and Joe Guistino on the SFPUC Water System Improvement Program (WSIP) PEIR Draft and inquired as to how the District's comments can be documented. Ms. Brennan explained that SFPUC is required to respond to all comments submitted.

President Larimer also noted in the comments that when CCWD is taking water out of Pilarcitos Lake, it is not taking water out of Crystal Springs, and vice versa, which has a substantial cost consequence for us locally. He added that he realized that it is actually permitted this way, preventing the District from taking water from both sources simultaneously, but suggested that in the future, with the great concern for balancing the use of resources, felt that this issue is something that should be revisited, with consideration given to the possibility of removing this restriction.

Mr. Guistino replied that this particular matter is on his list of tasks to pursue and President Larimer stated that this issue definitely should be agendized for a future Board meeting for further investigation and exploration of other options that would not be so restrictive.

Ms. Brennan also expressed her gratitude to Susan Turgeon, Office Specialist, for volunteering her assistance with many of the District's recent water conservation related advertisements, including some of the water shortage message posters and water-wise gardening poster, currently displayed in the District's lobby. She stated that Ms. Turgeon's enthusiasm, support, and expertise were very much appreciated and valued.

B. Water Shortage and Drought Contingency Plan

Ms. Brennan reported on her recent activities relating to the Water Shortage and Drought Contingency Plan, including her participation in the local Coastside Eco-Energy Expo and Solar Home Tour, and an Urban Drought Workshop recently conducted by the California Urban Water Conservation Council and the Department of Water Resources in Santa Rosa. She also recapped her outreach activities, including the water saving tips brochures now available, and the billing statement messages, requesting the ten percent reduction in water consumption from the District's customers.

C. Advisory Committee Reports

- **Meeting of the San Francisco Public Utilities Commission Policy Advisory and Future Water Resources Committee – September 10, 2007**

Ms. Brennan reminded the Board that a verbal report on this meeting conducted on September 10, 2007, was provided at the September 11, 2007 CCWD Board of Directors meeting.

6) SUPERINTENDENT OF OPERATION'S REPORT

A. Superintendent of Operations Monthly Report

Mr. Guistino referenced his written monthly report, highlighting a few matters including the progress on the Denniston Storage Tank Modifications Project and his recent conversations and recommendations from the environmental consultant in regards to the Denniston Reservoir Dredging project. Mr. Guistino also provided updates on the Denniston Well Rehabilitation Project, the Nunes Filter Rinse Project, and also reported on the first stage of the annual inspection from the California Department of Health Services (DHS). He added that the DHS Inspector was very complimentary of the District and acknowledged the improvements that have been accomplished over the past year. He informed the Board that the DHS Inspector had actually brought along a newly hired DHS employee, who is presently being trained as an inspector, commenting that she wanted the new inspector to participate in the inspection of a model utility agency and have the opportunity to witness "how a water treatment plant should be operated".

Mr. Guistino also advised the Board of the recent theft of the District's scrap metal and reported on the preventative and security measures currently being put into operation. He also informed the Board of a recent newly hired Maintenance Worker, Mr. Daniel Williams, who has been working on a temporary basis for the District since last May and has proven to be an outstanding, intelligent, energetic and reliable employee, who is looking forward to a career with CCWD.

Mr. Guistino also directed the Board's attention to a recent article he has written, which was published in the September 2007 edition of the American Water Works Association publication, Opflow magazine, regarding Water Quality Monitoring. He pointed out that a photograph of Jack Whelen, one of CCWD's Treatment/Distribution Operators was also featured in the article.

Additionally Mr. Guistino addressed questions from the Board on the District's performance in regards to the recent evacuation drill.

B. <u>Advisory Committee Reports</u>

- **SFPUC Policy Advisory & Conservation Agency & Future Water Resources Committee – September 19, 2007 Pilarcitos Integrated Watershed Management Plan (IWMP) Workgroup Conference Telephone Call**

Mr. Guistino reported on the September 19, 2007 conference call in regards to the Pilarcitos Integrated Watershed Management Plan, which main focus was on a continuation of the modifications needed to the Goals and Objectives Report provided by the project consultants.

7) DISTRICT ENGINEER'S REPORT

A. <u>Award of Contract for the Construction of Phase 3 of the El Granada Pipeline Replacement Project</u>

Mr. Teter reported that nine bids were submitted for this project, which were opened on October 2, 2007. He reviewed the Engineer's estimate of $5,752,000, and provided the highest and lowest bid amounts. He advised that the lowest bid was received from JMB Construction, Inc. in the sum of $4,549,196.25 and distributed a copy of the letter sent to the firm dated October 3, 2007, requesting that a statement of qualifications be submitted to the District. Mr. Teter also informed the Board that the statement of qualifications from JMB Construction, Inc. had arrived in the District's mail on October 9, 2007, and that he had just been provided with a copy of the submittal prior to the start of this evenings Board meeting. He noted that the statement of qualifications appeared to be complete and in compliance with the District's requirements.

Mr. Teter reiterated to the Board, his recommendation provided to Mr. Guistino earlier that day, which consisted of staff preparing a list of questions to be presented to the contractor's references,

including inquiring as to whether the contractor's projects have been performed and completed satisfactorily.

President Larimer stated that this particular project has been scrutinized, with a very large magnifier on environmental issues, and the District has willingly agreed to comply with the restrictions and conditions placed on the project and there needs to be some assurances that there is a plan for the District to stay in compliance with these restrictions and conditions.

Mr. Teter responded that he had meticulously included all of the project permit conditions within the contract documents and specifications incorporated in the project manual, in order to ensure that the contractor complies with all project conditions and restrictions. He added that it would be the District's responsibility to have construction management and inspection services available on site to monitor the contractor's activities and verify compliance with the project conditions and environmental restrictions. He also stated that he felt it would take construction management personnel to watch, direct, and work with the contractor on these compliance issues and that it is imperative that someone who understands the project documents and specifications be available and on-site to oversee the contractor's work and performance.

Mr. Guistino stated that he felt the District may need to contract out the project construction management services.

President Larimer commented that his conclusion, after hearing this discussion, is that the District is at the point where it needs to have a "game plan", and part of that plan includes evaluating the bids that were received and making sure that the contract is awarded to the most responsive and lowest bidder, and at the same time, there needs to be a plan to manage the project. He suggested that the topic be tabled to a point in the future when the District has had an opportunity to research all aspects and develop a proposed plan. Mr. Guistino stated that he was in agreement and Mr. Teter confirmed that there is a period of seventy-five days before the bids can be withdrawn, so there was ample time to research and evaluate all of the related issues.

Director Coverdell stated that in order to take advantage of the project starting soon and under favorable weather conditions, he

suggested that the Board of Directors schedule a meeting within the next two weeks, rather than tabling a decision until the November Board of Directors meeting.

Mr. Guistino commented that with the large amount of environmental mitigation, complexity, and responsibility associated with this project, he was not sure that his present Operations and Maintenance Staff could adequately manage the project management and inspection services of a project of this caliber at this time. He advised that he has been in discussions with Mr. Teter, regarding the possibility of the District preparing a request for proposal (RFP) for a professional consulting firm to handle the construction management aspects of the project.

Director Coverdell responded that he values Mr. Guistino's recommendation; however after having watched some consulting engineers manage some projects over the years, including the Crystal Springs Project, he did not have as much confidence in this approach, unless it could be assured that the consultant would perform a competent job. He stated the he would prefer that District Staff work with the new General Manager and that the project be managed by the District, which would also provide a substantial savings.

Director Feldman pointed out that the report provided by the District Engineer notes some previous problems experienced by the District when hiring consultants to perform project construction management services. He also noted that in order to make an informed decision on how best to pursue the construction management services, it appeared that the first step in the process would be to thoroughly review the statement of qualifications from the lowest bidder, JMB Construction, Inc.

Mr. Guistino agreed that the District has had some project experiences with outside inspection services that were performed in a substandard manner and was not too eager to pursue this course of action in the future. He proposed another alternative, which included the hiring of an engineer, on a limited term basis, for the duration of the project's completion, and advised that this alternative was very popular and used often by many other Bay Area water districts. He also informed the Board that he felt that this important decision could be postponed a couple of weeks until

the new General Manager had begun employment and had an opportunity to become familiar with the District.

President Larimer stated that it is clear that the District needs to identify who will be in charge of this project and who will be making determinations during the construction of the project. He commented that, based on the Board's discussion, staff should be making note of this message, and also understand that the Board wants this project underway, in a well-managed way, as soon as possible. He also advised that the Board is willing to conduct a special meeting, prior to the November meeting, if it should be necessary, in order to move this matter forward. He also stated that the Board expects a serious plan from staff, that provides for the fact that if something goes wrong with the project, the Board will know who to ask why it went wrong.

Mr. Guistino replied that he estimated that staff could have this matter resolved, with a solution ready to be presented to the Board within approximately three weeks.

B. <u>District Engineer Work Status Report</u>

Mr. Teter directed the Board's attention to his written report, and reviewed the progress of his work on the Water Treatment Plant Short-Term Improvement Project and the Water Treatment Plant Modifications Project.

8) GENERAL BUSINESS

A. <u>Award of Contract for Automatic Meter Reading (AMR) Pilot Program</u>

Mr. Guistino reported that District staff has met with National Meter & Automation, Inc. to establish scheduling, training, interface with the billing system, safety precautions and meter replacement for the sixty-seven meters located on Highway 92. He recommended that the Board vote on the award of contract for procurement and installation of the Orion AMR system. He also advised that the project start date is scheduled for November 5, 2007, with an estimated completion time of one week, so the system should be fully installed on Highway 92 by Thanksgiving time.

President Larimer commented that the District is not only pursuing this project to test the automatic meter reading, but more importantly to insure the safety of the District's meter reading staff.

ON MOTION by Director Mickelsen and seconded by Director Feldman, the Board voted as follows to award the contract for the procurement and installation of the Orion AMR System to National Meter & Automation, Inc. for the Highway 92 AMR Pilot Program:

Director Coverdell	**Aye**
Director Mickelsen	**Aye**
Director Ascher	**Absent**
Director Feldman	**Aye**
President Larimer	**Aye**

B. <u>Discussion and possible authorization to staff to purchase new fleet vehicle</u>

Mr. Guistino reviewed the criteria for replacement of District vehicles, which includes age, over ten years; mileage of 100,000 miles, and condition of vehicle, as well as the process for acquiring bids for fleet vehicles.

ON MOTION by Director Coverdell and seconded by Director Mickelsen, the Board voted as follows to authorize staff to purchase a new Ford F150 4 x 2 pick-up truck from Serramonte Ford:

Director Coverdell	**Aye**
Director Mickelsen	**Aye**
Director Ascher	**Absent**
Director Feldman	**Aye**
President Larimer	**Aye**

C. <u>Discussion and possible recommendation regarding updates to the CCWD Personnel Manual and possible recommendation regarding preparing a Request for Proposal (RFP) for a salary and benefit survey</u>

Mr. Guistino reported that the Personnel Committee, consisting of Directors Ascher and Feldman and staff members, including himself and Gina Brazil, the Office Manager, had met on October 1, 2007 to discuss a salary and benefit survey and possible update to

the District's Personnel Manual. He reviewed the Committee's recommendation that the District prepare a Request for Proposal (RFP) for a salary and benefit survey and to update the Personnel Manual. He informed the Board of the recommended updates, which include amending the Personnel Manual to include language to authorize the General Manager to provide for merit bonuses if warranted, once an employee reaches the top step of their designated pay scale, clarification of evaluation review process in regards to the timing, responsibility, and obligated signatories, and to add a provision and description of the review process for the General Manager by the Board of Directors.

Director Feldman stated that the Committee supports the recommendations as stated and noted that there are a number of firms that can be solicited to perform a salary and benefit survey, and that possibly proposals could be received and presented at the November Board meeting.

President Larimer commented that the District had not completed a salary survey in a very long time, and depending on the results received from this new survey, there may need to be some adjustments to a number of positions if the survey indicates that the pay rates are out of synchronization with the industry standards. He also stated that he is troubled by the concept of a bonus issued every year because an employee is at the top of their pay scale, because this would seem to indicate to him that some steps should be added to the pay scale ladder.

Director Feldman agreed that the survey results need to be evaluated before any major changes are made to the policy. He explained that currently the committee is viewing a bonus system, not to be automatically administered on an annual basis when an employee is at the top of their scale, but for extraordinary and exceptional performance within an employee's current job description. He also clarified the committee's views that additional steps could be advanced by an employee for acquiring new skills or accepting new or additional responsibilities. He also indicated that the salary survey results are very important and that the Requests for Proposals need to be solicited promptly.

D. Discussion and direction to staff regarding CCWD Advisory Committees

Cathleen Brennan introduced this item, explaining that in the process of reviewing the District's advisory committee list recently, for the purpose of assigning staff members to the committees, staff noted that there appeared to be an opportunity to combine some of the committees in an effort to increase the effectiveness of District's advisory committees. She reviewed staff's proposed revisions, which included the following:

- The combining of the Personnel Committee and Recruitment Committee to create the Human Resources Committee, with the understanding that there may be a need to have special assignments made, depending on the position being recruited.
- The combining of the District Facilities Committee with the Denniston Restoration Committee, due to the fact that the same Board and staff members were assigned to both committees.
- A Water Resources Committee was added to the list of internal advisory committees to fill the advisory need for conservation programs and other water resources activities related to integrated watershed and integrated water plan management.
- The current committee list refers to external advisory committees, which was changed to external advisory commitments.
- The current San Francisco Public Utilities Commission (SFPUC) Advisory and Future Water Resources Committee was revised and is now listed under the external advisory commitments as Water Resources.

Director Coverdell complimented Ms. Brennan, stating that the revised advisory committee list was well organized and he appreciated having the detailed descriptions provided. Director Mickelsen agreed with the improvements, stating that he appreciated having the committee responsibilities so clearly stated. Director Feldman also noted his approval. President Larimer recommended that to complete the process, staff combines the list with an annual calendar listing of the specific reports due and the respective deadlines that involve the various committees' participation. He also suggested that this revised committee listing with a calendar of reporting commitments could be delayed a month or two in order to provide the new General Manager with an opportunity to review the materials and get a sense of the organization.

President Larimer commented that he was very impressed and pleased with the project results and directed staff to incorporate the calendar and after the General Manager has had a chance to review it; the listing and calendar could be presented to the Board again at a future meeting. He also stated that the calendar would be a valuable tool in tracking projects and obligations, and noted that some problems, such as the extensive period that transpired since the District's last salary survey could be avoided in the future with this tool in place.

9) AGENDA ITEMS/ DIRECTOR COMMENTS/ MEETINGS ATTENDED

President Larimer reiterated that the members of the Pilarcitos Creek Restoration Workgroup would be conducting a public workshop on Saturday, October 27, 2007. Ms. Brennan added that she had been informed that invitations would be mailed to all property owners and that posters were scheduled to be distributed throughout the community. Staff was directed to prepare and post an agenda for this meeting in order to provide for attendance by all Board members.

Director Feldman announced that he had just attended the California Special Districts Association 38th Annual Conference in Monterey over the past week and noted that five hundred and twelve attendees were present. He reported that it was a very interesting conference, with a diverse group of agencies, and that he felt that the most important and significant issue facing the state in the future will be the California water crisis, due to climate changes, the Delta issues, growth, and the Colorado River and other factors associated with our water supply. He reported briefly on a few additional conference discussion items, including updates to the Brown Act and potential conflicts that can occur when multi-generations are working together in the same organization, legislative updates and matters pertaining to Local Agency Formation Commissions (LAFCo).

10) ADJOURNMENT

The meeting was adjourned at 9:03 p.m. The next meeting of the Coastside County Water District's Board of Directors is scheduled for Tuesday, November 13, 2007.

Respectfully submitted,

_____
Joe Guistino, Acting General Manager

_____
Jim Larimer, President
Board of Directors
Coastside County Water District

COASTSIDE COUNTY WATER DISTRICT

INTERNAL ADVISORY COMMITTEE REPORT

Advisory Committee: Water Resources Committee

Meeting Date and Time: November 1, 2007 8:30am

Committee Members:
Chris Mickelsen, Vice President
Bob Feldman, Director
Cathleen Brennan, Water Resources Analyst
David Dickson, General Manager

Meeting attended by:
Chris Mickelsen, Vice President
Bob Feldman, Director
Cathleen Brennan, Water Resources Analyst
David Dickson, General Manager

Subject: Water Supply Evaluation Report 2006 – Second Revision

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Committee Recommendations: The Committee recommends that the Board of Directors accept the second revision of the Water Supply Evaluation Report for 2006

Staff revised the first draft of the Water Supply Evaluation Report for the calendar year 2006 to reflect the recommendations by individual Board members and by the Water Resources Committee.

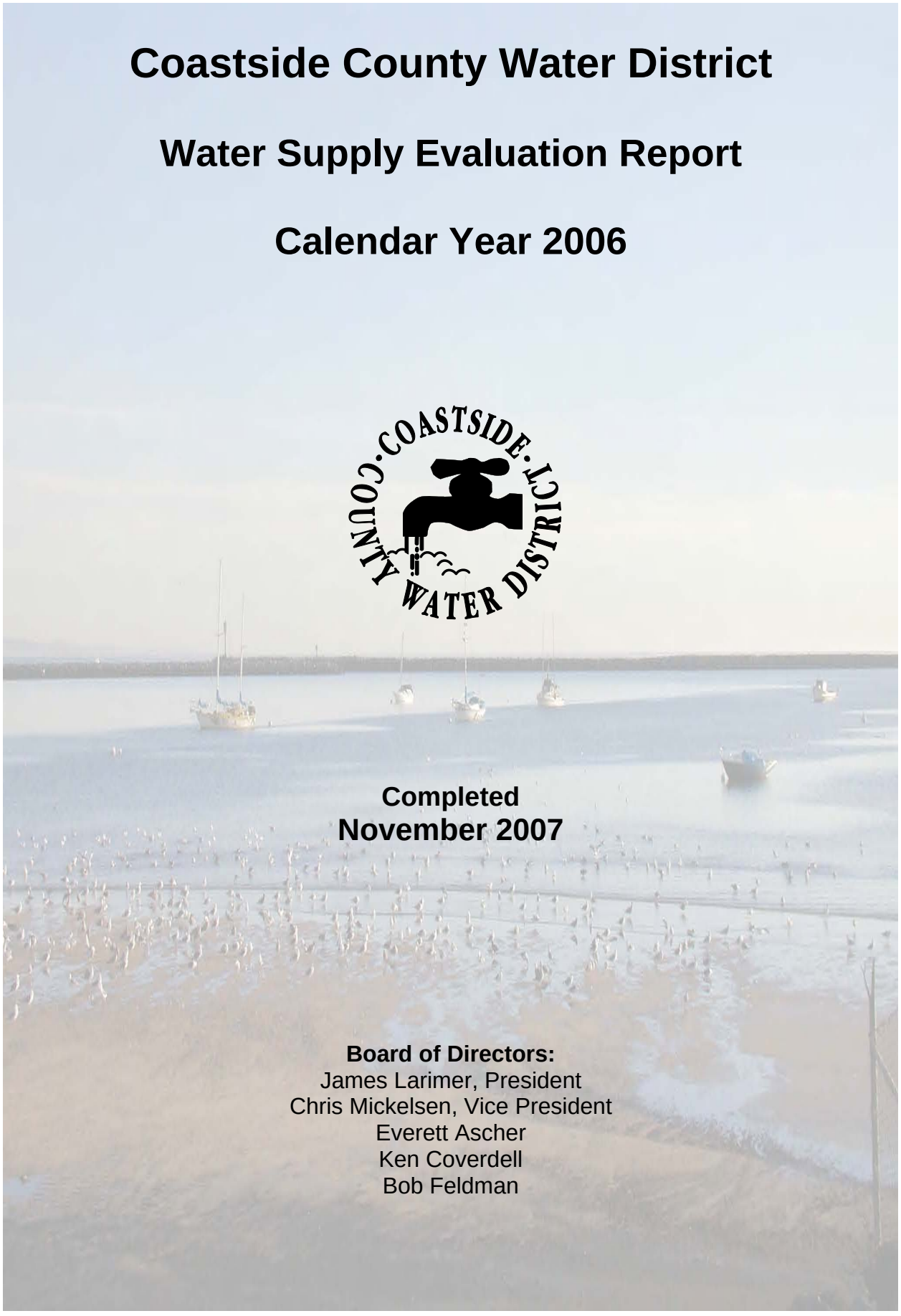
It was agreed that the Water Resources Committee would meet early next year to discuss the preparation of the 2007 Water Supply Evaluation Report. At this meeting, staff will consider suggestions for a new format and revisions to the body of the report.

See the attached draft of the Water Supply Evaluation Report for calendar year 2006.

Coastside County Water District

Water Supply Evaluation Report

Calendar Year 2006



Completed
November 2007

Board of Directors:
James Larimer, President
Chris Mickelsen, Vice President
Everett Ascher
Ken Coverdell
Bob Feldman

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Tables

Figures

Appendices

I. Introduction

The Coastside County Water District's (District) Water Supply Evaluation Report is prepared annually following the compilation of water production and water sales data for the prior calendar year. This year's report contains water production data for the period 1972-2006 and water sales data for 1975-2006. The body of this report is focused on summarizing calendar year 2006.

II. System Supply, Production and Transmission Capabilities

Water Supply Sources

The District currently has multiple water supply sources. There are two sources owned and operated by the San Francisco Public Utilities Commission (SFPUC) and there are three sources owned and operated by the District. Appendix G contains a map of the Water Supply System.

SFPUC

The District purchases water under an agreement (Master Contract) executed in 1984 from two sources owned and operated by SFPUC (1) Pilarcitos Lake and (2) Upper Crystal Springs Reservoir. While terms of this agreement are complex, for the purpose of this report it may be stated that the District is currently entitled to purchase a maximum of approximately 800 MG (million gallons) annually, except in drought years when mandatory water rationing is in effect. The Master Contract between the District and the SFPUC expires in 2009 at which time a new contract will be negotiated and implemented. The transmission pipelines from each of the two sources from SFPUC interconnect in upper Pilarcitos Canyon. Water can be purchased from only one of these sources at any one point in time because of the system hydraulics, including a check valve in the pipeline from Pilarcitos Lake.

Pilarcitos Lake

Water from the Pilarcitos Lake source is normally only available during the winter and spring months because the SFPUC seeks to keep the lake relatively full for use during emergencies. In addition, the District's transmission pipeline from Pilarcitos Lake has a limited capacity of 1,889 gpm (gallons per minute). This limited flow rate is caused by the restriction of the 2,200 linear feet of 50-year-old 12-inch diameter steel pipeline between the SFPUC service connection and northerly end of the 18-inch diameter Pilarcitos Canyon pipeline. The District estimates the safe yield of Pilarcitos Lake to be 520 MG per year. The Pilarcitos Lake supply source is important to the District because it flows by gravity (no pumping required) from the SFPUC service connection to the District's Nunes Water Treatment Plant (WTP). The benefits of the gravity flow of water from Pilarcitos Lake to the treatment plant are low operating costs and high dependability.

Crystal Springs Reservoir

The District pumps water from Upper Crystal Springs Reservoir through an 18-inch diameter transmission pipeline to the Nunes WTP. Water from the Crystal Springs source is available throughout the year on an as-needed basis. The Crystal Springs project was designed for an ultimate capacity of 12.0 MGD. The present capacity to provide water to Half Moon Bay is 4.5 MGD and is limited by the operation constraints of the Nunes WTP. Expansion of the project capacity would require the approval of the SFPUC and the Coastal Commission. The Crystal Springs supply source is important to the District because Crystal Springs Reservoir is inter-tied with SFPUC's main supply source, the Hetch Hetchy system. The Crystal Springs supply is more expensive than the other supply sources because of pumping (electrical power) costs.

<u>Pilarcitos Well Field</u>

The Pilarcitos Well Field is located in Pilarcitos Canyon between Pilarcitos Lake and Highway 92 and it is owned and operated by the District. Operation of this well field is limited by a state-issued water rights license to the period November 1 through March 31 of each year. Also, the license limits the maximum pumping rate to 673 gpm and annual

production to 117 MG. Because the production of these wells is dependent upon infiltration from the Pilarcitos Creek stream flow, their yield is extremely low during drought years.

Denniston Project

The Denniston Project is located in the vicinity of the Half Moon Bay Airport. The Denniston Project has two water supply sources: Denniston Wells and Denniston Surface Water (stream diversion). The District owns and operates these water production facilities.

Denniston Surface Water

Water may be diverted from both Denniston and San Vicente Creeks under a water rights permit issued by the State, but currently there are no facilities for the diversion of water from San Vicente Creek. The water production available from these surface water sources during the summer months is limited by the amount of flow in the creeks and the amount of diversion allowed under the water rights permit, which is sometimes greater than the amount of flow in the creeks during the summer months. During drought years the production from these creeks is extremely low because of the small watershed area. The intake at the Denniston stream diversion has been negatively impacted by the build up of silt. Routine dredging has not occurred in recent years due to difficulty obtaining permits. The silt build up affects both the quality and the quantity of water from the Denniston stream diversion.

Denniston Wells

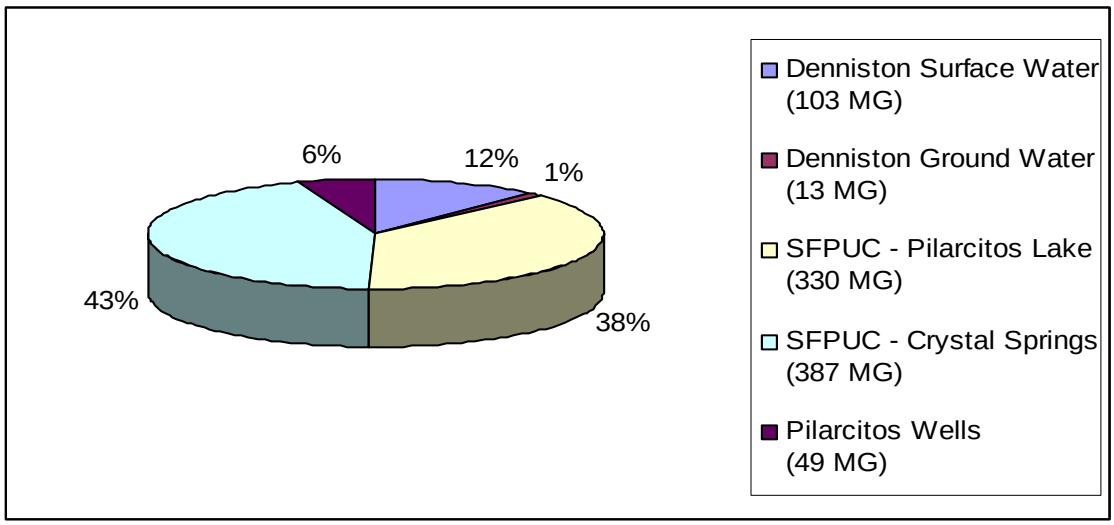
The production from the Denniston area wells is not under the control of a water rights permit, but a Coastal Development Permit limits annual total production of the well field to 130 MG. The production from the Denniston well field decreases substantially during drought periods due to lowering of the water table in the Denniston groundwater basin.

Water Production

In 2006, the District produced a gross total of 880 million gallons of water from the three supply sources. Figure 1 illustrates the percentage of water production from the three

supply sources. Water purchased from the SFPUC constituted 81% of the District's 2006 annual water production, while the District's local water sources composed of 19%.

Figure 1: 2006 Production of Water Supply Sources



Capability of Supply Sources to Meet Annual Demands

The quantity of water available from each of the District's supply sources is in some degree dependent upon precipitation for local sources and snowfall for imported sources. Therefore, the amount of water available from the different sources varies annually. Despite the fact that severe droughts occur infrequently, the District must limit the number of service connections in its system to meet basic water requirements of its customers during drought years. The amount of water that a supply source can reasonably be expected to produce during severe droughts such as those which occurred during 1976-77 and 1989-91 is defined as its "drought yield" (also referred to as safe yield); the amount that this source can be expected to produce following several years of average precipitation is defined as its "normal yield."

In times of drought, the District has proven it can reduce water demand by approximately 25-30%, by measures implemented by SFPUC and the District in 1977, 1978, 1988, 1990, 1991, and 1992. There is concern that "demand hardening" due to more water efficient

appliances and fixtures may impact the ability of customers to duplicate the large percentage reductions in drought years, since their current usage is more efficient.

Fire safety is dependent upon having adequate water in the storage tanks, in either a drought yield or a normal yield. Under drought conditions, the drought yield supply is ample to meet fire safety regulations since water rationing measures would be instituted to reduce overall demand.

Table 1: Benchmarking Survey for Treated Storage Capacity

	Name of Agency	Storage in Million Gallons	Population	Gallons Storage per Capita
1	Guadalupe Valley Muni Improvement Dist.	2.7	438	6,164
2	Purissima Hills Water District	9.9	6,000	1,647
3	City of Brisbane	2.7	3,159	855
4	Town of Hillsborough	8.3	10,965	753
5	North Coast Water District	23.8	40,000	595
6	Estero	20.0	34,385	582
7	Westborough Water District	6.5	12,000	542
8	City of Menlo Park	5.5	10,213	539
9	Coastside County Water District	8.1	17,372	466
10	Mid-Peninsula (Belmont)	12.0	26,050	461
11	San Jose Municipal System-North	6.0	15,256	393
12	Stanford University	8.0	27,715	289
13	Skyline County Water District	0.5	1,812	270
14	Alameda County Water District	85.8	324,800	264
15	City of Redwood City	21.2	83,492	254
16	City of Santa Clara	27.3	108,700	251
17	City of Milpitas	16.3	64,998	251
18	City of Daly City	23.1	104,661	221
19	City of Sunnyvale	27.5	133,544	206
20	City of San Bruno	8.0	40,165	199
21	City of Hayward	28.1	146,398	192
22	Calwater Bear Gulch	10.0	55,820	179
23	City of Palo Alto	10.5	62,148	169
24	Calwater Mid-Peninsula	20.4	123,890	165
25	Calwater So. San Francisco	8.1	56,900	142
26	City of Millbrae	2.6	20,718	125
27	City of Mountain View	9.0	72,033	125
28	City of Burlingame	2.9	28,000	105
29	East Palo Alto Water District	0.0	25,696	0

BAWSCA Annual Survey Data March 2007

The District has approximately 8.1 MG of storage available for a population of 17,372 residents. This currently equates to 466 gallons per capita of storage. Each person is estimated to use roughly 75 gallons per day. Of the 29 regional water agencies benchmarked, the District ranks 9th in storage available per customer. See Table 1 for the District's storage capacity and ranking among other regional water districts. Water supply planning manuals ("Water Supply Planning" by David Prasifka) recommend enough storage capacity to meet peak flow demand.

The estimated drought yield and normal yield annual production for each of the District's supply sources is shown below in Table 2.

Table 2: Estimated Annual Production Capability in MG

Supply Source	Drought Yield (Safe Yield)	Normal Yield
SFPUC (Crystal Springs Res. and Pilarcitos Lake)	[1]600	[2]800
Pilarcitos Well Field	[3]16	[4]53
Denniston Surface Water	[5]101	[6]204
Denniston Groundwater	[7]43	[8]55
Annual Total	**760**	**1112**

[1] Based on the SFPUC Agreement less 25% mandatory rationing which has been imposed by SFPUC during recent droughts.
[2] Based on SFPUC Agreement amount.
[3] Based on historical year of lowest production, 1977.
[4] Average production since 1983.
[5] Based on historical lowest year of production, 1977.
[6] Average production since 1992, when the maximum capacity of the Denniston WTP was decreased to 700 gpm for compliance with the Surface Water Treatment Rule.
[7] Based on well production capability at end of 1991. Well production was low this year because it was during a drought period when flow in the creek was minimal.
[8] Based on well production during 1995 during which production was maximized.

Transmission System Capability to Meet Peak Daily Demands

The capability of the District's existing water supply and transmission system to meet the demands placed upon it by existing and potential new service connections must be evaluated in regards to two parameters: (1) annual demands and (2) peak daily demands. The system must have both an adequate water supply to meet peak annual demands and sufficient pipeline transmission capacity to meet peak daily demands.

The supply system's transmission pipelines must have sufficient capacity to meet peak daily demands, which occur during periods of hot weather. The District's two primary supply system transmission pipelines are those which convey water from the two primary supply sources available during the summer months, Crystal Springs Reservoir (or Pilarcitos Lake) and the Denniston Project. The system's capability to meet these peak daily demands is shown in Table 3.

Table 3: Transmission Capability at Peak Demand Periods (gpm)

Water Supply Sources	Drought Conditions	Average Precipitation
SFPUC (Crystal Springs Res. & Pilarcitos Lake)	[9]3,125	[10]3,125
Pilarcitos Well Field	[11]0	[12]0
Denniston Surface Water	[13]180	[14]464
Denniston Well Field	[15]78	[16]110
Total Peak Flow	**3,383**	**3,699**

[9] Based on 4.5 MGD rated capacity of the Nunes WTP. The Crystal Springs Pump Station rated capacity is 3,847 gpm. The peak capacity of the transmission pipeline from Pilarcitos Lake is 1,889 gpm.
[10] Same as footnote 9.
[11] Well field cannot be operated during peak demand months.
[12] Same as footnote 11.
[13] Based on minimum stream flow during 1976-77 drought.
[14] Average productions since 1992 for months when peak demands occur (June, July, August, September).
[15] Based on peak well production capability at end of 1991.
[16] Average productions during 1995 for months when peak demands occur (June, July, August, September).

The above information assumes that peak daily demands will occur during summer or fall months. Denniston surface water is normally available in greater quantity to meet peak demands during spring months. Also, footnote 9 contains important information regarding

system capacity during peak demand periods, which should be briefly discussed. As stated in footnote 9, the transmission capacity from SFPUC source is shown as 3,125 gpm based on the 4.5 MGD rated capacity of the Nunes WTP. This rated capacity of the treatment plant is based on water quality requirements for the treated water, not on hydraulic capacity. During periods of low untreated water turbidity, which is the normal condition for Crystal Springs water during summer and fall months, the Nunes WTP can be operated satisfactorily at the full 3,848 gpm rated capacity of the Crystal Springs Pump Station. Using this 3,848 gpm amount in the table shown above instead of the 3,125 gpm amount, the resulting total peak flow capabilities are 4,106 gpm during drought conditions and 4,417 gpm during average precipitation conditions.

III. System Demands

System demands are monitored by two methods: (1) water sales as recorded on the customer's individual water meters, and (2) water production as recorded on the District's master water meters at each of its supply sources. More water must be produced than is sold due to losses within the distribution system, distribution system flushing and treatment plant uses.

Annual Demand

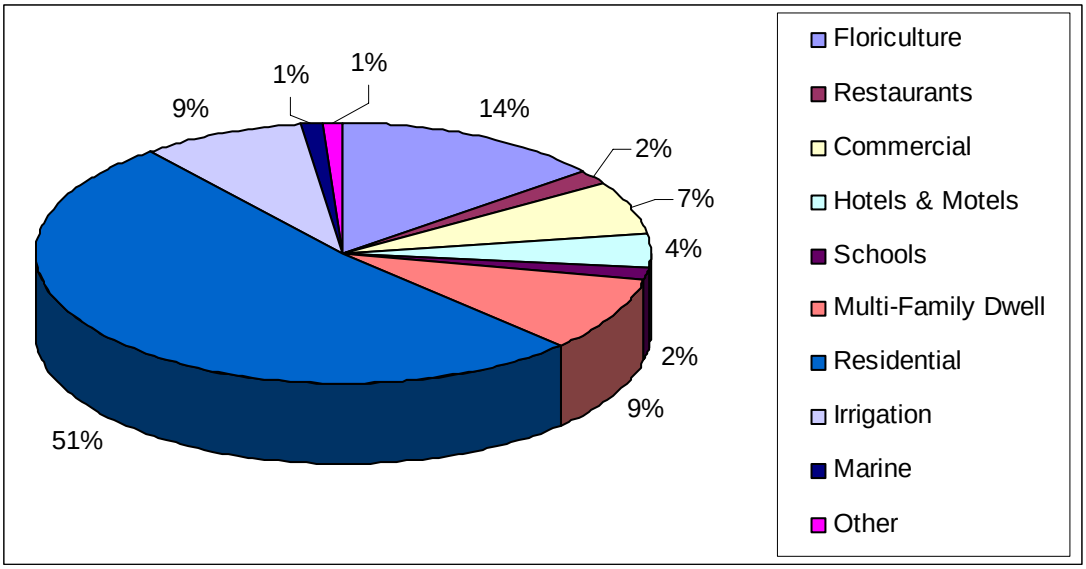
The District began monitoring water sales to its major customers in 1972, prior to construction of the Denniston Project, as it was apparent that system demands were reaching the capacity of the Pilarcitos Lake source. In 1979, following publication of the draft public works section of the San Mateo County Local Coastal Program (LCP), it became evident that a much more sophisticated monitoring program would be required in order for the District to have the data necessary to support permit applications for expansion, maintenance, and upgrades of its water supply, storage, and transmission facilities.

Beginning with the 1979 Water Supply Evaluation study, the District initiated a much more thorough annual analysis of its water sales and production. These analyses use 1975 as

the base year since that was the last year of normal water usage prior to the 1976-77 drought (1979 was the first full year subsequent to the drought that no form of water rationing was in effect). The water usage data has also been compiled by the user categories found in the LCP's. A summary of water production from each of the three supply sources since 1972 is shown in Appendix A.

In accordance with the LCP, the District breaks down its user categories into eleven different sectors. In 2006, 60% of the District's water sales were sold to the residential sector. The second major water user is the floriculture sector, totaling 14% of sales. Water sales by categories from 1975 are shown in Appendix B. Figure 2 illustrates the breakdown of water sales by category for 2006. The "Other" label includes the following sales categories; portable meters, recreation, beaches/parks, and fire accounts.

Figure 2: 2006 Water Sales by Category



Water sales have generally increased annually due to the number of new water service connections that are installed and activated each year. Figure 3 is a comparison by year of the sales categories and total sales. This chart illustrates changes in consumption year

to year in each sales category. Appendix D shows the number of new service connections installed each year from 1970 to 2006.

Figure 3: Comparison of Sales by Year (1996-2006)

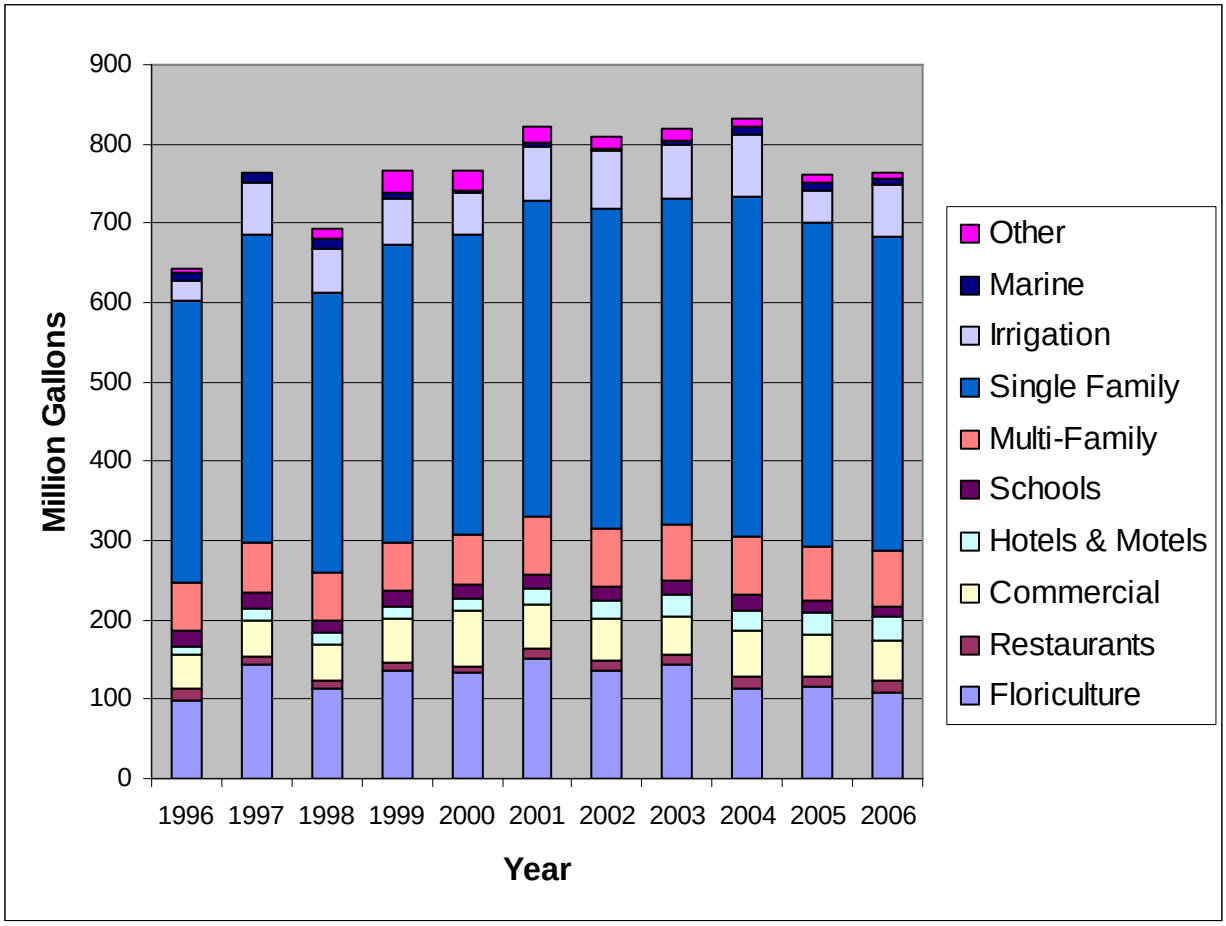


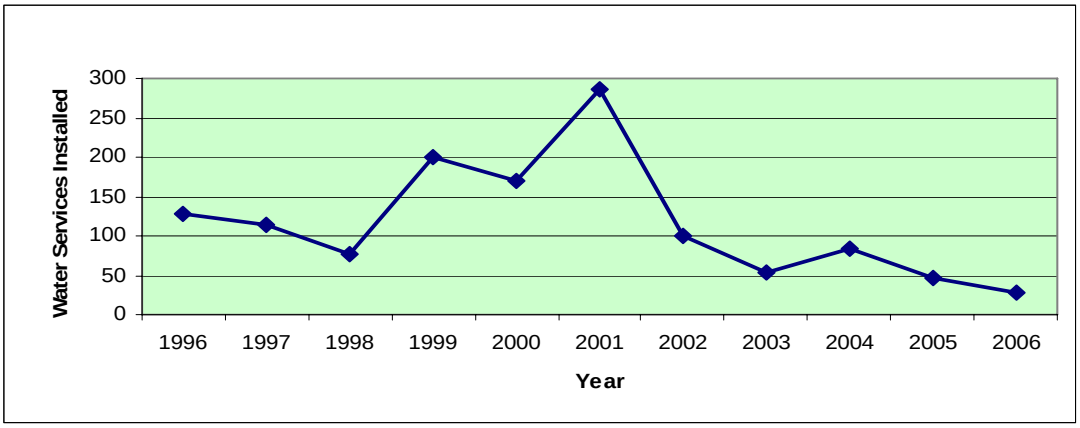
Table 4 lists the total sales accounts by category for the year 2006. Active service connections (active accounts) are defined as those for which the water meter has been installed and the District is billing the customer. This table demonstrates that the majority of accounts are residential, which corresponds with 60% of water sales (consumption) coming from residential accounts.

Table 4: Number of Accounts by Sales Category-2006

Sales Category	Number of Accounts
Floriculture	37
Restaurants	32
Commercial	286
Hotels and Motels	38
Schools	20
Multi-Family Residential	848
Single Family Residential	5448
Irrigation	48
Marine	24
Fire	739
Total	7520

Figure 4 illustrates the number of new water service connections installed on the District's water system for the past eleven years. In 2006, there were 29 new water connections installed. This figure does not include fire service connections.

Figure 4: Number of New Water Connections Installed (1996-2006)



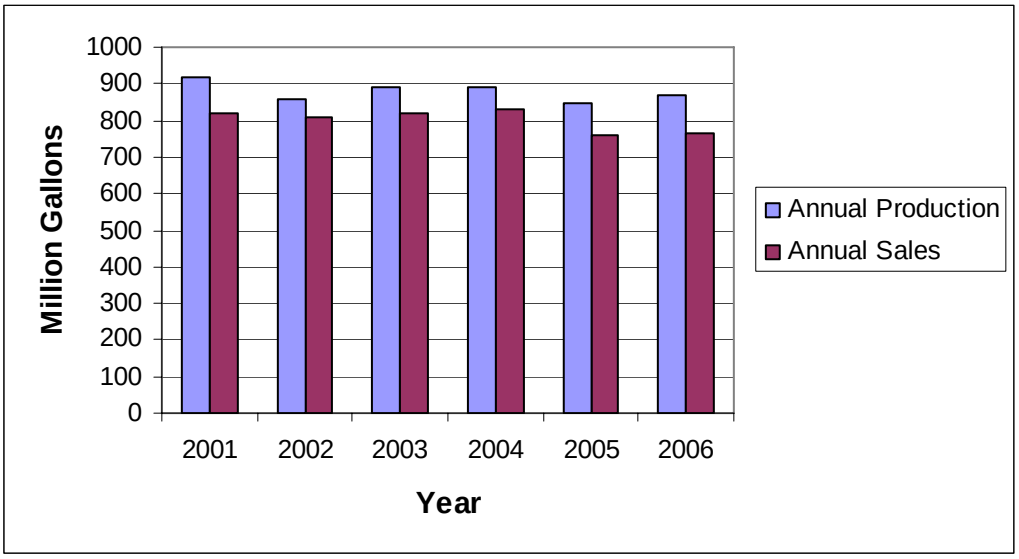
A summary of the Crystal Springs Connections is shown in Table 5. This table shows the total number and the type of connections permitted by the Crystal Springs Project – Coastal Development Permit and their status as of December 21, 2006.

Table 5: Crystal Springs Connections

Crystal Springs Water Supply Project				
Summary of all Crystal Springs Connections				
County of San Mateo Coastal Development Permit Conditions				
	Number of Connections	5/8th Equivalents	Priority	Non-Priority
Total Permitted by CSP-CDP	3,546.0	3,546.0	1,043.0	2,503.0
Total Sold and Uninstalled			111.5	1,133.0
Total Sold and Installed			549.5	1,298.0
Amount Reserved				72.0
Amount Reserved CSP-CDP			202.5	
Total Unsold Priority			179.5	
12/31/2006				

Figure 5 illustrates the annual production versus the annual sales from the last six years (2001-2006). Appendix E contains a table that compares consumption and production for single family accounts since 1975. Appendix C presents a table that has a comparison of sales and production, since 1975. More water must be produced than sold because of water lost within the distribution system between the supply sources and the customers' water meters.

Figure 5: Annual Sales vs. Production (2001-2006)



Un-metered Water

Based on the American Water Works Association (AWWA), the generally accepted industry standard for unaccounted for (un-metered) water is from 7%-15%. The District's goal is to keep unaccounted for water losses as minimal as possible. During 2006, the amount of unaccounted for water was 11% of the amount of water produced and delivered to the distribution system.

According to the Memorandum of Understanding with the California Urban Water Conservation Council (CUWCC), unaccounted water loss should be no more than 10% of total water into the water supplier's system. Unauthorized losses include pipeline leaks, unauthorized connections, theft, water meter inaccuracy, accounting procedure errors, and tank overflows (distribution system malfunctions). The District has an on-going program to reduce the amount of unaccounted for water losses through pipeline leakage and water meter inaccuracy. Water loss cannot be totally eliminated because there is no way to eliminate leaking pipes and system malfunctions.

The difference between the water produced and delivered to the distribution system (859.3 MG) and water sold (765.2 MG) is 94.1 MG. This amount of 94.1 MG is un-metered water use that is both authorized and unauthorized water use. Typically, un-metered water use that is characterized as authorized is from fire hydrants and includes; fire training, fire suppression, sewer flushing, and main flushing. Unauthorized (un-metered) water use could be from theft, accounting errors, and leaks.

(A) Pipeline Leakage

While there are no known pipelines that are currently losing a significant amount of water from leakage, there are numerous identified areas with old pipelines that often develop minor leaks resulting in losses of water. Implementation of pipeline replacement projects is dependent upon funding as part of the annual Capital Improvement Program. While all observed (visible) pipeline leaks are repaired by the District field staff, water from undetected (invisible) leaks percolates downward into the soil and is lost.

(B) Water Meter Inaccuracy

Authorized metered use is a term used to describe the metered deliveries of water to customers. The term "meter inaccuracy" describes water that flows through a water meter but is undetected. As meters age and get worn out, they will under register water consumption. Meters will start to register a flow lower than the actual, causing undetected water to flow through the meter. Water auditing methodology (AWWA M36) allows for a correction to be made in consumption figures for each meter type and size, if meter testing is in place. Correcting the actual consumption figures can give the district a more accurate accounting of actual leakage or water loss in the distribution system. The District tries to replace old meters every year with new ones to reduce the amount of water lost and unread within the system. The meter replacement program, as currently budgeted, tries to maintain the maximum meter age at 15 years, a duration that is considered acceptable from an accuracy standpoint for single family residential meters. Larger commercial meters for customers with high demand should be replaced and tested more frequently such as every 3 to 5 years.

Peak Daily Demands

In addition to meeting annual water supply requirements, the system must have sufficient transmission pipeline capacity between the supply sources and the distribution system to convey the volume of water required to meet the peak day demands which occur during periods of hot weather or events such as fire suppression. The annual episodes of significant peak demand that have occurred since 1980 are tabulated in Appendix F.

For 2006, peak daily demand was chosen by reviewing the three months that had the highest production and consumption. From these three months, the top seven days of peak production were chosen.

The district is in the process of developing a hydraulic model for the distribution system and upgrading the data logger to a SCADA /Telemetry system. These tools will help the District calculate and track peak demand in the future.

IV. Analysis of System

As noted previously in this report, the adequacy of the water system to meet the requirements of its customers must be evaluated with regard to both current annual demands and peak demands.

Annual Demand

It is important to understand that gross production demand does not reflect the amount of water taken from the water sources. Approximately 12.81 MG from the Denniston Treatment Plant was recycled back into the aquifer (water source).

The total current supply capability of the District's water supply sources to meet annual demands has previously been stated in Section II to be 760 MG on a drought yield basis and 1,120 MG on a normal yield (average precipitation) basis. The production requirement for year 2006 was 880 MG. The available water supply during non-drought years is above the District's current requirements.

However, during drought years the current demand of 880 MG exceeds the estimated drought yield supply of 760 MG by 120 MG, which would require a cutback of approximately 14%. During the most recent drought (1989-1992), San Francisco Public Utilities Commission mandated a 20-25% reduction of water use by each of its suburban customers. Should another water reduction occur, the District will refer to its Water Shortage Contingency Plan (June 2005) in order to achieve the required reduction.

The calendar year of 2006 included two water years. The water year of 2005 (October 1, 2005 to September 30, 2006) was considered a wet year with above normal precipitation amounts. The water year of 2006 (October 1, 2006 to September 30, 2007) was considered critically dry.

Demand Management

The District practices demand management during normal water years by implementing water conservation programs. Water conservation programs are tracked and reported on a fiscal year to the California Urban Water Conservation Council. The District signed a memorandum of understanding (MOU) to implement the demand management best management practices. Table 6 lists the best management practices that the District has committed to implement.

Table 6: Best Management Practices – Water Conservation

California Urban Water Conservation Council
Water Survey Programs for Single Family and Multi-Family Residential Customers
Residential Plumbing Retrofits
System Wide Audits, Leak Detection and Repair
Metering with Commodity Rates for all New Connections and Retrofit of Existing
Large Landscape Conservation Programs and Incentives
High Efficiency Washing Machine Rebate Programs
Public Information Programs
School Education Programs
Commercial, Industrial and Institutional Conservation Programs
Conservation Pricing (Rates)
Conservation Coordinator
Water Waste Prohibitions
Ultra Low Flow Toilets – Residential Replacement Programs

Appendix H of this report contains data on the consumption of appliances and fixtures for both ultra low flow and high efficiency. Plumbing fixtures are regulated by state and federal standards. In California, ultra low flow standards have been in place for new construction, since 1992. In 1994, these standards were adopted nation wide as part of the U.S Energy Policy Act. In the last few years, water conservation technologies have advanced and there are now fixtures and appliances that are rated as high efficiency

because they exceed the current mandated standards. The Environmental Protection Agency has sponsored programs and partnerships to encourage manufacturers to exceed current mandated standards.

The District participates with and coordinates water conservation programs (demand management programs) and activities with the Bay Area Water Supply and Conservation Agency (BAWSCA). In 2006, the District participated with BAWSCA and participated in a regional high efficiency clothes washer rebate program, a large landscape audit program, and an elementary school education program. The district managed its own toilet rebate program in 2006.

Capitol Improvement Projects

In 2006, the District completed the Avenue Balboa Project, the Nunes Treatment Plant Influent Flow Meter Project, the Nunes Influent Valve Project, The Denniston Backwash Return Project and the Carter Hill West Project.

In progress are the Nunes Backwash Flow Meter Project, the Nunes Filter Media Replacement Project, SCADA/Telemetry Upgrades, Office Equipment Upgrades, and the Nunes Filter Backwash Valves. Phase III of the El Granada pipeline replacement project is in progress and scheduled to be complete in spring of 2008.

V. Summary

The water system continues to operate reliably. In 2006, the District produced a gross total 880 million gallons of water and sold 765 million gallons to its customers.

Appendices

Monthly Production of Water Supply Sources in MG
1972

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	0.0	0.0	6.2	13.0	19.2
February	0.0	0.0	12.0	17.6	29.6
March	0.0	0.0	9.3	6.3	15.6
April	0.0	0.0	22.9	0.0	22.9
May	0.0	0.0	35.1	0.0	35.1
June	0.0	0.0	39.3	0.0	39.3
July	0.0	0.0	47.0	0.0	47.0
August	0.0	0.0	45.4	0.0	45.4
September	0.0	0.0	45.9	0.0	45.9
October	0.0	0.0	48.6	0.0	48.6
November	0.0	0.0	18.3	24.2	42.5
December	0.0	0.0	4.7	27.4	32.1
Total	**0.0**	**0.0**	**334.7**	**88.5**	**423.2**
Total %	**0.0%**	**0.0%**	**79.1%**	**20.9%**	**100.0%**

Monthly Production of Water Supply Sources in MG
1973

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	0.0	0.0	0.0	19.3	19.3
February	0.0	0.0	0.0	23.3	23.3
March	0.0	0.0	0.0	30.1	30.1
April	0.0	0.0	0.9	21.8	22.7
May	0.0	0.0	19.1	4.1	23.2
June	0.0	0.0	49.7	0.0	49.7
July	0.0	0.0	59.0	0.0	59.0
August	0.0	0.0	61.1	0.0	61.1
September	0.0	0.0	60.6	0.0	60.6
October	0.0	0.0	36.7	0.0	36.7
November	4.3	0.0	22.7	17.9	44.9
December	4.4	0.0	0.0	20.4	24.8
Total	**8.7**	**0.0**	**309.8**	**136.9**	**455.4**
Total %	**1.9%**	**0.0%**	**68.0%**	**30.1%**	**100.0%**

Monthly Production of Water Supply Sources in MG
1974

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	9.9	0.0	0.4	23.0	33.3
February	12.2	0.0	0.2	12.2	24.6
March	12.5	0.0	0.0	21.8	34.3
April	16.5	0.0	1.0	11.4	28.9
May	34.4	0.0	3.6	0.0	38.0
June	33.7	0.0	13.0	0.0	46.7
July	32.8	0.0	14.7	0.0	47.5
August	27.0	0.0	14.6	0.0	41.6
September	23.4	0.0	18.8	0.0	42.2
October	22.9	0.0	18.4	0.0	41.3
November	19.6	0.0	11.8	5.8	37.2
December	19.6	0.0	2.1	7.0	28.7
Total	**264.5**	**0.0**	**98.6**	**81.2**	**444.3**
Total %	**59.5%**	**0.0%**	**22.2%**	**18.3%**	**100.0%**

Monthly Production of Water Supply Sources in MG
1975

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	24.6	0.0	0.2	12.1	36.9
February	15.8	0.0	0.2	15.1	31.1
March	22.3	0.0	0.2	16.8	39.3
April	31.5	0.0	0.0	0.0	31.5
May	34.1	0.0	4.0	0.0	38.1
June	21.4	0.0	21.2	0.0	42.6
July	21.5	0.0	22.9	0.0	44.4
August	21.7	0.0	27.4	0.0	49.1
September	29.9	0.0	23.5	0.0	53.4
October	27.1	0.0	17.7	0.0	44.8
November	21.5	0.0	8.3	9.2	39.0
December	24.8	0.0	0.0	7.1	31.9
Total	**296.2**	**0.0**	**125.6**	**60.3**	**482.1**
Total %	**61.4%**	**0.0%**	**26.1%**	**12.5%**	**100.0%**

Monthly Production of Water Supply Sources in MG
1976

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	19.0	1.0	1.9	4.1	26.0
February	25.8	1.0	9.3	5.2	41.3
March	17.6	3.4	2.0	6.5	29.5
April	23.6	3.1	4.4	0.0	31.1
May	8.9	5.5	30.3	0.0	44.7
June	1.0	6.6	37.7	0.0	45.3
July	2.7	6.2	37.7	0.0	46.6
August	7.8	5.8	35.8	0.0	49.4
September	23.0	5.6	20.3	0.0	48.9
October	7.8	5.4	21.1	0.0	34.3
November	8.1	6.2	22.1	7.8	44.2
December	9.5	6.1	13.2	5.1	33.9
Total	**154.8**	**55.9**	**235.8**	**28.7**	**475.2**
Total %	**32.6%**	**11.8%**	**49.6%**	**6.0%**	**100.0%**

* Voluntary water rationing (prohibition of nonessential water use) and water service connection moratorium enacted May 25,

Monthly Production of Water Supply Sources in MG
1977

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	22.0	0.0	10.3	3.7	36.0
February	13.2	6.3	11.7	1.2	32.4
March	10.1	5.5	9.7	4.2	29.5
April	9.5	5.6	6.1	0.0	21.2
May	5.6	5.6	10.8	0.0	22.0
June	2.7	5.9	13.8	0.0	22.4
July	1.1	5.2	18.9	0.0	25.2
August	1.5	5.5	29.2	0.0	36.2
September	4.8	5.4	22.6	0.0	32.8
October	9.6	5.9	17.5	0.0	33.0
November	13.9	6.3	15.5	0.0	35.7
December	7.3	6.1	8.5	7.4	29.3
Total	**101.3**	**63.3**	**174.6**	**16.5**	**355.7**
Total %	**28.5%**	**17.8%**	**49.1%**	**4.6%**	**100.0%**

*Mandatory water rationing enacted April 12, 1977

Monthly Production of Water Supply Sources in MG

1978

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	14.6	0.0	1.8	13.7	30.1
February	12.5	0.0	0.0	10.3	22.8
March	15.0	0.0	0.0	14.0	29.0
April	25.0	0.0	0.0	0.0	25.0
May	32.8	0.6	0.6	4.9**	34.0
June	16.7	7.3	12.6	0.0	36.6
July	22.8	7.2	20.9	0.0	50.9
August	15.1	5.2	23.0	0.0	43.3
September	16.0	6.2	29.2	0.0	51.4
October	18.6	6.4	22.2	0.0	47.2
November	22.5	4.5	15.8	2.2	45.0
December	21.0		4.9	3.4	29.3
Total	**232.6**	**37.4**	**131.0**	**48.5**	**449.5**
Total %	**51.7%**	**8.3%**	**29.1%**	**10.8%**	**100.0%**

*Water rationing suspended March 29, 1978

** Temporary diversion permit issued by State Division of Water Rights

Monthly Production of Water Supply Sources in MG
1979

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	19.4	0.0	2.5	11.6	33.5
February	17.9	0.1	1.0	12.0	31.0
March	19.8	0.2	0.4	11.8	32.2
April	29.7	0.0	0.5	0.0	30.2
May	34.9	0.0	4.4	0.0	39.3
June	32.0	0.0	14.4	0.0	46.4
July	23.6	9.4	26.0	0.0	59.0
August	19.4	9.4	23.4	0.0	52.2
September	18.0	7.7	33.4	0.0	59.1
October	12.3	10.6	31.5	0.0	54.4
November	17.0	6.1	12.8	12.3	48.2
December	23.5	0.6	1.7	11.8	37.6
Total	**267.5**	**44.1**	**152.0**	**59.5**	**523.1**
Total %	**51.1%**	**8.4%**	**29.1%**	**11.4%**	**100.0%**

Monthly Production of Water Supply Sources in MG

1980

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	19.0	0.0	0.9	14.8	34.7
February	27.1	0.9	1.0	18.0	47.0
March	14.1	0.3	1.1	20.3	35.8
April	21.9	2.2	0.0	0.0	24.1
May	29.9	0.0	0.0	1.0*	29.9
June	31.8	0.0	14.7	0.0	46.5
July	28.6	0.0	21.0	0.0	49.6
August	21.3	7.0	23.7	0.0	52.0
September	24.6	5.4	20.5	0.0	50.5
October	25.2	3.8	19.0	0.0	48.0
November	20.8	6.8	15.2	3.0	45.8
December	27.0	0.0	6.2	4.3	37.5
Total	**291.3**	**26.4**	**123.3**	**61.4**	**502.4**
Total %	**58.0%**	**5.3%**	**24.5%**	**12.2%**	**100.0%**

*Water released down Pilarcitos Creek by SFPUC during period of high turbidity at Stone Dam Reservoir

Monthly Production of Water Supply Sources in MG
1981

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	23.4	0.0	5.6	18.0	47.0
February	23.1	0.5	1.2	9.7	34.5
March	18.8	0.0	0.0	12.8	31.6
April	28.4	0.1	2.0	0.0	30.5
May	25.8	0.0	17.5	0.0	43.3
June	11.6	7.4	28.6	0.0	47.6
July	11.2	7.7	43.4	0.0	62.3
August	5.3	9.6	40.5	0.0	55.4
September	6.2	9.8	39.3	0.0	55.3
October	10.0	9.0	9.7	0.0	28.7
November	12.2	7.9	9.8	4.3	34.2
December	24.3	4.1	14.6	18.8	61.8
Total	**200.3**	**56.1**	**212.2**	**64.6**	**532.2**
Total %	**37.6%**	**10.5%**	**39.9%**	**12.1%**	**100.0%**

Monthly Production of Water Supply Sources in MG

1982

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	10.0	6.2	*	23.8	40.0
February	3.8	8.2	*	21.9	33.9
March	5.2	6.8	*	20.1	32.1
April	6.4	8.6	*	24.4**	39.4
May	2.7	10.3	*	23.3**	36.3
June	26.7	1.7	2.3	0.0	30.7
July	28.1	0.0	41.6	0.0	69.7
August	23.1	6.7	45.9	0.0	75.7
September	12.6	5.6	39.5	0.0	58.0
October	9.0	5.5	34.6	0.0	49.1
November	13.8	0.9	8.2	7.8	30.7
December	10.5	1.7	2.8	17.6	32.6
Total	**151.9**	**62.5**	**174.9**	**138.9**	**528.2**
Total %	**28.8%**	**11.8%**	**33.1%**	**26.3%**	**100.0%**

*SFPUC meter inoperative

**SFPUC released water from Stone Dam (upstream)

Monthly Production of Water Supply Sources in MG
1983

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	11.7	1.8	0.8	20.5	34.8
February	7.1	3.9	1.0	19.1	31.1
March	0.1	2.2	0.0	18.3	20.6
April	13.8	2.3	17.2	10.2	43.5
May	25.2	0.0	22.9	0.0	48.1
June	31.8	0.0	32.3	0.0	64.1
July	35.4	0.0	39.6	0.0	75.0
August	30.4	1.0	36.9	0.0	68.3
September	30.8	5.0	34.8	0.0	70.6
October	21.1	2.1	30.1	0.0	53.3
November	12.6	5.5	14.7	7.6	40.4
December	11.3	8.3	1.7	18.5	39.8
Total	**231.3**	**32.1**	**232.0**	**94.2**	**589.6**
Total %	**39.2%**	**5.4%**	**39.3%**	**16.0%**	**100.0%**

Monthly Production of Water Supply Sources in MG

1984

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	6.4	7.3	12.6	16.2	42.5
February	19.2	0.0	14.6	5.2	39.0
March	23.0	0.0	12.1	11.9	47.0
April	24.9	0.0	18.2	0.0	43.1
May	25.8	1.4	30.5	0.0	57.7
June	21.3	5.6	46.6	0.0	73.5
July	12.7	7.3	46.0	0.0	66.0
August	11.6	7.0	49.1	0.0	67.7
September	9.7	7.4	54.5	0.0	71.6
October	17.4	1.6	47.1	0.0	66.1
November	11.8	4.4	26.6	9.0	51.8
December	8.8	7.5	10.5	22.2	49.0
Total	**192.6***	**49.5**	**368.4**	**64.5**	**675.0***
Total %	**28.5%**	**7.3%**	**54.6%**	**9.6%**	**100.0%**

*Includes approximately 40 mg used for filter backwashing at the Denniston WTP

Monthly Production of Water Supply Sources in MG
1985

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	14.1	5.2	6.3	18.7	44.3
February	12.4	3.8	6.5	15.1	37.8
March	18.9	2.3	12.0	14.9	48.1
April	16.4	1.9	14.2	0.0	32.5
May	27.2	0.0	37.9	0.0	65.1
June	24.7	1.2	36.3	0.0	62.2
July	16.2	5.0	46.5	0.0	67.7
August	18.1	6.9	42.8	0.0	67.8
September	18.1	0.6	50.0	0.0	68.7
October	12.8	6.1	42.3	0.0	61.2
November	18.2	1.5	39.8	11.0	70.5
December	13.0	5.4	10.1	8.2	36.7
Total	**210.4***	**39.9**	**344.4**	**67.9**	**662.6***
Total %	**31.8%**	**6.0%**	**52.0%**	**10.2%**	**100.0%**

*Includes approximately 13 mg used for filter backwashing at the Denniston WTP

Monthly Production of Water Supply Sources in MG

1986

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	12.00	3.91	14.61	15.29	45.81
February	8.30	4.85	12.38	15.16	40.69
March	13.10	6.17	34.95	13.94	68.16
April	21.70	6.58	42.12	2.82	73.22
May	21.70	4.57	48.72	0.00	74.99
June	28.50	0.00	55.08	0.00	83.58
July	21.50	7.44	48.91	0.00	77.85
August	24.00	4.38	49.96	0.00	78.34
September	14.20	5.22	43.60	0.00	63.02
October	8.23	6.70	43.02	0.00	57.95
November	13.83	6.41	29.16	5.43	54.83
December	15.45	4.57	20.73	6.71	47.46
Total	**202.51**	**60.80**	**443.24**	**59.35**	**765.90***
Total %	**26.4%**	**7.9%**	**57.9%**	**7.7%**	**100.0%**

*Includes 18 mg used for filter backwashing at the Denniston WTP

Monthly Production of Water Supply Sources in MG
1987

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	12.05	5.13	23.50	10.03	50.71
February	11.70	4.90	17.20	15.06	48.86
March	12.42	4.92	22.60	15.30	55.24
April	18.11	5.19	43.50	0.00	66.80
May	19.26	5.16	51.60	0.00	76.02
June	13.18	5.05	56.10	0.00	74.33
July	11.75	5.59	68.00	0.00	85.34
August	10.96	3.34	65.50	0.00	79.80
September	5.54	2.40	53.00	0.00	60.94
October	8.72	3.59	40.90	0.00	53.21
November	11.11	3.80	16.70	8.52	40.13
December	7.05	6.11	16.07	12.67	41.90
Total	**141.85**	**55.18**	**474.67**	**61.58**	**733.28***
Total %	**19.3%**	**7.5%**	**64.7%**	**8.4%**	**100.0%**

*Includes 18 mg used fro filter backwashing at the Denniston WTP

Monthly Production of Water Supply Sources in MG

1988

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	9.04	4.84	14.64	15.73	44.25
February	13.44	3.43	24.39	10.80	52.06
March	16.12	4.43	39.88	6.75	67.18
April	10.98	5.33	41.13	0.00	57.44
May	13.94	4.33	39.48	0.00	57.75
June	13.13	2.52	40.56	0.00	56.21
July	7.34	4.37	54.26	0.00	65.97
August	8.50	3.78	44.15	0.00	56.43
September	6.39	4.09	40.75	0.00	51.23
October	11.95	3.19	28.87	0.00	44.01
November	13.06	1.96	14.52	7.52	37.06
December	12.99	3.42	13.45	12.71	42.57
Total	**136.88***	**45.69**	**396.08**	**53.51**	**632.16***
Total %	**21.7%**	**7.2%**	**62.7%**	**8.5%**	**100.0%**

*Includes 18 mg used for filter backwashing at the Denniston Creek WTP
Note: Voluntary and mandatory water rationing in effect during year

Monthly Production of Water Supply Sources in MG
1989

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	10.59	3.28	10.64	12.58	37.09
February	10.98	3.86	10.35	11.31	36.50
March	8.09	4.27	20.10	15.26	47.72
April	18.95	3.75	22.73	0.00	45.43
May	21.08	3.27	29.50	0.00	53.85
June	16.71	0.82	42.67	0.00	60.20
July	16.79	1.79	49.16	0.00	67.74
August	12.58	7.02	49.40	0.00	69.00
September	13.54	5.59	40.68	0.00	59.81
October	12.65	4.56	34.41	0.00	51.62
November	15.57	5.35	30.41	4.59	55.92
December	16.61	4.31	30.27	0.84	52.03
Total	**174.14***	**47.87**	**370.32**	**44.58**	**636.91***
Total %	**27.3%**	**7.5%**	**58.1%**	**7.0%**	**100.0%**

*Includes 24 mg used for filter backwashing at the Denniston Creek WTP/ Note: mandatory water rationing in effect Jan-Apr

Monthly Production of Water Supply Sources in MG

1990

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	11.57	3.79	19.27	7.62	42.25
February	8.66	5.54	18.77	8.70	41.67
March	14.98	5.05	20.00	9.08	49.11
April	10.97	5.95	37.90	0.00	54.82
May	8.56	5.89	38.87	0.00	53.32
June	10.35	5.01	31.57	0.00	46.93
July	9.93	3.48	46.47	0.00	59.88
August	7.53	4.07	44.30	0.00	55.90
September	8.91	3.91	37.47	0.00	50.29
October	8.11	3.54	35.86	0.00	47.51
November	11.98	3.31	26.28	3.90	45.47
December	14.20	3.46	23.46	4.97	46.09
Total	**125.75**	**53.00**	**380.22**	**34.27**	**593.24**
Total %	**21.2%**	**8.9%**	**64.1%**	**5.8%**	**100.0%**

Note: Voluntary water rationing was in effect from Jan-Apr, and mandatory water rationing from May-Dec

Monthly Production of Water Supply Sources in MG
1991

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	6.23	2.44	20.26	4.29	33.22
February	9.61	3.22	14.70	7.78	35.31
March	9.25	3.52	6.77	11.47	31.01
April	14.31	3.94	21.99	0.00	40.24
May	9.88	4.23	28.17	0.00	42.28
June	11.23	3.96	34.22	0.00	49.41
July	5.26	4.12	31.10	0.00	40.48
August	7.93	3.81	36.63	0.00	48.37
September	6.38	3.47	39.76	0.00	49.61
October	4.30	3.73	30.31	0.00	38.34
November	9.90	3.32	23.41	3.59	40.22
December	5.78	3.31	16.21	5.39	30.69
Total	**100.06**	**43.07**	**303.53**	**32.52**	**479.18**
Total %	**20.9%**	**9.0%**	**63.3%**	**6.8%**	**100.0%**

Note: Mandatory water rationing was in effect throughout the year

Monthly Production of Water Supply Sources in MG

1992

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	11.01	2.54	16.45	8.82	38.82
February	7.93	3.16	3.37	10.37	24.83
March	12.50	4.10	13.55	13.36	43.51
April	23.32	0.13	24.13	0.00	47.58
May	20.65	0.51	26.64	0.00	47.80
June	19.94	4.57	28.92	0.00	53.43
July	22.33	4.32	40.16	0.00	66.81
August	13.00	4.11	44.79	0.00	61.90
September	9.47	4.95	36.66	0.00	51.08
October	8.30	5.58	30.79	0.00	44.67
November	9.46	4.18	15.78	6.11	35.53
December	9.62	4.53	5.75	12.55	32.45
Total	**167.53**	**42.68**	**286.99**	**51.21**	**548.41**
Total %	**30.5%**	**7.8%**	**52.3%**	**9.3%**	**100.0%**

Note: Mandatory water rationing was in effect throughout the year

Monthly Production of Water Supply Sources in MG
1993

	Denniston Project		SFPUC		
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Pilarcitos Wells**	**Monthly Total**
January	13.43	5.13	4.67	9.75	32.98
February	16.27	2.93	3.91	10.92	34.03
March	23.02	0.00	3.32	13.79	40.13
April	21.65	3.41	21.18	1.71	47.95
May	20.10	5.36	30.39	0.00	55.85
June	24.08	6.06	42.15	0.00	72.29
July	24.97	6.10	31.30	0.00	62.37
August	22.65	5.20	44.79	0.00	72.64
September	21.99	5.07	42.50	0.00	69.56
October	22.27	4.49	33.93	0.00	60.69
November	18.39	4.21	25.55	2.33	50.48
December	23.07	3.06	12.46	6.03	44.62
Total	**251.89***	**51.02**	**296.15**	**44.53**	**643.59***
Total %	**39.1%**	**7.9%**	**46.0%**	**6.9%**	**100.0%**

*Includes 75.44 mg in-plant water use at the Denniston WTP. Actual net production from all sources = 568.15 mg

Note: Mandatory water rationing was in effect Jan 1 through April 13, 1993

Monthly Production of Water Supply Sources in MG

1994

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	21.70	2.21	13.92	0.00	3.99	41.82
February	19.48	3.82	5.26	0.00	8.36	36.92
March	20.72	4.62	16.33	0.00	8.72	50.39
April	19.53	4.58	29.62	0.00	0.00	53.73
May	15.58	3.84	32.04	0.00	0.00	51.46
June	17.56	4.10	48.95	0.00	0.00	70.61
July	13.03	4.12	48.56	0.00	0.00	65.71
August	12.63	3.75	53.28	0.00	0.00	69.66
September	10.45	3.06	9.86	37.65	0.00	61.02
October	12.64	2.30	0.00	40.37	0.00	55.31
November	16.93	2.61	0.00	19.78	6.30	45.62
December	17.28	3.17	11.16	0.00	11.72	43.33
Total	**197.53***	**42.18**	**268.98**	**97.80**	**39.09**	**645.58***
Total %	**30.6%**	**6.5%**	**41.7%**	**15.1%**	**6.1%**	**100.0%**

* Includes 62.01 mg for in-plant uses at the Denniston WTP. The actual total net production from all sources = 583.57 mg

Monthly Production of Water Supply Sources in MG
1995

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	13.60	3.50	5.73	0.00	14.41	37.24
February	12.60	3.27	3.18	0.00	17.05	36.10
March	19.08	4.24	7.04	0.00	15.35	45.71
April	16.77	4.59	23.40	0.00	0.00	44.76
May	19.01	5.03	27.50	0.00	0.00	51.54
June	19.00	4.00	37.60	0.00	0.00	60.60
July	22.26	5.34	53.10	0.00	0.00	80.70
August	20.39	3.97	52.30	0.00	0.00	76.66
September	16.91	5.73	49.71	0.00	0.00	72.35
October	13.70	4.96	52.54	0.00	0.00	71.20
November	11.96	4.85	41.83	11.47	0.00	70.11
December	11.83	5.34	17.01	6.74	2.00	42.92
Total	**197.11***	**54.82**	**370.94**	**18.21**	**48.81**	**689.89**
Total %	**28.6%**	**7.9%**	**53.8%**	**2.6%**	**7.1%**	**100.0%**

*Includes 44.11 mg for in-plant uses at the Denniston WTP. The actual total net production from all sources = 645.78 mg

Monthly Production of Water Supply Sources in MG

1996

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	11.30	3.10	12.30	0.00	14.60	41.30
February	12.70	6.13	5.20	0.00	16.71	40.74
March	20.12	2.88	6.71	0.00	21.19	50.90
April	20.79	0.00	34.90	0.00	0.00	55.69
May	27.98	0.00	44.71	0.00	0.00	72.69
June	26.15	0.00	51.10	0.00	0.00	77.25
July	25.50	0.00	51.69	0.00	0.00	77.19
August	22.61	0.00	48.50	0.00	0.00	71.11
September	24.83	0.00	55.58	0.00	0.00	80.41
October	22.38	0.00	44.50	0.00	0.00	66.88
November	22.20	0.00	18.54	4.91	0.77	46.42
December	15.17	0.00	0.00	5.24	13.58	33.99
Total	**251.73***	**12.11**	**373.73**	**10.15**	**66.85**	**714.57***
Total %	**35.2%**	**1.7%**	**52.3%**	**1.4%**	**9.4%**	**100.0%**

* Includes 45.23 mg for in-plant uses at the Denniston WTP. The actual total net production from all sources = 669.34 mg

Monthly Production of Water Supply Sources in MG
1997

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	7.33	0.00	3.21	0.00	26.58	37.12
February	14.58	0.00	12.92	0.00	20.74	48.24
March	19.29	0.00	24.43	0.00	16.10	59.82
April	25.34	0.00	48.75	0.00	0.00	74.09
May	25.71	0.00	59.60	0.00	0.00	85.31
June	26.16	0.00	71.34	0.00	0.00	97.50
July	23.74	3.65	67.83	0.00	0.00	95.22
August	21.72	5.26	69.92	0.00	0.00	96.90
September	19.74	3.91	69.70	0.00	0.00	93.35
October	17.31	4.17	55.80	3.38	0.00	80.66
November	16.16	4.20	5.22	33.08	1.62	60.28
December	12.25	4.84	16.44	0.00	10.48	44.01
Total	**229.33***	**26.03**	505.16	**36.46**	**75.52**	**872.50***
Total %	**26.3%**	**3.0%**	**57.9%**	**4.2%**	**8.6%**	**100.0%**

*Includes 43.47 mg for in-plant uses at the Denniston WTP. The actual total net production from all sources = 829.03 mg

Monthly Production of Water Supply Sources in MG

1998

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	7.52	2.26	7.38	0.00	24.06	41.22
February	1.38	0.54	10.32	0.00	28.37	40.61
March	14.31	2.21	12.95	0.00	17.81	47.28
April	17.04	2.65	35.70	0.10	0.00	55.49
May	24.12	0.00	38.13	0.00	0.00	62.25
June	23.20	0.00	45.84	5.45	0.00	74.49
July	25.57	0.00	54.82	5.13	0.00	85.52
August	25.89	0.00	63.88	8.91	0.00	98.68
September	25.37	0.00	53.62	10.01	0.00	89.00
October	23.17	0.00	53.63	3.61	0.00	80.41
November	19.08	0.00	20.50	12.54	1.11	53.23
December	21.14	0.00	26.21	0.80	6.70	54.85
Total	**227.79***	**7.66**	**422.98**	**46.55**	**78.05**	**783.03***
Total %	**29.1%**	**1.0%**	**54.0%**	**5.9%**	**10.0%**	**100.0%**

*Includes 36.41 mg for in-plant uses at the Denniston WTP. The actual total net production from all sources = 746.62 mg

Monthly Production of Water Supply Sources in MG
1999

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	20.84	0.00	31.62	0.00	7.22	59.68
February	12.96	1.72	13.64	0.00	17.41	45.73
March	19.84	0.00	19.50	0.00	16.00	55.34
April	18.39	0.00	44.98	0.00	0.00	63.37
May	25.10	0.54	52.18	5.38	0.00	83.20
June	23.41	0.00	53.57	7.61	0.00	84.59
July	27.15	0.38	61.95	6.42	0.00	95.90
August	22.66	0.95	43.17	6.59	0.00	73.37
September	25.13	0.00	0.00	65.48	0.00	90.61
October	25.46	0.37	0.00	62.73	0.00	88.56
November	22.95	0.00	13.50	16.54	0.00	52.99
December	20.43	0.14	20.83	4.71	0.77	46.88
Total	**264.32***	**4.10**	**354.94**	**175.46**	**41.40**	**840.22***
Total %	**31.5%**	**0.5%**	**42.2%**	**20.9%**	**4.9%**	**100.0%**

*Includes 40.95 mg for in-plant uses at the Denniston WTP. The actual total net production from all sources = 799.27 mg

Monthly Production of Water Supply Sources in MG

2000

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	17.59	0.99	2.83	15.26	8.24	44.91
February	3.20	4.33	7.40	0.00	18.28	33.21
March	9.45	3.22	7.11	0.00	20.66	40.44
April	24.05	1.63	49.48	3.46	0.00	78.62
May	25.04	0.81	38.86	3.98	0.00	68.69
June	20.57	0.00	50.00	8.57	0.00	79.14
July	24.56	0.00	56.11	5.85	0.00	86.52
August	23.73	0.00	67.08	7.09	0.00	97.90
September	24.44	2.33	0.00	70.83	0.00	97.60
October	17.54	2.75	0.00	54.57	0.00	74.86
November	18.86	2.71	0.00	42.15	0.00	63.72
December	18.66	2.63	0.00	32.15	5.46	58.90
Total	**227.69***	**21.40**	**278.87**	**243.91**	**52.65**	**824.51***
Total %	**27.6%**	**2.6%**	**33.8%**	**29.6%**	**6.4%**	**100.0%**

*Includes 45.73 mg for in-plant uses at Denniston WTP. The actual total net production from all sources = 778.78 mg

Monthly Production of Water Supply Sources in MG
2001

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	20.13	3.09	29.07	0.00	8.97	61.26
February	17.71	1.26	28.43	0.00	6.68	54.08
March	15.40	4.44	36.73	0.00	6.64	63.21
April	19.66	1.54	47.49	2.13	0.00	70.82
May	22.38	0.00	66.05	8.55	0.00	96.98
June	18.79	3.10	38.14	40.10	0.00	100.13
July	16.48	6.45	0.00	81.61	0.00	104.54
August	12.30	6.13	92.80	33.92	0.00	145.15
September	11.96	5.79	62.35	8.50	0.00	88.60
October	15.03	5.05	0.00	66.59	0.00	86.67
November	19.37	4.05	0.00	36.65	0.00	60.07
December	17.81	5.64	14.48	3.15	10.72	51.80
Total	**207.02***	**46.54**	**415.54**	**281.20**	**33.01**	**983.31***
Total %	**21.0%**	**4.7%**	**42.3%**	**28.6%**	**3.4%**	**100.0%**

* Includes 67.1 mg for in-plant uses at the Denniston WTP. The actual total net production from all sources = 916.22 mg

Monthly Production of Water Supply Sources in MG

2002

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	11.37	5.21	14.99	0.00	10.99	42.56
February	12.34	5.38	23.17	0.00	7.51	48.40
March	14.70	5.81	31.84	0.00	10.37	62.72
April	12.70	5.00	48.92	0.00	0.00	66.62
May	13.50	4.67	61.53	6.28	0.00	85.98
June	18.02	4.11	64.42	7.28	0.00	93.83
July	24.20	3.83	68.10	6.64	0.00	102.77
August	19.83	4.52	17.81	52.07	0.00	94.23
September	15.82	4.75	0.00	71.39	0.00	91.96
October	16.62	4.89	23.66	41.39	0.00	86.56
November	17.91	4.30	51.38	1.67	0.00	75.26
December	11.20	2.56	32.56	0.52	7.69	54.53
Total	**188.21**	**55.03**	**438.38**	**187.24**	**36.56**	**905.42**
Total %	**20.8%**	**6.1%**	**48.4%**	**20.7%**	**4.0%**	**100.0%**

* Includes 47.33 mg for in-plant uses at the Denniston WTP. The actual total net production from all sources = 858.08 mg

Monthly Production of Water Supply Sources in MG
2003

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	8.84	3.97	21.29	0.12	16.71	50.93
February	8.69	3.18	28.00	0.19	10.15	50.21
March	19.22	3.04	40.27	0.00	5.37	67.90
April	23.35	2.47	52.41	0.00	0.00	78.23
May	15.87	3.71	46.64	1.21	0.00	67.43
June	18.02	5.21	58.36	15.95	0.00	97.54
July	23.78	4.18	0.00	81.11	0.00	109.07
August	37.94	6.92	0.00	87.25	0.00	132.11
September	24.83	4.97	0.00	87.78	0.00	117.58
October	25.09	5.13	0.00	66.08	0.00	96.30
November	15.35	5.41	0.00	46.06	0.00	66.82
December	14.63	3.65	3.53	0.00	5.12	26.93
Total	**235.61**	**51.84**	**250.50**	**385.75**	**37.35**	**961.05**
Total %	**24.5%**	**5.4%**	**26.1%**	**40.1%**	**3.9%**	**100.0%**

* Includes 70.42 mg for in-plant uses at the Denniston WTP. The actual total net production from all sources = 890.63 mg

Monthly Production of Water Supply Sources in MG
2004

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	8.84	3.75	22.11	8.42	11.53	54.65
February	6.88	3.43	32.09	0.20	9.96	52.56
March	14.39	3.65	39.88	2.52	7.99	68.43
April	15.10	3.22	56.19	17.13	0.00	91.64
May	20.09	3.01	48.68	9.73	0.00	81.51
June	24.28	2.76	0.69	80.69	0.00	108.42
July	16.53	5.10	0.00	84.95	0.00	106.58
August	15.47	4.36	0.00	71.00	0.00	90.83
September	13.95	3.85	0.00	73.68	0.00	91.48
October	13.44	2.51	0.00	56.38	0.00	72.33
November	15.63	2.24	0.00	41.12	0.88	59.87
December	10.71	4.12	29.47	10.76	5.32	60.38
Total	**175.31**	**42.00**	**229.11**	**456.58**	**35.67**	**938.67**
Total %	**18.7%**	**4.5%**	**24.4%**	**48.6%**	**3.8%**	**100.0%**

* Includes 45.95 mg for in-plant uses at the Denniston WTP. The actual total net production from all sources = 892.72 mg

Monthly Production of Water Supply Sources in MG
2005

	Denniston Project		San Francisco Public Utilities Commission			
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	13.18	1.94	29.97	0.00	8.04	53.13
February	11.30	2.95	28.76	0.00	7.06	50.07
March	11.69	4.42	37.79	0.00	7.97	61.87
April	11.05	4.00	52.13	0.00	0.00	67.18
May	12.70	3.82	60.70	0.00	0.00	77.22
June	13.18	3.90	63.12	5.16	0.00	85.36
July	14.50	3.37	68.46	7.70	0.00	94.03
August	14.31	3.31	64.28	7.71	0.00	89.61
September	15.53	3.76	0.00	62.20	0.00	81.49
October	14.75	2.29	0.00	51.40	0.00	68.44
November	10.26	2.15	0.00	51.70	0.49	64.60
December	1.06	0.12	0.00	46.00	4.65	51.83
Total	**143.51**	**36.03**	**405.21**	**231.87**	**28.21**	**844.83**
Total %	**17.0%**	**4.3%**	**48.0%**	**27.4%**	**3.3%**	**100.0%**

* Includes 22.10 mg for in-plant uses at the Denniston WTP. The actual total net production from all sources = 822.73 mg

Monthly Production of Water Supply Sources in MG*
2006

	Denniston Project		San Francisco Public Utilities Commission			Gross Production
Month	**Surface Water**	**Ground Water**	**Pilarcitos Lake**	**Crystal Springs Res.**	**Pilarcitos Wells**	**Monthly Total**
January	0.00	0.00	14.19	24.20	9.22	47.61
February	3.66	1.60	30.66	0.46	11.44	47.82
March	0.00	0.00	37.41	0.24	13.26	50.91
April	0.00	0.00	77.36	0.20	0.00	77.56
May	11.26	2.42	62.49	0.00	0.00	76.17
June	14.01	1.50	45.54	20.30	0.00	81.35
July	16.35	1.69	0.00	91.78	0.00	109.82
August	14.81	1.04	0.00	76.55	0.00	92.40
September	15.86	1.59	0.00	77.88	0.00	95.33
October	15.26	1.27	0.00	64.98	0.00	81.51
November	7.04	0.73	17.20	30.34	7.17	62.48
December	4.42	0.70	45.17	0.00	7.60	57.89
Total	**102.67**	**12.54**	**330.02**	**386.93**	**48.69**	**880.85**
Total %	**11.7%**	**1.4%**	**37.5%**	**43.9%**	**5.5%**	**100.0%**

*uncorrected raw production data

Annual Water Sales and Percentage of Annual Total by User Categories in MG

User Category	1975	% of Total	1976	% of Total	1977	% of Total	1978	% of Total	1979	% of Total
Floriculture	80.0	20.0	82.5	18.7	61.3	19.0	61.5	15.9	64.2	15.0
Beaches and Parks	3.6	0.9	3.7	0.8	2.9	0.9	3.0	0.8	3.3	0.8
Recreation	1.2	0.3	1.7	0.4	0.5	0.2	0.6	0.2	1.2	0.3
Marine Related	4.6	1.2	5.9	1.3	4.0	1.2	4.2	1.1	5.5	1.3
Restaurants	7.1	1.8	8.4	1.9	7.1	2.2	8.7	2.3	10.6	2.5
Commercial	24.2	6.1	23.2	5.2	13.5	4.2	19.8	5.1	20.8	4.9
Hotels & Motels	1.5	0.4	3.4	0.8	3.8	1.2	4.6	1.2	4.8	1.1
Schools	12.0	3.0	8.8	2.0	6.4	2.0	11.9	3.1	10.5	2.4
Multi-Family Dwellings	18.2	4.6	20.3	4.6	17.5	5.4	20.5	5.3	23.9	5.5
Residential	247.0	61.7	283.7	64.3	205.3	63.7	251.5	65.0	284.4	66.2
Irrigation										
Total Sales	**399.4**	100	**441.6**	100	**322.3**	100	**386.3**	100	**429.2**	100

User Category	1980	% of Total	1981	% of Total	1982	% of Total	1983	% of Total	1984	% of Total
Floriculture	62.2	13.8	66.8	14.0	80.1	16.3	83.3	15.8	94.4	16.7
Beaches and Parks	3.6	0.8	3.6	0.8	3.2	0.7	2.8	0.5	3.2	0.6
Recreation	2.3	0.5	2.2	0.5	2.2	0.4	2.6	0.5	3.3	0.6
Marine Related	2.8	0.6	5.3	1.1	5.2	1.1	4.9	0.9	6.8	1.2
Restaurants	10.8	2.4	11.8	2.5	12.2	2.5	9.7	1.8	10.7	1.9
Commercial	30.7	6.8	36.9	7.7	38.4	7.8	34.6	6.5	47.0	8.3
Hotels & Motels	4.1	0.9	4.1	0.9	5.6	1.1	5.0	1.0	6.0	1.0
Schools	8.9	2.0	9.0	1.9	8.2	1.7	7.7	1.5	10.1	1.7
Multi-Family Dwellings	27.2	6.0	27.6	5.8	30.2	6.1	28.3	5.5	35.8	6.4
Residential	297.1	66.2	309.0	64.8	305.8	62.3	347.4	66.0	347.6	61.6
Irrigation										
Total Sales	**449.7**	100	**476.3**	100	**491.1**	100	**526.3**	100	**564.9**	100

Annual Water Sales and Percentage of Annual Total by User Categories in MG

User Category	1985	% of Total	1986	% of Total	1987	% of Total	1988	% of Total	1989	% of Total
Floriculture	88.1	15.6	95.6	16.1	104.5	16.5	88.9	16.0	84.8	16.2
Beaches and Parks	4.5	0.8	5.0	0.8	5.3	0.8	3.5	0.6	2.4	0.5
Recreation	3.3	0.7	6.2	1.0	5.5	0.9	6.4	1.2	0.5	0.1
Marine Related	2.0	0.5	2.0	0.3	2.3	0.4	1.6	0.3	7.1	1.3
Restaurants	10.0	1.7	12.2	2.1	14.0	2.2	13.9	2.5	12.0	2.3
Commercial	36.1	6.3	36.1	6.1	44.1	7.0	38.3	6.9	39.7	7.6
Hotels & Motels	9.0	1.6	9.9	1.7	11.0	1.7	11.9	2.1	9.9	1.9
Schools	11.0	1.9	14.5	2.5	18.8	3.0	13.7	2.5	14.3	2.7
Multi-Family Dwellings	60.0	10.6	64.4	10.9	64.4	10.2	59.4	10.7	53.1	10.1
Residential	324.7	57.4	330.5	55.8	345.7	54.5	297.4	53.6	284.2	54.2
Irrigation	16.6	2.9	16.0	2.7	17.6	2.8	19.9	3.6	16.2	3.1
Total Sales	**565.3**	100	**592.4**	100	**633.2**	100	**554.9**	100	**524.2**	100

User Category	1990	% of Total	1991	% of Total	1992	% of Total	1993	% of Total	1994	% of Total
Floriculture	116.2	20.9	80.8	18.6	91.5	18.8	86.5	16.3	94.9	16.9
Beaches and Parks	3.0	0.5	0.6	0.2	1.7	0.3	3.0	0.6	3.1	0.6
Recreation	0.9	0.2	1.2	0.3	1.0	0.2	1.0	0.2	1.3	0.2
Marine Related	7.5	1.3	6.2	1.4	6.3	1.3	8.2	1.5	10.7	1.9
Restaurants	12.0	2.2	11.0	2.5	10.3	2.1	11.2	2.1	11.4	2.0
Commercial	44.8	8.1	36.2	8.3	35.1	7.2	34.2	6.5	35.4	6.2
Hotels & Motels	9.3	1.7	8.4	1.9	9.1	1.9	9.2	1.7	11.0	2.0
Schools	13.5	2.4	10.3	2.4	17.1	3.5	16.3	3.1	14.0	2.5
Multi-Family Dwellings	53.1	9.6	46.1	10.6	51.5	10.6	57.3	10.8	57.2	10.2
Residential	278.4	50.2	219.7	50.6	249.4	51.2	281.1	53.1	303.6	53.9
Irrigation	16.1	2.9	13.7	3.2	14.1	2.9	21.9	4.1	20.3	3.6
Total Sales	**554.8**	100	**434.2**	100	**487.1**	100	**529.9**	100	**562.9**	100

Annual Water Sales and Percentage of Annual Total by User Categories in MG

User Category	1995	% of Total	1996	% of Total	1997	% of Total	1998	% of Total	1999	% of Total
Floriculture	104.2	17.0	99.0	15.4	114.4	15.0	113.5	16.4	135.1	17.6
Beaches and Parks	3.4	0.6	3.3	0.5	4.0	0.5	3.2	0.5	3.9	0.5
Recreation	1.3	0.2	1.1	0.2	1.0	0.1	1.1	0.2	6.4	0.8
Marine Related	10.6	1.7	10.2	1.6	11.5	1.5	12.5	1.8	7.1	0.9
Restaurants	13.0	2.1	13.6	2.1	9.9	1.3	9.3	1.3	10.0	1.3
Commercial	38.7	6.3	42.7	6.7	45.7	6.0	46.4	6.7	56.9	7.4
Hotels & Motels	10.6	1.8	11.8	1.8	13.8	1.8	14.1	2.0	14.6	1.9
Schools	16.0	2.6	18.5	2.9	20.4	2.7	14.7	2.1	19.8	2.6
Multi-Family Dwellings	59.1	9.7	62.3	9.7	64.4	8.4	62.7	9.0	62.1	8.1
Residential	332.3	54.3	353.6	55.1	386.8	50.6	352.0	50.8	374.8	48.9
Irrigation	22.6	3.7	25.8	4.0	66.4	8.7	56.2	8.1	58.7	7.7
Portable Meter Sales					26.3	3.4	7.2	1.0	16.3	2.1
Total Sales	**611.8**	100	**641.9**	100	**764.6**	100	**692.9**	100	**765.7**	100

User Category	2000	% of Total	2001	% of Total	2002	% of Total	2003	% of Total	2004	% of Total
Floriculture	133.1	17.4	151.9	18.5	136.8	16.9	143.2	17.5	114.7	13.8
Beaches and Parks	6.3	0.8	4.5	0.5	5.1	0.6	4.1	0.5	4.5	0.5
Recreation	8.4	1.1	8.8	1.1	7.5	0.9	7.5	0.9	1.9	0.2
Marine Related	3.2	0.4	3.5	0.4	3.6	0.4	3.6	0.4	9.4	1.1
Restaurants	10.1	1.3	12.7	1.5	12.3	1.5	13.7	1.7	13.2	1.6
Commercial	70.8	9.3	53.9	6.6	52.3	6.5	48.5	5.9	58.4	7.0
Hotels & Motels	14.7	1.9	22.1	2.7	23.6	2.9	26.9	3.3	26.3	3.2
Schools	18.5	2.4	17.8	2.2	17.6	2.2	16.9	2.1	18.1	2.2
Multi-Family Dwellings	63.2	8.3	71.3	8.7	73.1	9.0	71.1	8.7	74.4	8.9
Residential	376.3	49.2	399.8	48.7	403.8	49.9	412.0	50.3	427.6	51.4
Irrigation	54.0	7.1	68.0	8.3	71.5	8.8	67.9	8.3	79.0	9.5
Portable Meter Sales	6.8	0.9	6.5	0.8	2.8	0.3	4.0	0.5	4.3	0.5
Total Sales	**765.4**	100	**820.8**	100	**810.0**	100	**819.4**	100	**831.8**	100

Annual Water Sales and Percentage of Annual Total by User Categories in MG

User Category	2005	% of Total	2006	% of Total	2007	% of Total	2008	% of Total	2009	% of Total
Floriculture	115.5	15.2	108.2	14.1%						
Beaches and Parks	4.0	0.5	4.3	0.6%						
Recreation	1.9	0.3	1.6	0.2%						
Marine Related	10.1	1.3	8.2	1.1%						
Restaurants	14.2	1.9	14.6	1.9%						
Commercial	51.6	6.8	50.1	6.5%						
Hotels & Motels	28.8	3.8	30.9	4.0%						
Schools	14.6	1.9	13.9	1.8%						
Multi-Family Dwellings	67.8	8.9	69.0	9.0%						
Residential	407.7	53.5	395.4	51.7%						
Irrigation	41.8	5.5	66.2	8.6%						
Portable Meter Sales	4.0	0.5	2.7	0.4%						
Total Sales	**762.1**	100	**765.2**	100.0%						

User Category	2010	% of Total	2011	% of Total	2012	% of Total	2013	% of Total	2014	% of Total
Floriculture										
Beaches and Parks										
Recreation										
Marine Related										
Restaurants										
Commercial										
Hotels & Motels										
Schools										
Multi-Family Dwellings										
Residential										
Irrigation										
Portable Meter Sales										
Total Sales										

Comparison of Water Production and Sales in MG

Description	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Annual Production	482.2	475.2	355.7	449.5	523.1	502.4	532.2	528.2	589.6	635.0	649.6
Annual Sales	399.4	441.6	322.3	386.3	429.2	449.7	476.3	491.1	526.3	564.9	565.3
Unmetered Water, MG	82.2	33.6	33.4	63.2	93.9	52.7	55.9	37.1	63.3	71.1	84.3
Unmetered Water	17.0%	7.1%	9.4%	14.1%	18.0%	10.5%	10.5%	7.0%	10.7%	11.2%	13.0%

Description	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Annual Production	747.9	715.3	614.2	612.9	593.2	479.2	548.4	568.2	583.6	645.8	669.3
Annual Sales	592.4	633.3	554.8	524.2	554.8	434.2	487.1	529.9	562.9	611.8	641.9
Unmetered Water, MG	155.5	82.1	59.4	88.7	38.4	45.0	61.3	38.3	20.7	34.0	27.4
Unmetered Water	20.8%	11.5%	9.7%	14.5%	6.5%	9.4%	11.2%	6.7%	3.5%	5.3%	4.1%

Description	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Annual Production	829.0	746.6	799.3	778.8	916.2	858.1	890.6	892.7	822.7	859.3
Annual Sales	764.6	692.9	765.7	765.4	820.8	810.0	819.4	831.8	762.1	765.2
Unmetered Water, MG	64.6	53.7	33.6	13.4	95.4	48.1	71.2	60.9	60.6	94.1
Unmetered Water	7.8%	7.2%	4.2%	1.7%	10.4%	5.6%	8.0%	6.8%	7.4%	11.0%

*Annual sales includes portable meters from 1997 and on.

**Unmetered water is based on production. Denniston in-plant uses have been subtracted from total production since water never reaches distribution system.

Number of Service Connections

The table is a running total of service connections excluding fire connections. This table was modified this year and no longer attempts to reflect the total number of active service connections.

Year	Number of New Installed Connections	Total Number of Service Connections
1970	---	2,264
1971	301	2,565
1972	160	2,725
1973	64	2,789
1974	72	2,861
1975	169	3,030
1976	274	3,040
1977	106	3,410
1978	26	3,436
1979	72	3,508
1980	126	3,634
1981	74	3,708
1982	45	3,753
1983	28	3,781
1984	82	3,863
1985	106	3,969
1986	78	4,047
1987	88	4,135
1988	55	4,190
1989	87	4,277
1990	64	4,341
1991	1	4,342
1992	9	4,351
	-101*	4,250
1993	113	4,364
1994	601	4,964
1995	213	5,177
1996	129	5,306
1997	113	5,419
1998	76	5,495
1999	200	5,695
2000	170	5,865
2001	285	6,150
2002	99	6,249
2003	53	6,302
2004	84	6,386
2005	46	6,432
2006	29	6,461

*Fire service connections deleted from listing of water service connections.

Annual Comparison of Average Daily Residential Water Usage

(gallons per day)

Year	Average Daily Usage Per Single Family Residence	Production Requirements Per Residence
1975	255	307
1976	271	292
1977	182	201
1978	221	257
1979	249	304
1980	259	289
1981	267	298
1982	261	282
1983	282	316
1984	278	317
1985	271	311
1986	272	343
1987	277	313
1988	236	274
1989	220	265
1990	212	228
1991	167	179
1992	189	204
1993	216	224
1994	202	207
1995	224	235
1996	234	240
1997	251	269
1998	225	239
1999	234	241
2000	227	229
2001	244	270
2002	242	257
2003	244	262
2004	215	230
2005	203	222
2006	199	223

Notes:

1) The calculations for 2005 are based on 5,495 single family residential service connections.

2) Mandatory water rationing was in effect during portions of 1977, 1978, 1988, 1989, 1990, 1991, 1992 and 1993.

3) The change in average usage per residence in 1985 was a result of a reclassification of "residential" and "multiple dwelling" service connections when the new computer billing system was installed.

4) The number of single family residential service connections was adjusted in 1993 by the deletion of 101 fire service connections which had been inadvertently included previously.

5) The number of single family residential service connections was adjusted (corrected) in 1995 by the transfer of a number of multiple family connections from the single family residential category to the multiple family category.

6) The calculations for 2006 are basedon 5,448 single family residential service connections.

Peak Daily Demand Periods (gpm)

Note: Peak daily demands are calculated as the sum of (1) production from the Nunes WTP, (2) production from the Denniston WTP, and (3) arithmetic sum of the difference in the volume of water contained in the water storage tanks.

Year	Peak Demand	Description
1980	1,400	Several consecutive days in July
1981	1,800	Several consecutive days in June
1982	1,800	Three consecutive days in August
1983	2,230	July 13
	1,990	July 7-16
1984		No significant peaks demands
1985	2,140	August 16
	2,000	Five other days
1986	2,190	May 16
	2,105	May 15-19
	2,085	May 24-27
1987	2,045	August 16
	2,020	July 27, August 7, September 2
1988-1994	No significant peak demands due to water conservation habits resulting from water rationing	
1995	1,950-2,000	July 14-19
	1,950-2,000	July 28-29
	1,900	August 18-21
1996	2,010-2,070	June 3-15
	2,050-2,155	June 30-July 2
	2,150	July 6
	2,150	July 22-23
	2,300	August 30-31
1997	3,600	May 17
	3,045	May 18
	3,130	May 19
	2,370	June 19-22
	2,505	June 24-26
	2,795	July 4
	2,985	July 11
	2,790	July 27
	3,025	August 3-5
	2,730	August 15
	2,530	September 24
	2,490	October 5
1998	2,170	June 16-19
	2,430	June 26
	2,260	July 17-21
	2,410	August 1-14
	2,260	September 13

Peak Daily Demand Periods (gpm)

Year	Peak Demand	Description
1999	2,195	June 14
	2,100	June 26
	2,203	June 27
	2,214	June 30
	2,280	July 4
	2,306	July 6
	2,369	July 9
	2,429	July 12
	2,467	August 5
	2,645	August 8
	2,448	August 11
	2,761	August 12
	2,087	September 2
	2,057	September 3
	2,148	September 27
	2,182	September 29
	2,019	October 8
	2,094	October 11
	1,949	October 16
	2,053	October 17

2000	1,956	May 1
	1,948	May 6
	2,248	May 21
	1,960	May 22
	2,346	June 13
	2,630	June 14
	2,293	June 15
	2,301	June 18
	2,216	July 7
	2,268	July 13
	2,351	July 14
	2,220	July 26
	2,276	August 5
	2,506	August 12
	2,260	August 21
	2,283	August 25
	2,490	September 7
	2,394	September 17
	2,406	September 18
	2,415	19-Sep
	2,075	October 3
	2,035	October 7
	2,169	October 22
	2,201	October 23

Peak Daily Demand Periods (gpm)

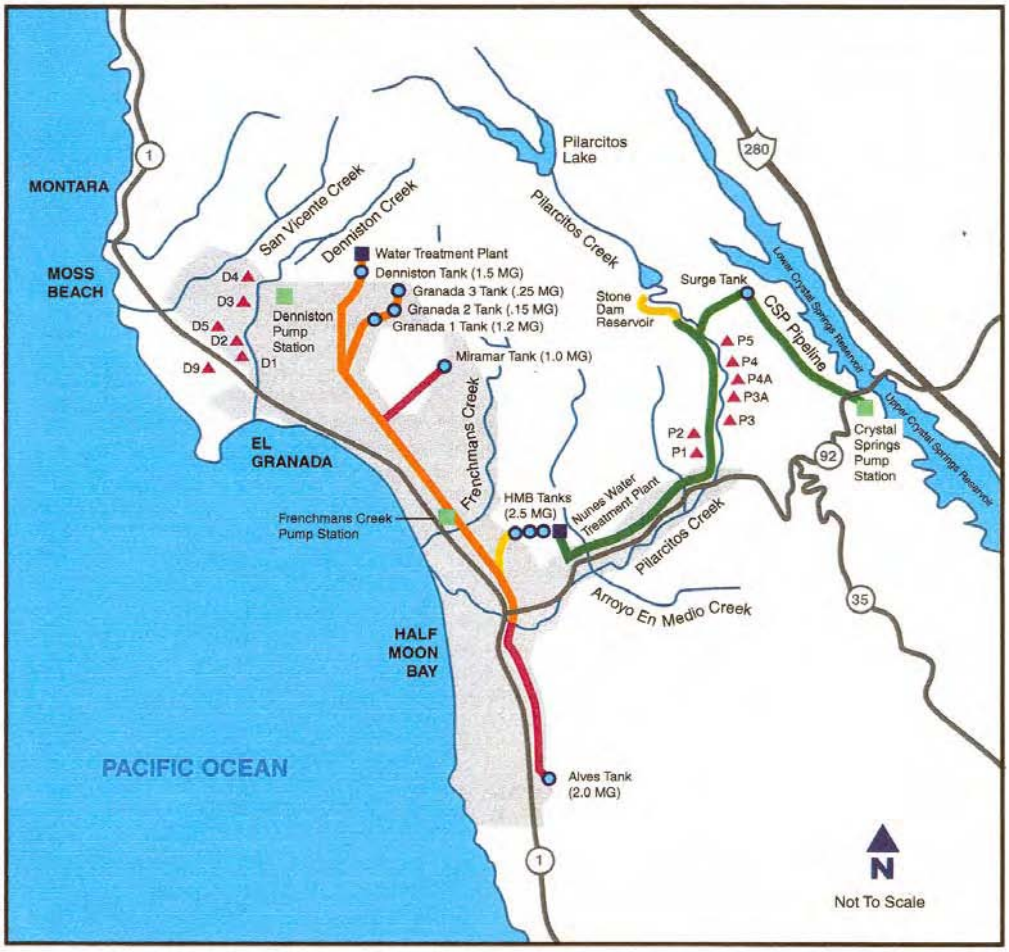
Year	Peak Demand	Description
2001	2,379	May 4
	2,347	May 8
	2,331	May 19
	2,291	May 25
	2,705	June 17
	2,755	June 20
	2,635	June 23
	2,744	June 25
	2,176	July 22
	2,549	July 24
	2,301	July 28
	2,284	August 6
	2,367	August 12
	2,267	August 26
	2,371	September 3
	2,125	September 7
	2,318	September 10
	2,195	October 12
	2,336	October 13
	2,163	October 14
2002	2,106	May 11
	2,173	May 12
	2,340	May 15
	2,123	May 17
	2,281	June 6
	2,435	June 10
	2,274	June 15
	2,284	June 16
	2,293	July 2
	2,500	July 10
	2,249	July 11
	2,456	July 25
	2,436	August 9
	2,584	August 10
	2,493	August 11
	2,499	August 13
	2,454	September 3
	2,270	September 14
	2,358	September 21
2003	2,719	June 26
	2,565	June 27
	2,803	June 28
	2,532	June 30
	2,710	July 3
	2,656	July 8
	2,589	July 11
	2,758	July 17
	2,887	July 20
	2,878	August 8
	2,690	August 15
	2,670	August 23
	2,765	August 24
	2,778	August 25

Peak Daily Demand Periods (gpm)

Year	Peak Demand	Description
2004	3,285	September 4
	3,377	September 5
	3,064	September 6
	3,716*	September 7
	3,232	September 11
	3,166	October 12
	3,045	October 14
2005	2,504	September 5
	2,452	September 24
	2,339	September 28
	2,344	October 3
	2,555	October 4
	2,581	November 15
	2,556	November 21
	3,036	November 22
2006	2,713	July 23
	2,641	July 21
	2,428	July 25
	2,428	July 19
	2,424	July 22
	2,390	August 14
	2,373	August 9

Coastside County Water District

Water Supply and Transmission System



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DISTRICT INFORMATION

Treatment Water Storage	7.60 MG
Water Treatment Plants	
Nunes	4.5 mgd
Denniston	1.0 mgd
Transmission Pipeline	17 miles
Distribution Pipeline	83 miles

LEGEND

- District Boundry
- Wells
- Water Storage Tanks
- Pump Station
- Water Treatment Plant
- 10" Pipeline
- 12" Pipeline
- 16" Pipeline
- 18" Pipeline

Appliance and Fixture Consumption Data

Appliance Consumption Data	
Appliance	**Water Use**
Dishwashers	
1995 -Present	4.5 to 7.0 gallons per load
1990-1995	7.0 to 12.0 gallons per load
1980 -1990	14.0 gallons per load
Clothes Washers	
1998-Present	27-39 gallons per load
1990-1998	39-43 gallons per load
1980-1990	51 gallons per load
Pre-1980	56 gallons per load
Data from *Handbook of Water Use and Conservation* by Amy Vickers – May 2001 Consumption figures and time periods are approximate.	

Fixture Consumption Data	
Fixture	**Standard (ultra low flow)** maximum water use allowed
Toilets	1.6 gallons per flush
Urinals	1.0 gallons per flush
Showerheads	2.5 gallons per minute at 80psi
	2.2 gallons per minute at 60psi
Kitchen Faucets and Bathroom Faucets	2.5 gallons per minute at 80psi
	2.2 gallons per minute at 60psi
Data from *Handbook of Water Use and Conservation* by Amy Vickers – May 2001	

High Efficiency Consumption Data	
Fixture	**Standard**
Toilets	1.28 gallons per flush
Urinals	0.5 gallons per flush 1.0 quart per flush 1.0 pint per flush
Bathroom Faucets	0.5 gallons per minute
Data from California Urban Water Conservation Council	

STAFF REPORT

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

From: **Joe Guistino, Superintendent of Operations**

Agenda: **November 13, 2007**

Report Date: November 7 2007

Subject: **Purchase of New Loader/Scraper**

Recommendation:

Authorize purchase of a new John Deere Loader/Scraper model 210LE for $56,100 plus tax.

Background:

The District maintains a front-end loader in the El Granada area to assist with spoils and gravel maintenance on projects and emergencies in the north end of our service area. Our present front-end loader has not been functional for over a year and is severely deteriorated. We had an equipment company assess its condition and reparability. They stated that the repairs needed to make this unit functional would be over $20K but could not guarantee how long it would remain functional. We concluded that repairing the loader would not be cost-effective and that it should be replaced.

The purchase of this piece of equipment will allow for improved spoils/engineering fill maintenance as well as to keep the Denniston and Pilarcitos Canyon Roads maintained. The new unit will be stored at the Denniston WTP site to avoid the accelerated deterioration and corrosion experienced at the El Granada site.

We submitted requests for bids from 4 heavy equipment dealers but only received 1 response.

Fiscal Impact:

This item will cost $56,100 + tax. We have included $50,000 for this item in FY 08 Capital Budget.

STAFF REPORT

To: **David Dickson, General Manager**

From: **Joe Guistino, Superintendent of Operations**

Agenda: **November 13, 2007**

Report Date: **November 7 2007**

Subject: **Filter Media Replacement Project**

Recommendation:
Direct Staff to proceed to solicit bids for replacement of filter media for 1 filter at Nunes WTP

Background:
In a conventional drinking water treatment plant such as Nunes, the filters are the heart of the treatment process. The health of the filter media will be reflected in the efficient performance of the plant and it's ability to weather adverse raw water conditions.

The American Water Works Association (AWWA) recommends that a well run treatment facility should perform a filter assessment every few years for a conventional dual media treatment plant such as Nunes. Our last assessment was performed in April of this year and shows that our anthracite and sand media has deteriorated over the last 15 years. This was the only assessment on record for Nunes WTP.

Filter media sizing is a component of the filter assessment and is characterized by 2 main parameters: effective size and uniformity coefficient. Effective size is defined as the size of screen that will pass 10 percent by dry weight of a representative sample of filter media, i.e. if 1 ounce of sand passes through a 0.45mm screen in a 10-ounce representative sample, the effective size of the sample is 0.45 mm. The selection of the proper e.s. is based on type of treatment, source water and pilot filters.

Uniformity Coefficient is defined by the ratio calculated as the size opening that will just pass 60% of a representative sample of the filter material divided by the size opening that will just pass 10% of the same sample. As the uniformity

coefficient approaches 1, the media size variation becomes less. If the uniformity coefficient is 1, the particles are all the same size and the pore spaces within the filter bed are too great resulting in poor filter performance. If the U.C. is too high, the pore spaces become too small and the filter clogs faster.

The Roberts Services, Inc., a filter consultant, performed our filter assessment in April of this year. Their results were as follows:

	Anthracite	Sand
Filter 1	0.59 e.s./2.6 u.c.	0.59 e.s./1.2 u.c.
Filter 2	0.74 e.s./2.13 u.c.	0.6 e.s./1.21 u.c.
Filter 3	0.54 e.s./2.79 u.c.	0.6 e.s./1.21 u.c.
Filter 4	0.91 e.s./1.4 u.c.	0.57 e.s./1.38 u.c.

Filter specifications for the Nunes filters are:

Anthracite	0.85-0.95 e.s.	1.4-1.65 u.c.
Sand	0.5-0.55 e.s.	1.25-1.55 u.c.

As can be seen, with the exception of filter 4, the anthracite has degenerated in size and uniformity. The results indicate that the finer sand has been washed out of the filter, resulting in a larger size being left, which can diminish the "polishing" characteristic of the filter.

Staff proposes to replace the media in Filter #1 this year.

Fiscal Impact:

This item will cost $100,000.
We have budgeted $100,000 over the next 4 years for filter media replacement.

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **November 13, 2007**

Report Date: November 7, 2007

Subject: **IEDA Labor Relations Services**

Recommendation:

Authorize the General Manager to execute an agreement, subject to District Counsel approval as to form, for IEDA labor relations services at a cost of $12,000 per year.

Authorize the General Manager to contract with IEDA to provide salary survey information at a one-time cost of $6,000.

Background:

District employees' recent certification of the Teamsters Union creates a need for expert advice and assistance on labor relations matters. IEDA (http://www.ieda.com), an employer association created in 1937, provides labor relations support to more than 150 private and public sector employers. IEDA now represents more public agencies in Northern California for labor relations purposes than any other employer group or law firm, a fact which attests to the value and cost-effectiveness of their services.

For a fixed annual fee, IEDA provides comprehensive labor relations support services, including acting as chief spokesperson on the District's behalf during contract negotiations. Staff believes this is a more effective and economical approach for the District than retaining labor attorneys.

For an additional one-time fee of $6,000, IEDA also provides extensive salary survey data for a one year period. This cost is significantly below what CCWD has paid for similar data in the past. Staff proposes to contract with IEDA for these data.

Austris Rungis of IEDA will make a presentation to the Board on IEDA and its services and answer Directors' questions.

Fiscal Impact:

$12,000 per year in IEDA membership fees, payable monthly. One-time payment of $6,000 for salary survey data and related services.

STAFF REPORT

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

From: **Joe Guistino, Superintendent of Operations**

Agenda: **November 13, 2007**

Report Date: November 8, 2007

Subject: **El Granada Tank #1 Site Modification Project**

Recommendation:
Authorize staff to solicit bids for El Granada Tank #1 Site Modification Project.

Background:
Delays in the construction of the El Granada Phase 3 pipeline have influenced the Denniston Storage Tank #1 project in that there will not be adequate supply and emergency storage for El Granada when the Denniston Tank is taken out of service. Storage in the El Granada area for fire flows or other emergencies cannot be reduced or compromised during this project. With this in mind, we had to come up with alternatives to replace the storage and flow capacity lost to the system by taking the Denniston Tank out of service for 2 months.

We looked at the following alternatives which would allow us to shut down the Denniston Tank in order to complete the Denniston project:

1. Install a temporary tank farm and booster station at Denniston. This would be costly (possibly $100,000 or more) and would not provide any benefits after the Denniston project is completed.

2. Delay completion of the Denniston project until Phase III of the El Granada pipeline is completed. Since the tank should be shut down only during a lower demand period, this would push completion of the Denniston tank project back to /Winter 2008.

3. Make piping modifications at El Granada Tank #1 which would make additional storage volume and flow capacity available to the lower El Granada zone. The tank currently serves only as a forebay to the El Granada #1 Pump Station.

4. Develop a contingency plan to provide fire flows during a Denniston Tank shutdown under current conditions. We could use the Wave Avenue

booster pump to provide flow to El Granada if a fire were to occur while the Denniston Tank is shut down. There would be some risk that flow would still not be sufficient and that increased pressure would cause problems with the existing 10 inch pipeline.

Staff feels that Option 3 is the best approach for these reasons:

- We would prefer to avoid the wasted cost of #1, the Denniston project completion delay of #2, and the risks associated with #4.

- Some of the modifications to El Granada Tank #1 have already been planned and budgeted (FY 2010-11) as part of a project to eliminate El Granada Tank #2 and increase flow and pressure to the upper El Granada zone.

- There is a leak in the welded steel piping at El Granada Tank #1 that needs to be fixed as soon as possible. We have estimated that the repair could cost as much as $30,000. Since the repaired pipe would be replaced in the planned project, it would be preferable to do the replacement now.

- The El Granada Tank #1 modifications will provide immediate flow and volume benefits to the lower El Granada zone.

We recommend that the District proceed immediately to solicit bids for the El Granada Tank #1 Site Modification project. The estimated cost of the work is $250,000.

Fiscal Impact:

Project cost is conservatively estimated at $250,000. Approximately $130,000 was budgeted for FY 07-08 for this project as part of the larger Denniston Storage Tank Modification Project.

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **November 13, 2007**

Report Date: November 5, 2007

Subject: **RESOLUTION NO. 2007-20 APPOINTING DAVID DICKSON AS DISTRICT SECRETARY**

Recommendation:

Approve Resolution 2007-20 appointing David Dickson as District Secretary.

Background:

State law requires that the Board of Directors appoint a secretary whose duties include countersigning contracts and other duties prescribed by the Board. It is recommended that the Board appoint the General Manager, David Dickson, as District Secretary and Treasurer, with the adoption of the attached Resolution 2007-20.

RESOLUTION NO. 2007-20

APPOINTING DAVID DICKSON AS SECRETARY AND ASSIGNING DUTIES OF TREASURER

WHEREAS, pursuant to Water Code Section 30540, the Board of Directors is not required to appoint a treasurer where it has retained an auditor as an independent contractor to conduct an annual audit of the District's books, records and financial affairs; and

WHEREAS, it is desirable that the General Manager perform the certain duties of secretary and treasurer of the District, such duties having also been assigned to the prior Acting General Manager; and

WHEREAS, the Board of Directors has previously been advised by Bond Counsel retained by the Board that an officer of the District must perform the duties of treasurer for certain purposes connected with the Assessment District previously formed by the Board;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the COASTSIDE COUNTY WATER DISTRICT that, with the exception of conducting the annual audit of the District's books, records and financial affairs, the duties that may otherwise be assigned by the Board of Directors to be appointed Treasurer of the District are hereby assigned to General Manager David Dickson, effective immediately.

BE IT FURTHERMORE RESOLVED, that the General Manager is hereby appointed to the office of Secretary of the District, said appointment to be effective immediately.

BE IT FURTHERMORE RESOLVED that the General Manager shall perform said duties without any increase in compensation beyond that provided for as General Manager.

PASSED AND ADOPTED this 13th day of November 2007, by the following votes:

AYES:
NOES:
ABSENT

_____
Jim Larimer, President
Board of Directors
Coastside County Water District

ATTEST:

_____
David Dickson, Secretary of Board of Directors
Coastside County Water District

STAFF REPORT

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

From: **Joe Guistino, Superintendent of Operations**

Agenda: **November 13, 2007**

Report Date: November 7, 2007

Subject: **Preventative Maintenance Program Services**

Recommendation:

Authorize the General Manager to execute an agreement with Eco:Logic to assist us in the initiation of our Preventative Maintenance Program, at an estimated cost of $21,438.

Background:

Our Hansen Software program was updated last year and select staff was trained as to its use. The time required for the extensive front-end data input and asset identification required to launch this program is prohibitive. Eco:Logic is a firm that specializes in such programs and has submitted a bid to provide us with the following services:

- Perform initial system setup, inputting all key equipment into the system and its associated recommended preventative maintenance.
- Label any unlabeled equipment in the field.
- Review O&M manuals for recommended maintenance.
- Research equipment that does not have an O&M manual to determine recommended maintenance and frequency.
- Talk with operations and maintenance staff on historical maintenance performed to determine desired tasks and frequencies if different from the O&M manual.
- Review the equipment history records as they pertain to repairs and maintenance.
- Train staff on system use.

Once the initial input phase is complete Eco:Logic will visit the site once weekly for three months to assist in the input of completed work orders. Work order generation and maintenance of the data inputs will thereafter be done by District Staff.

Fiscal Impact:

This service will cost an estimated $21,480 and has been incorporated into our Maintenance Budget for FY 08.

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **November 13, 2007**

Report Date: November 8, 2007

Subject: **J.M. Turner Design Services for Nunes WTP Improvements**

Recommendation:
Authorize the General Manager to execute an agreement, subject to District Counsel approval as to form, with J.M. Turner Engineering for structural design services for Nunes Water Treatment Plant Phase I improvements, at a cost not to exceed $14,280.

Background:
The Nunes WTP plant short term improvements include new on-site hypochlorite generation facilities in the existing Chlorine Storage Room, and new caustic soda facilities at the end of the Filter Pipe Gallery. District Engineer Jim Teter is currently designing these improvements and has received the attached proposal from J.M. Turner Engineering for the structural design work associated with these improvements. Turner has provided engineering services on the El Granada Pipeline Phase III project and on the Denniston Short Term Improvements and has performed satisfactorily.

Staff recommends that J.M. Turner be retained to perform structural design work for the Nunes improvements.

Fiscal Impact:
Cost not to exceed $14,820. This amount is included in the budget for the Nunes Short Term Improvements Project.

J.M. TURNER ENGINEERING, INC.
CONSULTING ENGINEERS
CIVIL ENGINEERING
STRUCTURAL ENGINEERING
CONSTRUCTION ENGINEERING

October 25, 2007

James S. Teter
District Engineer, Coastside County Water District
766 Main Street
Half Moon Bay, CA 94019

Subject: Proposal for structural design services, Nunes Water Treatment Plant, Phase 1

Dear Mr. Teter,

J.M. Turner Engineering, Inc. (JMTE) has completed the structural design services for the Denniston Water Treatment plant ahead of schedule and under budget by an amount of $2,625. JMTE is pleased to offer this proposal for additional structural engineering services at the Nunes Water Treatment Plant. JMTE has reviewed the structural drawings for the Nunes Treatment Plant, the preliminary drawings for the proposed modifications, and has also visited the site. The proposed scope of services, entitled "Scope of Work for Structural Design Services Nunes Water Treatment Plant, Phase 1" dated October 19, 2007 is attached hereto as Exhibit "A".

JMTE offers to complete the services stated in Exhibit "A" on a time and materials basis at a cost not to exceed $14,820. Billing for said services would occur at the rates set forth in Exhibit "B" attached hereto. JMTE estimates that said services would be completed within 4 weeks of receiving notice to proceed.

In summary, this letter represents a firm commitment by JMTE to provide the professional engineering services to complete the scope of work outlined in Exhibit "A" at the rates set forth in Exhibit "B" within a period of 4 weeks after receiving notice to proceed.

Yours truly,

Kidd C. Immel

K.C. Immel, PE, PLS
Senior Engineer

Main Office: 1335 N. Dutton Avenue * Santa Rosa, CA 95401 * Phone (707) 528-4503 * Fax (707) 528-4505
So. Cal. Office: 1468 Rainbow Crest Road * Rainbow, CA 92028 * Phone (760) 731-9361 * Fax (866) 238-1867

Exhibit "A"

Coastside County Water District
Short Term Water Treatment Plant Improvements Project

SCOPE OF WORK FOR STRUCTURAL DESIGN SERVICES
NUNES WATER TREATMENT PLANT, PHASE 1

October 19, 2007

Purpose

The General and Piping Drawings for the modifications of the Nunes Water Treatment Plant are being prepared by James S. Teter, Consulting engineer. The modifications require structural modifications to existing concrete floors including the construction of new concrete equipment bases and new concrete chemical containment walls. The purpose of the structural design services is to perform required engineering calculations and prepare drawings for the required Nunes WTP structural modifications.

The drawings for the Nunes WTP structural modifications shall be prepared in the format as the already-completed drawings for the Denniston WTP structural modifications. The drawings for both treatment plant modifications will be combined into one project for bidding and construction purposes.

Description of Phase 1 Modifications

A. Existing Chlorine Storage Room. The new structural work consists of concrete equipment pads for the new hypochlorite system facilities. The structural design services consist of (1) preparing calculations to evaluate the capability of the existing floor to safely support the weight of the new hypochlorite system facilities, and (2) preparing a drawing of the new equipment pads including dimensions and reinforcing steel design.

Teter is providing a preliminary drawing of the proposed equipment pads and equipment which includes the weight of the equipment. If the existing floor is not suitable for the design proposed in Teter's preliminary design, the height of the equipment pads will need to be reduced as required.

Teter is providing structural drawings of the existing Chlorine Storage Room. See attached Drawings S-6 and S-12.

B Existing Filter Pipe Gallery. The new structural work consists of (1) concrete bases for new caustic soda tanks and chemical metering pumps, (2) a sump with removable grating, and (3) a concrete containment wall around all of the new caustic storage and feed facilities. The structural design services consist of (1) preparing required calculations for design of the new concrete bases and walls, and (2) preparing drawings of the new concrete bases and walls including dimensions and reinforcing steel design.

Teter is providing preliminary drawings of the proposed new caustic soda facilities.

Teter is providing structural drawings for the existing filter gallery which was constructed in 2 phases. The first phase construction is shown on drawings S-3 S-3 and S-14. The second phase construction is shown on drawings S5-1, S5-2, S5-3 and S5-4.

Required Deliverable for Structural Design Services

1. Drawings. For the drawing requirements described above, provide a preliminary drawing for review and a final drawing for inclusion in the final set of bidding documents.
2. Specifications. Revise the specifications prepared for the Denniston WTP modifications as required to also include the Nunes WTP modifications.
3. Calculations. Submit one copy of the required calculations (signed and sealed).

EXHIBIT "B"

J.M. TURNER ENGINEERING, INC.

CONSULTING ENGINEERS

CIVIL ENGINEERING
STRUCTURAL ENGINEERING
CONSTRUCTION ENGINEERING

2007 Hourly Rate Schedule

President/Principal Engineer	$200
Registered Engineer	$150
Registered Land Surveyor	$150
Assistant Engineer, EIT	$100
Assistant Surveyor, LSIT	$100
Drafter	$75
Technical / Administrative Support	$50
Two Person Survey Crew	$250

Note: Travel time (for meetings, site visit, field inspections, surveys, etc.) is billed at the hourly rate schedule shown above.

Other Charges

Outside consultant's fees, overnight delivery and messenger charges, additional insurance, fares, shipping, rented equipment, travel expenses, meals and lodging are billed at cost plus 15%.

A $15 per hour surcharge will apply for any technician time on projects requiring prevailing wage payment and reporting.

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STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **November 13, 2007**

Report Date: November 9, 2007

Subject: **Award of Contract for Construction of Phase 3 El Granada Transmission Pipeline Replacement Project**

Recommendation:
Authorize staff to award contract for El Granada Phase 3 Pipeline Replacement Project construction to JMB Construction, Inc.

Background:
At the Board of Directors meeting on October 9, 2007, staff presented the El Granada Phase III bids received on October 2. JMB Construction Inc. was the lowest bidder with a bid of $4,549,196.25. Because the bids had just been received, staff had not completed the process of thoroughly evaluating JMB's bid and qualifications. The Board directed staff to do so and to come back with a game plan for executing the project, including an approach to construction management.

Staff's recommendation to award the contract to JMB is based on the following:

1. JMB is the lowest bidder, and the District Engineer and District Counsel have determined that their bid is responsive.
2. We have concluded that JMB is a responsible and financially qualified bidder. JMB submitted qualifications and references in response to the District's request. With assistance from counsel, JoAnne Whelen developed a list of questions for the references and contacted 24 of them. Although the references expressed a few cautions, their responses were overwhelmingly positive with regard to JMB's capabilities and performance.

The Board's request for an execution plan for the El Granada Phase III project also focused on the need for construction management. District Engineer Jim Teter recommended in his October 9 staff report on the project that the District retain a professional engineering firm to provide construction management services. Staff interviewed two construction management firms: The Covello Group, who specialize exclusively in construction management and claims management; and Carollo Engineers, a full-service professional engineering firm.

Both firms did a preliminary review of the plans and specifications. The Covello Group expressed a number of reservations about the project documents and indicated that they may not currently have the resources to staff the project. Carollo Engineers, in addition to reviewing the documents, toured the pipeline alignment with Jim Teter, David Dickson, and Joe Guistino. Carollo felt the project documents were adequate, expressed enthusiasm for providing the construction management services, and provided a cost estimate of $401,000 for the work.

Based on the input Carollo has provided and on their qualifications to perform the work, staff will recommend that they be retained to provide construction management services on this project. We propose to obtain a formal proposal from Carollo, develop a consulting agreement, and bring the agreement to the Board for approval at the December 11, 2007 meeting.

Fiscal Impact:

The Capital Improvement Program for FY 07/08 contains funding for the Phase 3 El Granada Transmission Pipeline Replacement Project.

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **November 13, 2007**

Report Date: November 1, 2007

Subject: **Monthly Water Transfer Approval Report**

Recommendation:

None. For Board information purposes only.

Background:

At the December 10, 2002 Board meeting and November 18, 2003 Special Board meeting, the Board made several changes to the District's water transfer policy. One of the changes directed the General Manager to approve routine water transfer applications that met the District's criteria as embodied in Resolution 2002-17 and Resolution 2003-19. The General Manager was also directed to report the number of water transfers approved each month as part of the monthly Board packet information.

Since the last Board meeting in October 2007, three transfer applications for 5—5/8" (20 gpm) non-priority water service connections were approved. A spreadsheet reporting the transfers for the month of October 2007 follows this report as well as the approval letters from Anthony Condotti and the confirmation letters from Glenna Lombardi.

APPROVED AND PROCESSED TRANSFERS FOR THE 2007 CALENDAR YEAR

DONATING APN	RECIPIENT APN	PROPERTY OWNERS	# OF CONNECTIONS		DATE
037-320-270	047-206-250	Corado/McComas, L.P. to Hekkert	one---5/8"	non-priority	Oct-07
065-011-010	065-012-030	Concar Enterprises, Inc. to Borel Private Bank & Trust Co., as TR of L.C. Smith TR	three--5/8"	non-priority	Oct-07
048-014-100	048-112-170	Mary C. McDonald 1991 Trust to Isabella TR	one---5/8"	non-priority	Oct-07

LAW OFFICES

ATCHISON, BARISONE, CONDOTTI & KOVACEVICH

A PROFESSIONAL CORPORATION

333 CHURCH STREET

SANTA CRUZ, CALIFORNIA 95060

WEBSITE WWW.ABC-LAW.COM

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JOHN G. BARISONE
ANTHONY P. CONDOTTI
GEORGE J. KOVACEVICH
BARBARA H. CHOI
SUSAN E. BARISONE
WENDY B. MORGAN
CELESTIAL CASSMAN
SETH A. McGIBBEN

October 9, 2007

Via Facsimile and
United States Mail

Glenna Lombardi, Ex. Assistant
Coastside County Water District
766 Main Street
Half Moon Bay, California 94019

Re: Non-Priority Transfer Application:
Corado/McComas, L.P. to Ray and Stephanie Hekkert
APN 037-320-270 to APN 047-206-250

Dear Glenna:

This will confirm my review of the Application to Transfer Uninstalled Water Service Connection Rights concerning the above-referenced properties. From my review, it appears that the application is in order and in compliance with the District's transfer policy.

Please feel free to contact me with any questions or comments.

Sincerely,

ANTHONY P. CONDOTTI
District Legal Counsel

October 11, 2007

Corado, Inc./Corado-McComas, L.P.
1717 N. Bayshore Drive #1432
Miami, Florida 33132

And

Ray and Stephanie Hekkert
P.O. Box 1961
El Granada, CA 94018-1961

RE: Request to Transfer an Uninstalled Non-Priority Crystal Springs Project Water Service Connection

Dear Property Owners:

We are pleased to confirm that the Coastside County Water District has **approved** your request to transfer one—5/8" (20 gpm) Crystal Springs Project non-priority water service connection. The result of this transfer is as follows:

- **APN 037-320-270** continues to have the remaining rights from the Crystal Springs Project and Coastside County Water District for 22---5/8" (20 gpm) non-priority water service connections; and

- **APN 047-206-250** now has two---5/8" (20 gpm) non-priority water service connections assigned to it from the Crystal Springs Project. (*Note: Prior to this water transfer, a portion of this newly created parcel already had a one—5/8" non-priority water service connection assigned to it from the lottery held in 1999.)*

Please be advised that the City Council of the City of Half Moon Bay has recently taken the position that the transfer of a water service connection meets the definition of "development" so as to require a coastal development permit from the City. Applicants are advised to investigate this issue further with the Half Moon Bay Planning Department if applicable. The Coastside County Water District, in approving this application, does not make any representations or warranties with respect to further permits or approvals required by other governmental agencies, including the City of Half Moon Bay.

Sincerely,

Glenna Lombardi

Glenna Lombardi

LAW OFFICES

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333 CHURCH STREET

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CELESTIAL CASSMAN
SETH A. McGIBBEN

October 9, 2007

Via Facsimile and
United States Mail

Glenna Lombardi, Ex. Assistant
Coastside County Water District
766 Main Street
Half Moon Bay, California 94019

Re: Non-Priority Transfer Application:
Concar Enterprises, Inc. to Borel Private Bank & Trust Co., as Trustee of the L.C. Smith Trust B (APN 065-011-010 to APN 065-012030)

Dear Glenna:

This will confirm my review of the Application to Transfer Uninstalled Water Service Connection Rights concerning the above-referenced properties. From my review, it appears that the application is in order and in compliance with the District's transfer policy.

Please feel free to contact me with any questions or comments.

Sincerely,

ANTHONY P. CONDOTTI
District Legal Counsel

October 11, 2007

Concar Enterprises, Inc.
470 Concar Drive
San Mateo, CA 94402

And

Borel Private Bank & Trust Co.,
As Trustee of the L.C. Smith Trust B
160 Bovet Road
San Mateo, CA 94402

RE: Request to Transfer Uninstalled Non-Priority Crystal Springs Project Water Service Connections

Dear Property Owners:

We are pleased to confirm that the Coastside County Water District has **approved** your request to transfer three—5/8" (20 gpm) Crystal Springs Project non-priority water service connections. The result of this transfer is as follows:

- **APN 065-011-010** has no present right(s) to water service connections from the Coastside County Water District; and

- **APN 065-012-030** now has three--5/8" (20 gpm) non-priority water service connections assigned to it from the Crystal Springs Project. (*Note: Additionally, District records also show that there are 3---1" (50 gpm) priority water service connections assigned to this property from the Crystal Springs Project.)*

Please be advised that the City Council of the City of Half Moon Bay has recently taken the position that the transfer of a water service connection meets the definition of "development" so as to require a coastal development permit from the City. Applicants are advised to investigate this issue further with the Half Moon Bay Planning Department if applicable. The Coastside County Water District, in approving this application, does not make any representations or warranties with respect to further permits or approvals required by other governmental agencies, including the City of Half Moon Bay.

Sincerely,

Glenna Lombardi

Glenna Lombardi

LAW OFFICES

ATCHISON, BARISONE, CONDOTTI & KOVACEVICH

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333 CHURCH STREET

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SUSAN E. BARISONE
WENDY B. MORGAN
CELESTIAL CASSMAN
SETH A. McGIBBEN

October 22, 2007

Via Facsimile and
United States Mail

Glenna Lombardi, Ex. Assistant
Coastside County Water District
766 Main Street
Half Moon Bay, California 94019

Re: Non-Priority Transfer Application:
Mary Colter McDonald 1991 Trust to Isabella Trust
APN 048-014-100 to APN 048-112-170

Dear Glenna:

This will confirm my review of the Application to Transfer Uninstalled Water Service Connection Rights concerning the above-referenced properties. From my review, it appears that the application is in order and in compliance with the District's transfer policy.

Please feel free to contact me with any questions or comments.

Sincerely,

ANTHONY P. CONDOTTI
District Legal Counsel

October 22, 2007

Mary C. McDonald 1991 Trust
2920 Woodside Road
Woodside, CA 94062

And

Helen and Robert Carey
Isabella Trust
2 Isabella Avenue
Atherton, CA 94027

RE: Request to Transfer an Uninstalled Non-Priority Crystal Springs Project Water Service Connection

Dear Property Owners:

We are pleased to confirm that the Coastside County Water District has approved your request to transfer one—5/8" (20 gpm) Crystal Springs Project non-priority water service connection. The result of this transfer is as follows:

- APN 048-014-100 has the remaining right to a one—5/8" (20 gpm) non-priority service connection assigned to it from the Coastside County Water District: and

- APN 048-112-170 now has a one--5/8" (20 gpm) non-priority water service connection assigned to it from the Crystal Springs Project.

Please be advised that the City Council of the City of Half Moon Bay has recently taken the position that the transfer of a water service connection meets the definition of "development" so as to require a coastal development permit from the City. Applicants are advised to investigate this issue further with the Half Moon Bay Planning Department if applicable. The Coastside County Water District, in approving this application, does not make any representations or warranties with respect to further permits or approvals required by other governmental agencies, including the City of Half Moon Bay.

Sincerely,

Glenna Lombardi

Glenna Lombardi

Cc: David Dickson, General Manager

COASTSIDE COUNTY WATER DISTRICT

Installed Water Connection Capacity & Water Meters

2007

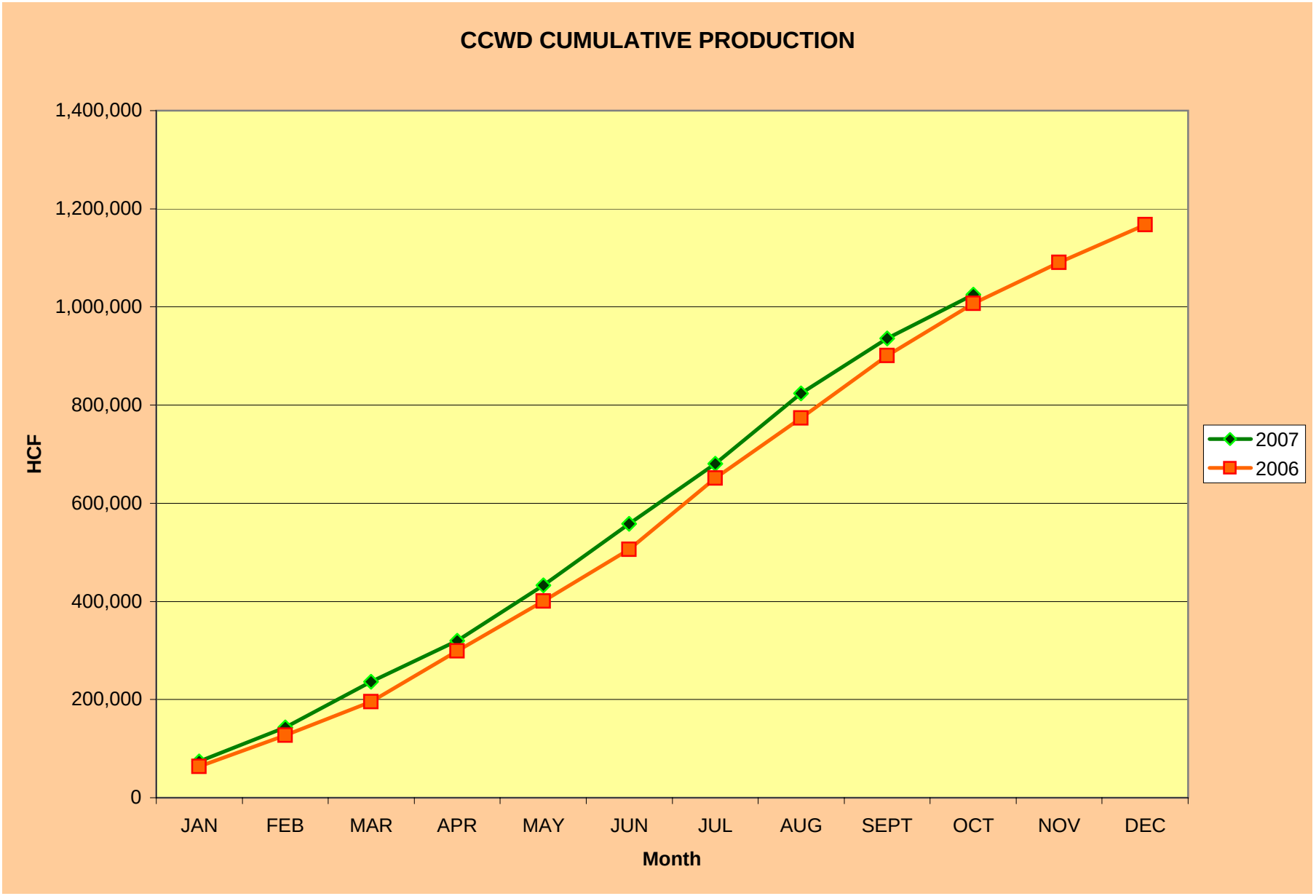
Installed Water Connection Capacity	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Total
HMB Non-Priority													
5/8" meter	1		1	5		3	2	1	3				**16**
3/4" meter													**0**
HMB Priority													
5/8" meter													**0**
3/4" meter			1.5										**1.5**
1" meter					2.5								**2.5**
County Non-Priority													
5/8" meter		1	1			4		1					**7**
3/4" meter													**0**
1" meter													**0**
County Priority													
5/8" meter			2										**2**
3/4" meter													**0**
1" meter													**0**
Monthly Total	**1**	**1**	**5.5**	**5**	**2.5**	**7**	**2**	**2**	**3**	**0**	**0**	**0**	**29**

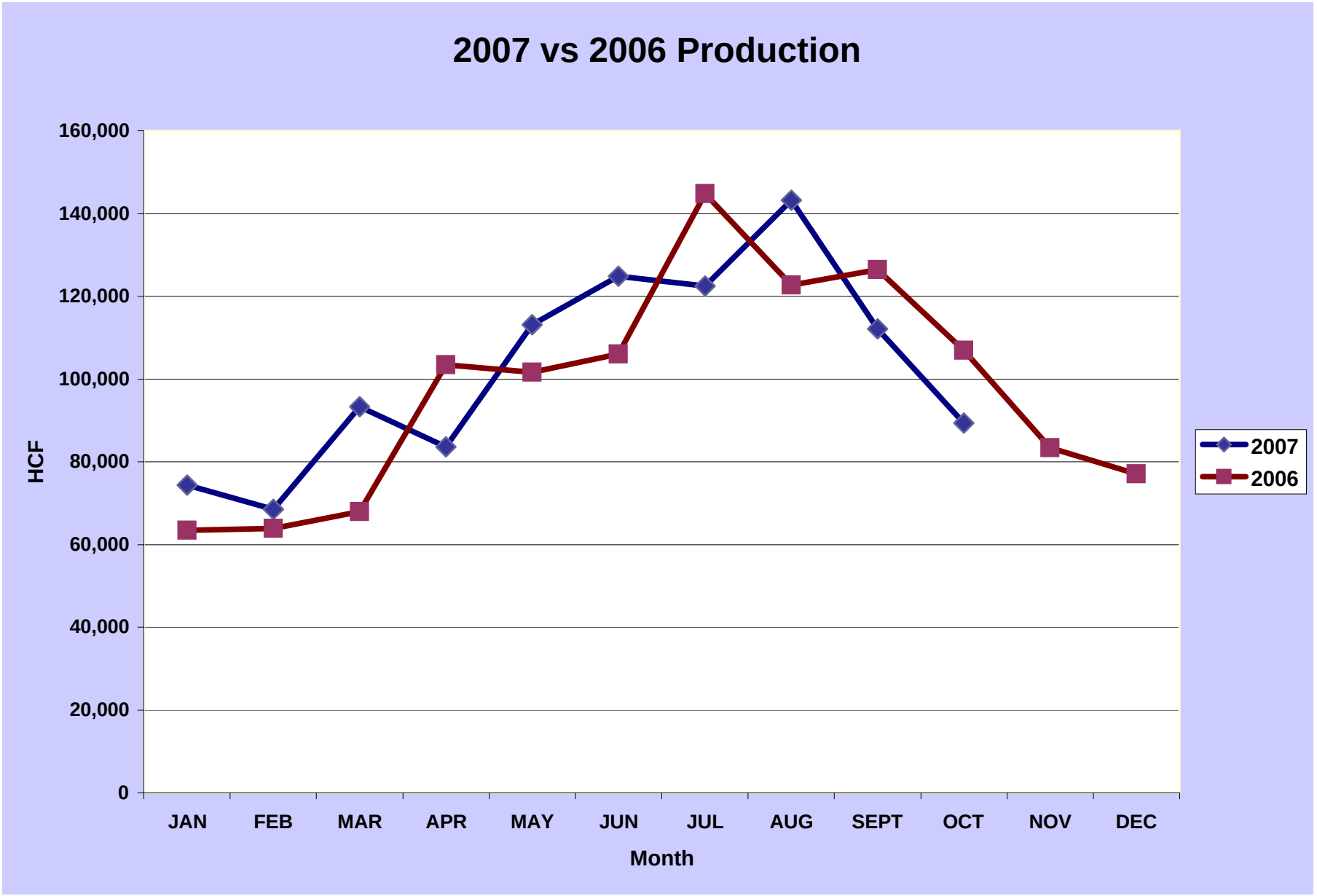
5/8" meter = 1 connection
3/4" meter = 1.5 connections
1" meter = 2.5 connections

Installed Water Meters	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
HMB Non-Priority	**1**		1	**5**		**3**	2	1	3				**16**
HMB Priority			1		1								**2**
County Non-Priority		1	1			4		1					**7**
County Priority			2										**2**
Monthly Total	**1**	**1**	**5**	**5**	**1**	**7**	**2**	**2**	**3**	**0**	**0**	**0**	**27**

TOTAL CCWD PRODUCTION (HCF) ALL SOURCES-2007

	PILARCITOS		DENNISTON		CRYSTAL SPRINGS	SAN VIN.	RAW WATER	UNMETERED	TOTAL	
	WELLS	LAKE	WELLS	RESERVOIR	RESERVOIR	RESERVOIR	TOTAL	USAGE	HCF	MG
JAN	7,928	56,832	1,203	12,634	0	0	78,596	4,211	74,385	55.64
FEB	7,968	62,941	40	1,471	134	0	72,553	4,011	68,543	51.27
MAR	11,243	75,067	628	15,067	0	0	102,005	8,743	93,262	69.76
APR	0	68,837	628	20,321	0	0	89,786	6,176	83,610	62.54
MAY	0	89,479	2,500	22,594	6,029	0	120,602	7,460	113,142	84.63
JUN	0	20,334	3,636	21,457	85,214	0	130,642	5,829	124,813	93.36
JUL	0	0	4,184	14,559	110,508	0	129,251	6,765	122,487	91.62
AUG	0	0	5,000	15,775	129,332	0	150,107	6,845	143,262	107.16
SEPT	0	0	5,388	15,388	98,182	0	118,957	6,818	112,139	83.88
OCT	0	40	3,463	11,016	81,150	0	95,668	6,350	89,318	66.81
NOV	0	0	0	0	0	0	0	0	0	0.00
DEC	0	0	0	0	0	0	0	0	0	0.00
TOTAL HCF	27,139	373,529	26,671	150,281	510,548	0	**1,088,168**	63,209	**1,024,960**	
TOTAL MG	20.30	279.40	19.95	112.41	381.89	0.00	**813.95**	47.280		**766.67**
% TOTAL	2.5%	34.3%	2.5%	13.8%	46.9%	0.0%	**100.0%**	5.8%	94.2%	


CCWD CUMULATIVE PRODUCTION
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
HCF
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEPT
OCT
NOV
DEC
Month
2007
2006


2007 vs 2006 Production
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
HCF
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEPT
OCT
NOV
DEC
Month
2007
2006

COMPARISON OF SFPUC METERS WITH NUNES INFLUENT METER

		Nunes Meter	BW Return	Wells	Difference	SFPUC Pilarcitos meter	SFPUC CSP meter	Skylawn 1	SFPUC Total	SFPUC - Nunes	% difference
2006	**Jun**	68.76	3.3	0	65.46	45.54	20.3	0.00	65.84	0.38	0.58
2006	**Jul**	75.97	3.4	0	72.57	0	91.78	13.80	77.98	5.41	6.94
2006	**Aug**	71.56	3.42	0	68.14	0	76.55	0.00	76.55	8.41	10.99
2006	**Sep**	65.09	3.23	0	61.86	0	77.88	13.13	64.75	2.89	4.46
2006	**Oct**	57.6	3.1	0	54.50	0	64.98	0.00	64.98	10.48	16.13
2006	**Nov**	50.7	2.96	7.17	40.57	17.2	30.34	9.25	38.29	-2.28	-5.95
2007	**Dec**	49.94	3.74	7.6	38.60	45.17	0	0.00	45.17	6.57	14.55
2007	**Jan**	51.29	2.78	5.93	42.58	42.51	0	0.00	42.51	-0.07	-0.17
2007	**Feb**	48.57	2.56	5.96	40.05	47.08	0	0.00	47.08	7.03	14.93
2007	**Mar**	54.47	2.99	8.41	43.07	56.11	0	0.00	56.11	13.04	23.24
2007	**Apr**	50.28	2.49	0	47.79	51.49	0	0.00	51.49	3.70	7.19
2007	**May**	59	2.5	0	56.50	66.93	4.51	2.50	68.94	12.44	18.04
2007	**Jun**	70.71	2.64	0	68.07	15.21	63.74	0	78.95	10.88	13.78
2007	**Jul**	74.67	2.85	0	71.82	0	82.66	15.12	67.54	-4.28	-6.34
2007	**Aug**	74.46	2.86	0	71.60	0	96.74	2.4	94.34	22.74	24.10
2007	**Sep**	71.2	2.74	0	68.46	0	73.44	15.34	58.10	-10.36	-17.83
2007	**Oct**	56.455	2.61	0	53.85	0.03	60.7	0	60.73	6.89	11.34
TOTAL		**1050.73**	**50.17**	**35.07**	**965.49**	**387.27**	**743.62**	**71.54**	**998.62**	**86.98**	**8.71**
AVERAGE											

All results in MG.

			confluence upstream of meter - subtracted from Nunes	**also subtracted from Nunes meter**				**sent to Skylawn as raw water. Subtracted from SFPUC sum**	**Total**		

Coastside County Water District Monthly Sales By Category (HCF)
2007

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	HCF to Date	MG to Date
RESIDENTIAL	28435	45890	25051	36631	30745	65857	44487	70773	39473	63132			450,474	336.95
COMMERCIAL	8452	1839	7667	1468	8643	1815	11883	1858	10084	1881			55,590	41.58
RESTAURANT	3063	1	2932	0	3016	2	3250	16	3444	29			15,753	11.78
HOTELS/MOTELS	6235	168	5499	167	13587	203	6695	249	8098	200			41,101	30.74
SCHOOLS	714	175	1031	125	1541	382	4531	229	4068	364			13,160	9.84
MULTI DWELL	7174	8535	6113	7722	6249	8707	7633	8816	7833	8647			77,429	57.92
BEACHES/PARKS	385	31	550	125	1125	152	1461	101	1953	105			5,988	4.48
FLORAL	19687	324	19635	297	28987	342	30372	360	25007	374			125,385	93.79
RECREATIONAL	103	236	83	273	81	324	132	324	109	250			1,915	1.43
MARINE	1804	0	1305	0	1822	0	1923	0	1902	0			8,756	6.55
IRRIGATION	397	926	143	1186	5266	3127	33797	4446	34818	3605			87,711	65.61
Portable Meters	0	400	146	228	0	371	0	1963	0	1429			4,537	3.39

HCF	76,449	58,525	70,155	48,222	101,062	81,282	146,164	89,135	136,789	80,016	0	0	887,799	
MG	57.18	43.78	52.48	36.07	75.59	60.80	109.33	66.67	102.32	59.85	0.00	0.00		664.07

Coastside County Water District Monthly Sales By Category (HCF)
2006

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	HCF to Date	MG to Date
RESIDENTIAL	26,648	37,849	22,883	37,829	27,954	67,438	40,524	79,653	43,351	68,097			452,226	338.27
COMMERCIAL	8,935	1,598	7,266	1,654	8,837	2,003	9,904	2,344	11,305	2,174			56,020	41.90
RESTAURANT	3,075	17	2,789	17	3,183	39	3,700	182	3,546	44			16,592	12.41
HOTELS/MOTELS	6,125	151	5,568	170	6,509	235	7,089	286	8,373	219			34,725	25.97
SCHOOLS	1,121	102	820	91	1,448	186	4,420	275	6,972	213			15,648	11.70
MULTI DWELL	6,746	7,910	5,912	7,364	6,642	9,137	7,981	9,372	8,277	9,072			78,413	58.65
BEACHES/PARKS	350	17	309	5	525	130	1,388	211	1,529	213			4,677	3.50
FLORAL	19,797	300	18,090	249	32,609	327	25,746	360	25,150	379			123,007	92.01
RECREATIONAL	144	191	121	229	85	259	103	324	146	274			1,876	1.40
MARINE	1,844	0	1,450	0	767	0	2,595	0	2,047	0			8,703	6.51
IRRIGATION	2,673	551	481	305	248	3,037	25,160	4,183	31,539	3,084			71,261	53.30
portable meters	0	329	0	377	0	512	0	895	0	730			2843	2.13

HCF	77,458	49,015	65,689	48,290	88,807	83,303	128,610	98,085	142,235	84,499	0	0	865,991	
MG	57.94	36.66	49.14	36.12	66.43	62.31	96.20	73.37	106.39	63.21	0.00	0.00		647.76

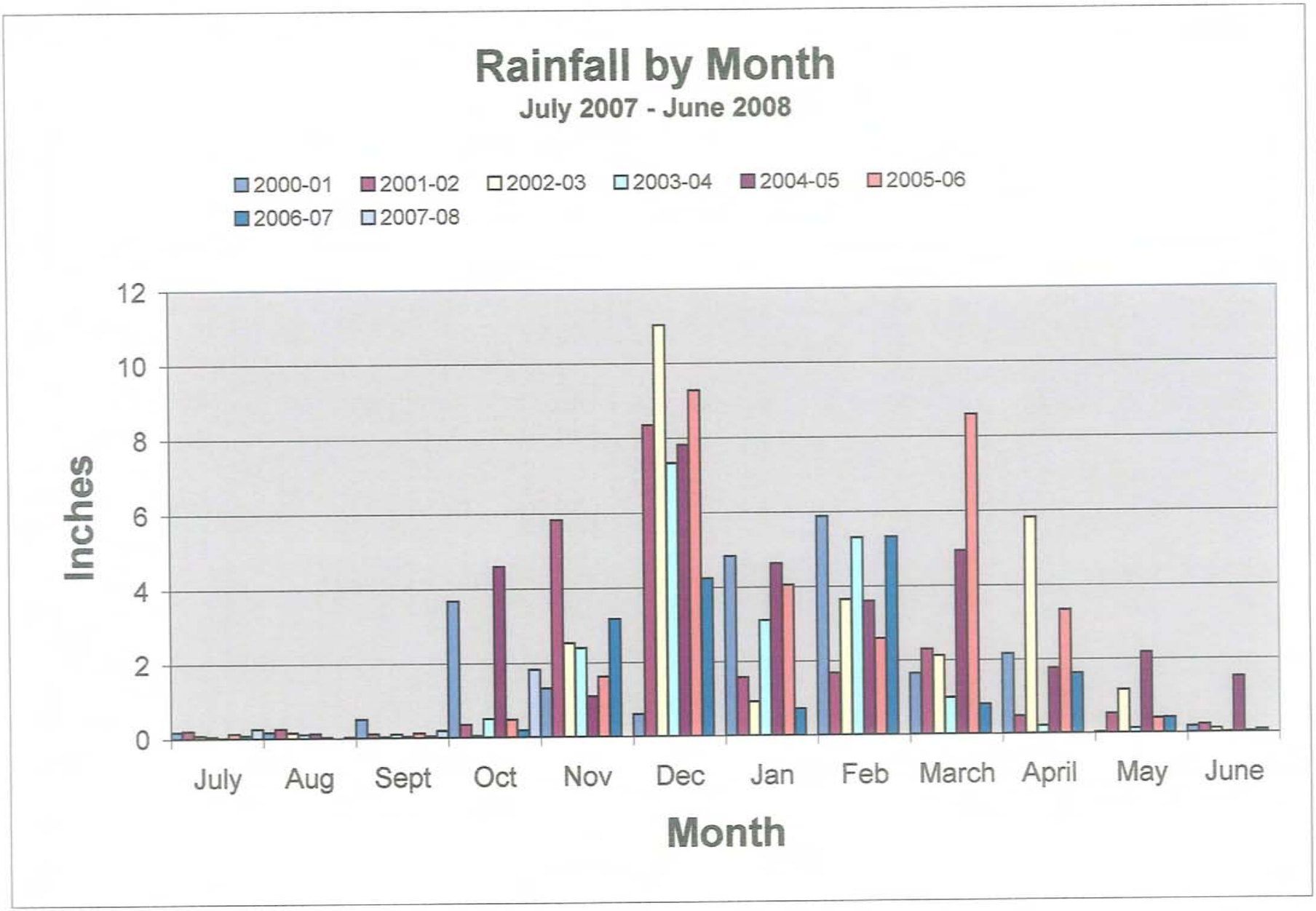
Coastside County Water District
Monthly Leak Report
October 2007

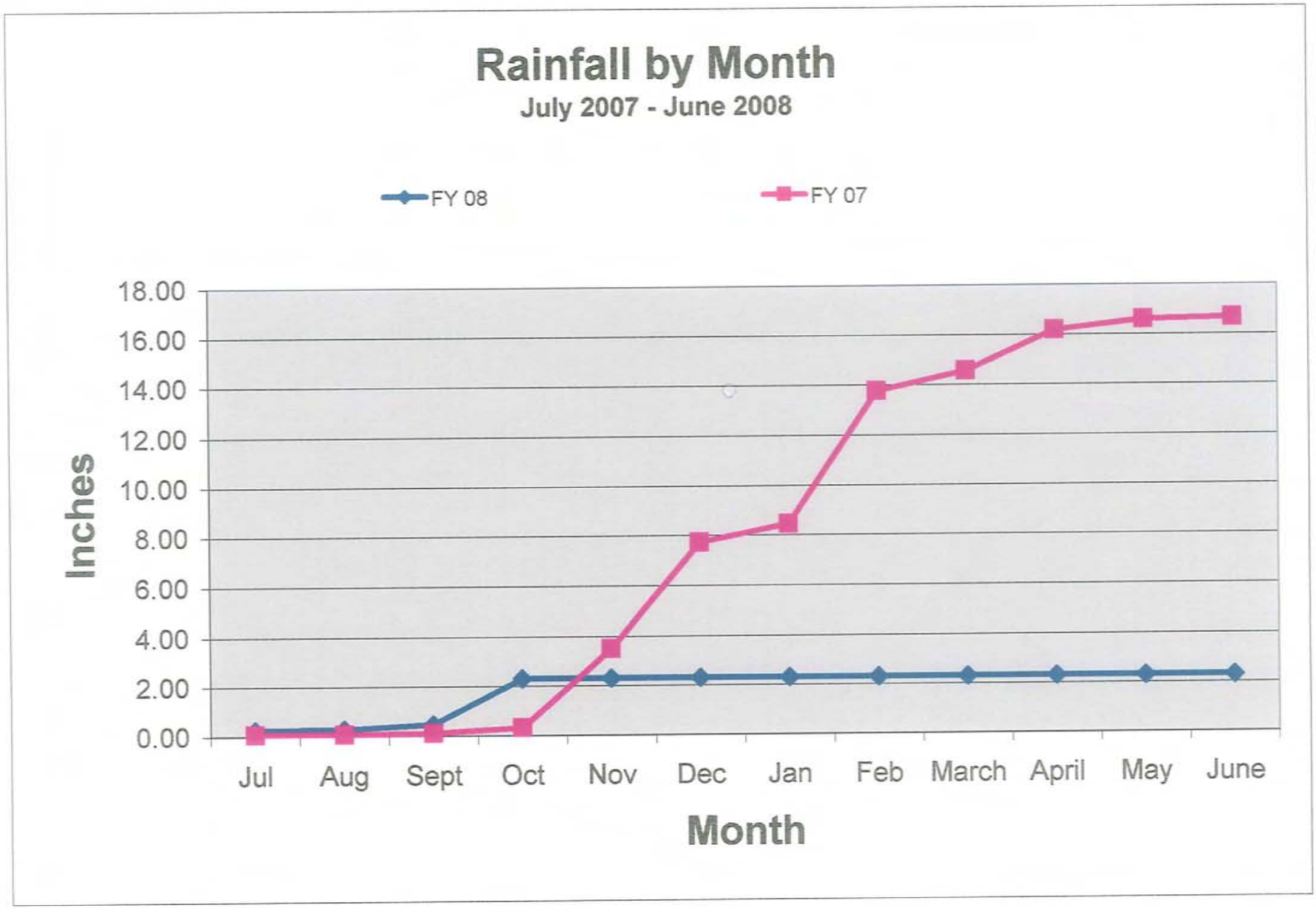
Date	Location	City	Pipe Type/Size	Repair Material	Estimated Water Loss (gallons)	Estimated Cost of Repair (dollars)
02-Oct-07	Alhambra and Coronado	EG	1" black plastic service	10' 1" copper/ 2- 1" 90s/ 1" angle stop	5,500	$2,000
04-Oct-07	136 Columbus	EG	3/4" black plastic service	1 - 3/4" compression angle stop/ 1 - 3/4" compression coupling	1,000	$600
11-Oct-07	Isabella and Columbus	EG	4" cast iron main	1 - 4"x15" full circle clamp	64,000	$1,800
15-Oct-07	3rd and Medio	Mirmar	1" black plastic service	2 - 1"x1" cop-cop/ 6' - 1" copper/	5,500	$900
18-Oct-07	3rd Ave	Mirmar	1" black plastic service	1 - 1"x1" cop-cop/1 - 1" comp nut/ 8' - 1" copper	5,500	$1,000
18-Oct-07	Santiago	EG	1" black plastic service	1 - 1"x1" cop-cop/ 6' - 1"copper/ 1 - 1" 90	3,000	$1,000
23-Oct-07	502 Terrace Ave	HMB	1" black plastic service	1 - 1" comp coupling/ 1 - 1" comp nut/ 8' - 1" copper	5,500	$1,400
26-Oct-07	558 Terrace Ave	HMB	1" black plastic service	10' - 1" copper/ 2 - 1" comp nuts	700	$1,700
31-Oct-07	444 Oak St	HMB	4" cast iron main	1 - 4"x12.5" full circle/ G5 box and lid	605,000	$3,250
				materials - $1200		$1,250
				TOTAL	**695,700**	**$14,900**

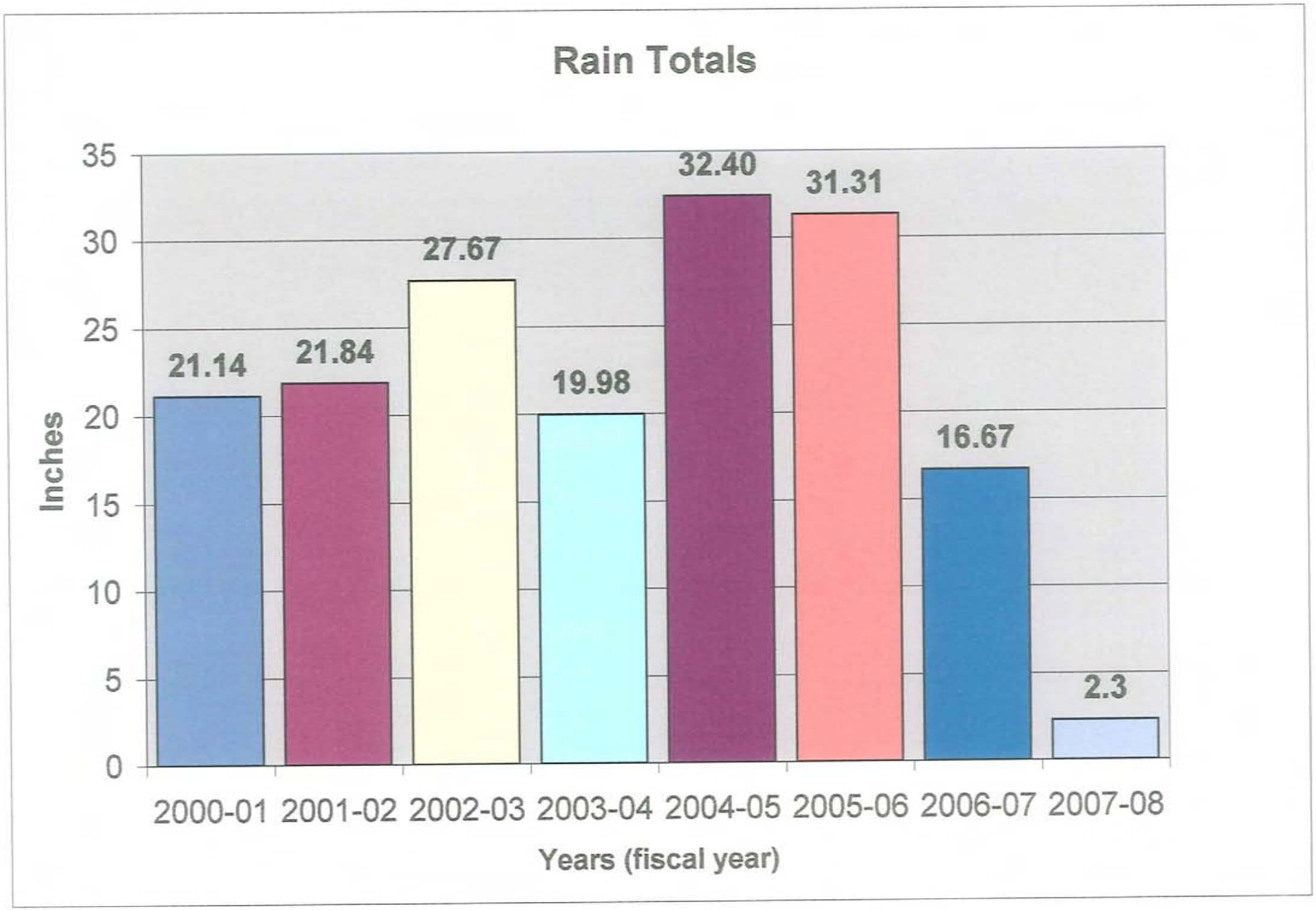
Coastside County Water District
766 Main Street
July 2007 - June 2008

District Office
Rainfall in Inches

	2007						2008					
	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June
1	0	0	0	0.03								
2	0	0	0	0								
3	0	0	0	0								
4	0	0	0.03	0								
5	0	0.02	0	0								
6	0	0	0	0								
7	0.02	0	0	0								
8	0	0	0	0								
9	0	0.01	0	0.86								
10	0	0	0	0.23								
11	0	0	0	0								
12	0	0	0	0.55								
13	0	0	0	0								
14	0	0	0	0								
15	0.01	0	0	0.02								
16	0	0	0	0.02								
17	0.01	0	0	0.01								
18	0.07	0	0	0.01								
19	0	0	0	0.1								
20	0	0	0	0								
21	0	0	0	0								
22	0.01	0	0.1	0								
23	0.02	0	0	0								
24	0.03	0	0	0								
25	0.01	0	0	0								
26	0.02	0	0	0								
27	0.01	0	0	0								
28	0.02	0	0.05	0								
29	0.02	0	0.01	0								
30	0	0	0	0								
31	0	0		0								
Mon.Total	0.25	0.03	0.19	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Year Total	0.25	0.28	0.47	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30


Rainfall by Month
July 2007 - June 2008
2000-01
2001-02
2002-03
2003-04
2004-05
2005-06
2006-07
2007-08
Inches
12
10
8
6
4
2
0
July
Aug
Sept
Oct
Nov
Dec
Jan
Feb
March
April
May
June
Month


Rainfall by Month
July 2007 - June 2008
FY 08
FY 07
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Inches
Jul
Aug
Sept
Oct
Nov
Dec
Jan
Feb
March
April
May
June
Month


Rain Totals
Inches
35
30
25
20
15
10
5
0
21.14
21.84
27.67
19.98
32.40
31.31
16.67
2.3
2000-01
2001-02
2002-03
2003-04
2004-05
2005-06
2006-07
2007-08
Years (fiscal year)

MONTHLY CLIMATOLOGICAL SUMMARY for OCT. 2007

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	59.1	64.7	2:30p	51.9	12:00m	5.9	0.0	0.03	1.3	14.0	1:30p	SSW
2	52.7	62.8	10:00a	48.8	6:00a	5.1	0.0	0.00	0.3	8.0	6:30a	N
3	56.9	58.1	10:00p	55.8	12:00m	0.8	0.0	0.00	0.6	7.0	10:30p	SSW
4	58.4	68.2	12:30p	53.5	5:00a	6.7	0.1	0.00	1.8	12.0	4:30a	SSW
5	54.4	62.4	2:30p	44.7	12:00m	10.6	0.0	0.00	2.2	16.0	11:30a	WSW
6	51.9	63.1	2:00p	42.2	5:00a	13.1	0.0	0.00	1.1	12.0	2:30p	NE
7	52.6	60.3	2:00p	42.6	6:30a	12.4	0.0	0.00	0.9	8.0	12:00p	NNE
8	55.2	64.4	2:30p	50.4	5:00a	9.8	0.0	0.00	0.5	8.0	12:30p	SSW
9	60.9	72.1	2:30p	50.0	2:30a	5.3	1.1	0.86	3.4	22.0	9:30p	SE
10	59.1	68.1	1:30p	49.1	12:00m	6.0	0.1	0.23	1.1	10.0	3:00p	S
11	55.8	68.0	2:30p	46.6	6:00a	9.3	0.1	0.00	0.8	10.0	4:30p	SSW
12	58.1	64.6	10:30a	52.3	1:00a	6.9	0.0	0.55	2.0	15.0	10:30a	NNE
13	58.1	64.7	10:30a	52.7	5:00a	6.9	0.0	0.00	1.4	15.0	8:30a	SSW
14	55.9	63.4	1:30p	50.3	10:30p	9.1	0.0	0.00	0.3	7.0	2:30p	SW
15	59.4	68.5	12:30p	50.9	4:30a	5.9	0.3	0.02	1.0	10.0	10:00a	S
16	58.7	65.9	3:00p	51.9	6:30a	6.3	0.0	0.02	1.3	16.0	3:00p	SE
17	57.2	65.4	11:00a	49.7	4:00a	7.8	0.0	0.01	0.6	9.0	12:30p	SSW
18	58.8	69.3	12:00p	49.1	2:00a	6.6	0.3	0.01	0.3	6.0	12:30p	SW
19	64.6	74.5	1:30p	57.3	12:00m	2.5	2.1	0.10	0.9	9.0	12:30p	S
20	57.0	63.3	12:30p	47.8	12:00m	8.0	0.0	0.00	1.6	16.0	2:00p	WSW
21	56.6	70.2	1:30p	45.2	3:30a	8.7	0.4	0.00	2.1	17.0	11:30a	N
22	63.2	77.4	1:00p	49.6	3:30a	4.8	3.0	0.00	1.8	17.0	9:30a	N
23	68.8	82.6	2:00p	55.5	1:30a	1.2	5.0	0.00	3.0	19.0	5:00a	NNE
24	60.5	69.9	11:30a	51.3	12:00m	5.2	0.7	0.00	0.1	5.0	1:00a	SSW
25	57.6	65.5	2:30p	49.4	2:30a	7.4	0.0	0.00	0.0	2.0	1:00p	SSW
26	57.2	67.6	1:00p	48.1	11:30p	7.9	0.1	0.00	0.3	8.0	2:30p	S
27	55.3	64.6	3:30p	47.4	1:30a	9.7	0.0	0.00	0.2	7.0	9:30p	SSE
28	57.2	65.2	2:30p	50.8	5:30a	7.8	0.0	0.00	1.3	9.0	3:00a	N
29	57.5	63.5	2:00p	53.3	7:00a	7.5	0.0	0.00	0.4	6.0	2:30a	SW
30	58.5	65.5	1:00p	54.8	11:30p	6.5	0.0	0.00	0.7	8.0	1:30p	SW
31	55.8	62.7	1:00p	53.0	6:00a	9.2	0.0	0.00	1.0	11.0	2:00p	NNW
	57.8	82.6	23	42.2	6	220.9	13.2	1.83	1.1	22.0	9	SW

Max >= 90.0: 0
Max <= 32.0: 0
Min <= 32.0: 0
Min <= 0.0: 0
Max Rain: 0.86 ON 10/09/07
Days of Rain: 7 (>.01 in) 3 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration

STATION (Climatological) Half Moon Bay (River Station, if different) | MONTH Oct | 2007

STATE CA | COUNTY San Mateo | RIVER

TIME (local) OF OBSERVATION RIVER 0930 | TEMP. | PRECIPITATION | STANDARD TIME IN USE Pac.

TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO Ft. | FLOOD STAGE Ft. | NORMAL POOL STAGE Ft.

WS FORM B-91
(7-89)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE F. 24 HRS. ENDING AT OBSERVATION MAX.	MIN.	AT OBSN.	PRECIPITATION 24-HR AMOUNTS Rain, melted snow, etc. (Ins. and hundredths)	Snow, ice pellets, (Ins. and tenths)	At Ob. Snow, ice pellets, hail, ice on ground (Ins.)	Draw a straight line (——) through hours precipitation was observed, and a waved line (~~~) through hours precipitation probably occurred unobserved. A.M. NOON P.M. 1 2 3 4 5 6 7 8 9 10 11 1 2 3 4 5 6 7 8 9 10 11	WEATHER (Calendar Day) Mark "X" for all types occurring each day. Fog	Ice Pellets	Glaze	Thunder	Hail	Damaging Winds	Time of observation if different from above	RIVER STAGE CONDITION	GAGE READING AT ___ A.M.	TENDENCY	REMARKS (Special observations, etc.)
1	64	43	52	0.02													08:20
2	67	49	58	0.02													08:15
3	68	39	53	0.01													08:25
4	69	47	56	0.00													08:35 G.9
5	65	46	54	0.00													08.30 G9
6	60	35	54	0.00													08:30
7	62	36	42	0.00													08.00
8	60	40	52	0.00													08:30
9	62	47	53	0.00													08.15
10	67	52	57	1.28													08.00
11	63	42	48	0.01													08.10 G9
12	65	46	57	0.13													08:20 G9
13	64	48	61	0.53													09:30 G9
14	68	50	52	0.00													08:00
15	67	46	52	0.00													08:55
16	63	48	57	0.02													09:45
17	60	48	57	0.03													07:45
18	65	44	53	Trace													08:25 G9
19	66	50	59	0.03													08:10 G.9
20	68	48	50	0.09													08:15 G9
21	62	39	58	0.00													08:25
22	72	45	64	0.00													08:15
23	80	45	70	0.00													08:20 G9
24	85	45	49	0.00													08:25
25	68	43	53	0.00													09:15 T
26	61	51	54	0.00													08:20 T
27	63	49	49	0.00													08:15 G9
28	64	48	52	0.00													08:00
29	64	49	54	0.00													08:30
30	59	53	54	0.00													0809 T
31	60	49	53	0.00													08:00
SUM			SUM														

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

READING	DATE

	Fog	Ice Pel	Glaze	Thund.	Hail	Dam. Winds

OBSERVER S.A.M. op's

SUPERVISING OFFICE MTR

STATION INDEX NO. 04-3714

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice.
B. Frozen, but open at gage.
C. Upper surface of smooth ice.
D. Ice gorge above gage.
E. Ice gorge below gage
F. Shore ice.
G. Floating ice.
H. Pool stage.

San Francisco Public Utilities Commission
Hydrological Conditions Report
For October 2007

J. Chester, B. McGurk, M. Tsang, November 6, 2007

Current System Storage

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

Table 1
Current Storage
As of November 1, 2007

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	
Tuolumne System							
Hetch Hetchy [1/]	232,496		340,830		108,334		68%
Cherry [2/]	127,675		268,810		141,135		48%
Lake Eleanor [3/]	21,044		23,541		2,497		89%
Water Bank	539,889		570,000		30,111		95%
Tuolumne Storage	921,104		1,203,181		282,077		77%
Local Bay Area Storage							
Calaveras [4/]	31,927	10,404	96,824	31,550	64,896		33%
San Antonio	44,324	14,443	50,496	16,454	6,172		88%
Crystal Springs	36,558	11,912	58,377	19,022	21,819		63%
San Andreas	18,191	5,928	18,996	6,190	805		96%
Pilarcitos	2,260	737	3,100	1,010	839		73%
Total Local Storage	133,261	43,423	227,792	74,226	94,531		59%
Total System	1,054,365		4,430,973		376,608		74%

[1/] Maximum Hetch Hetchy Reservoir storage with drum gates deactivated.
[2/] Maximum Cherry Reservoir storage with flash-boards out.
[3/] Maximum Lake Eleanor storage with all stop-logs out.
[4/] Available capacity does not take into account current DSOD storage restrictions.

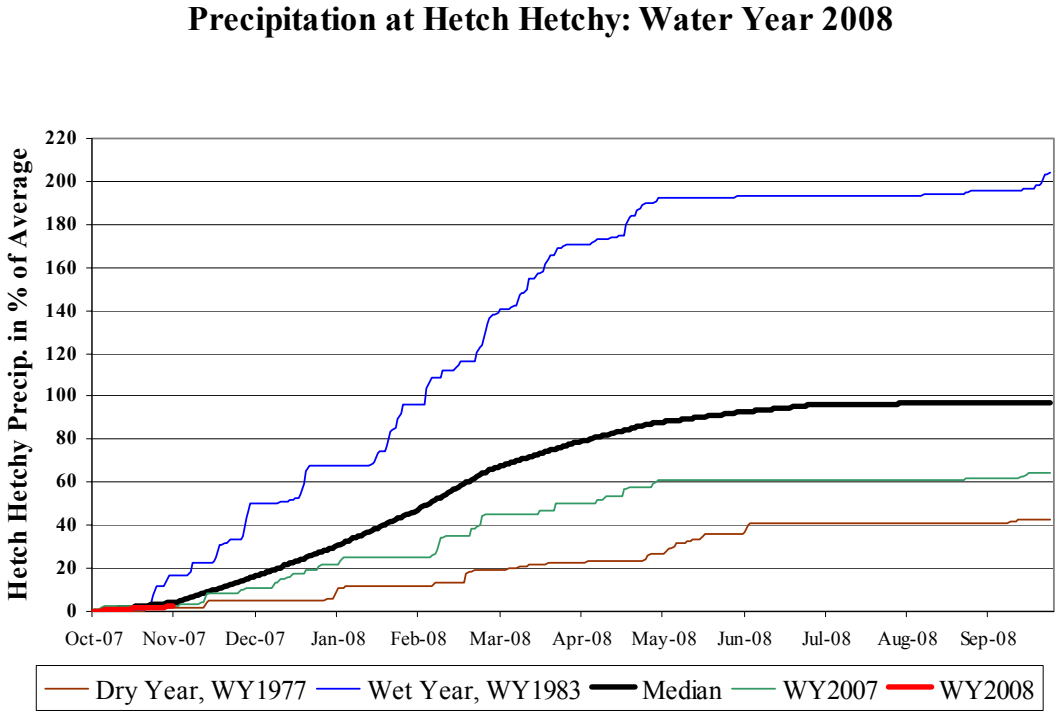
Hetch Hetchy System Precipitation Index [5/]

Current Month: The October precipitation index is 1.35 inches, or 78.1% of the average index for the month. Several localized thunderstorms occurred in the Hetch Hetchy Project basins in late October.

Cumulative Precipitation to Date: The accumulated precipitation index for water year 2008 is 1.35 inches, which is 3.8% of the average annual water year total, or 77.6% of the season-to-date precipitation. The cumulative precipitation for the Hetch Hetchy gauge is shown in Figure 1.

[5/]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 2008 cumulative precipitation received at Hetch Hetchy Reservoir through the end-of-month October. Precipitation for wet, dry, median, and WY 2007 years for the station at Hetch Hetchy is included for comparison purposes.



Tuolumne Basin Unimpaired Inflow

Unimpaired inflow to SFPUC reservoirs and Tuolumne River at La Grange as of October 31st is summarized below in Table 2. Water available to the City is also shown in Table 2.

Table 2
Unimpaired Inflow
Acre-Feet

	October 2007				October 1, 2007 through October 31, 2007			
	Observed Flow	Median[6]	Average[6]	Percent of Average	Observed Flow	Median[6]	Average[6]	Percent of Average
Inflow to Hetch Hetchy Reservoir	1,301	3,221	6,085	21.4%	1,301	3,221	6,085	21.4%
Inflow to Cherry Reservoir and Lake Eleanor	0	2,194	5,127	0%	0	2,194	5,127	0%
Tuolumne River at La Grange	9,025	10,604	16,823	53.6%	9,025	10,604	16,823	53.6%
Water Available to the City	0	0	1,875	0.0%	0	0	1,875	0.0%

[6] Hydrologic Record: 1919 – 2005.

Hetch Hetchy System Operations

Hetch Hetchy inflow in October was less than 22% of average and there was almost no inflow into Cherry and Eleanor. The powerdraft from Hetch Hetchy was matched to SJPL deliveries throughout the month.

Cherry Lake is currently at 47% of capacity. As scheduled, it was drawn down to the 130,000 acre-feet level on October 15th to allow maintenance at the Cherry-Eleanor Pump Station. After inspection, seven pumps were serviced in place and three pumps were removed for repair. During the course of drawdown, about 140,000 acre-feet of water were transferred to City's Water Bank account in Don Pedro Reservoir.

In October, no water was pumped from Lake Eleanor to Cherry Reservoir. Water will be allowed to flow by gravity from Lake Eleanor to Cherry Reservoir when the Pump Station repairs are complete, and calibration and maintenance on the Cherry-Eleanor flow measurement equipment will be performed.

SJPL Diversion

The average rate of the San Joaquin Pipeline diversion during October was 283 mgd.

Local System

The average rate at the Sunol Valley Water Treatment Plant for October was 7 mgd. The average rate at the Harry Tracy Water Treatment Plant for the month of October was 25 mgd. October water demands averaged 196 mgd. Water demand on November 1, 2007 was approximately 182 mgd. October precipitation in the Local System was higher than normal and is presented in Table 3. Minor increases in local streams were observed. Crystal Springs storage is increasing now that demand has decreased.

Table 3 - Precipitation Totals for October at Three Local Reservoirs

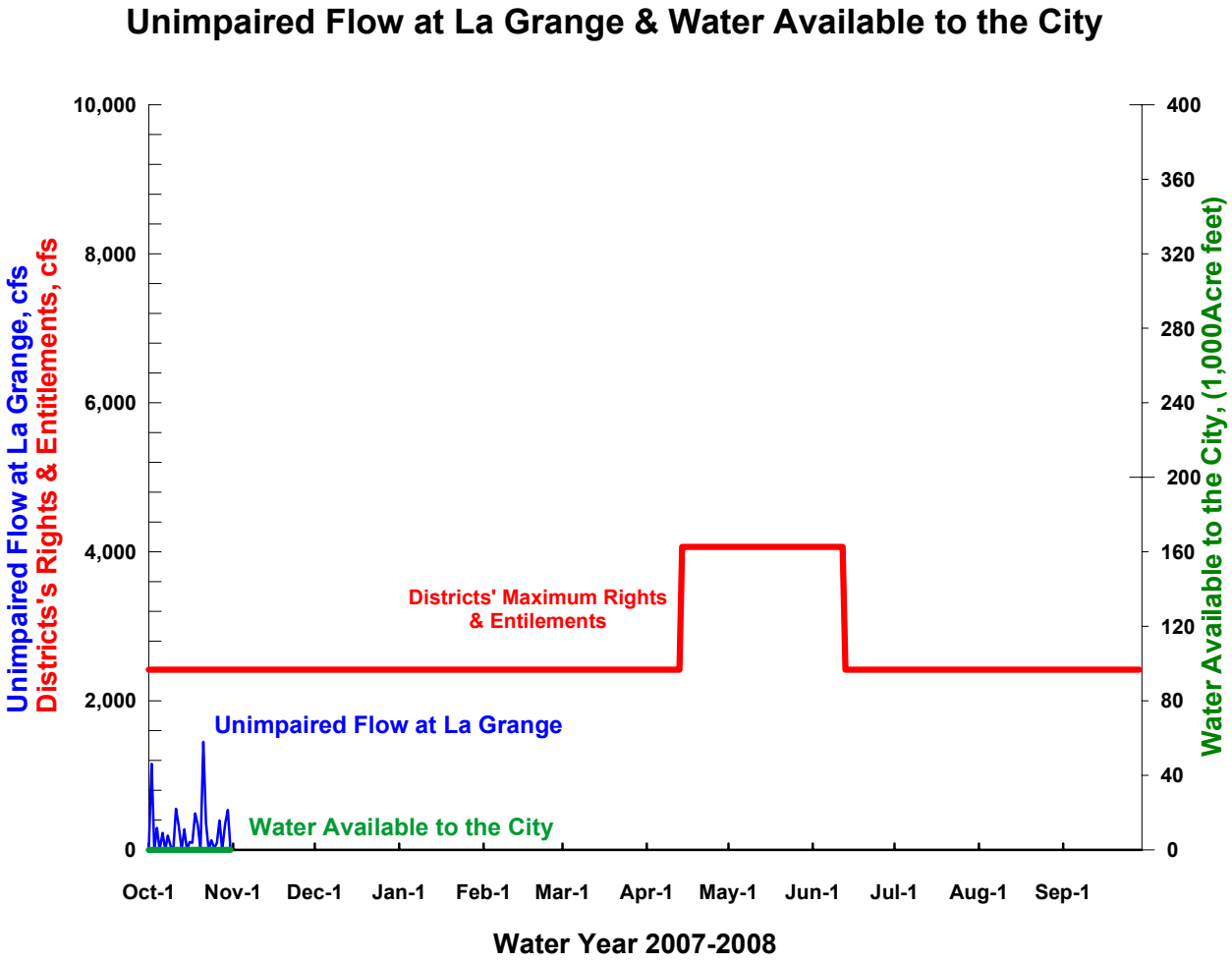
Reservoir	Month Total (inches)	Percentage of Normal for the Month	Year To Date [7] (inches)	Percentage of Normal for the Year to Date [7]
Pilarcitos	3.86	172 %	4.27	143 %
Crystal Springs	2.66	182 %	2.91	152 %
Calaveras	1.93	174 %	2.25	147 %

[7] Since 7-1-2007

Snowmelt and Water Supply

October is the beginning of a new water year. It is typical for this time of the year that the City has no entitlement. Forecasts for November are for below-normal precipitation and above-normal temperature for both the Local System and the Hetch Hetchy area. The three-month forecast calls for normal precipitation and above-normal temperature in the Hetch Hetchy area. A moderate La Nina condition is occurring, based on sea surface temperature in the Pacific. Moderate La Nina events in the past have been associated with a slightly elevated chance of dry winters in central California.

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, 2007 through October 31st, 2007 is zero acre-feet.



cc	HHWP Records	DeGraca, Andrew	Kehoe, Paula	Sandkulla, Nicole
	Bauer, Leo	Fong, Mike	Larramendy, Don	Sanguinetti, Dave
	Briggs, David	Gass, Matt	Levin, Ellen	Tsang, Michael
	Cameron, David	Hale, Barbara	McGurk, Bruce	
	Carlin, Michael	Hannaford, Margaret	Rickson, Norman	
	Chester, John	Jensen, Art	Samii, Camron	

Monthly Report

To: **David Dickson, General Manager**

From: **Cathleen Brennan, Water Resources Analyst**

Agenda: **November 13, 2007**

Subject: **Water Resources Report**

This report is provided as an update on water conservation, outreach, and program development activities to the Board of Directors. No action is required.

□ **Water Conservation Legislation Update.**

Attached is a list of water conservation legislation that was passed. Please note that AB 1420 by Laird requires urban water suppliers to implement the demand management measures as described in the urban water management plan in order to qualify for grants and loans from the State Water Resources Board or the Bay-Delta Authority. The demand management measures are also known as Best Management Practices described in the California Urban Water Conservation Council's Memorandum or Understanding.

□ **Bay Area Water Supply and Conservation Agency (BAWSCA) Annual Survey**

On October 19, 2007, data for Part I of the annual BAWSCA survey was submitted to BAWSCA. This data was for fiscal year 06/07. We are in the process of completing Part II of the survey and will be submitting that data in November.

□ **American Water Works Association (AWWA) 2007 Annual Fall Conference – "Terminating Your Water Challenges" October 22-26, 2007.**

Below is a list of Technical Session that I attended:

- In Depth Review of HMI/SCADA Software Packages
- California in Quest of Energy Efficient Water Desalination Facilities
- Feasibility Study, Bay Area Regional Desalination Project
- Results from the Marin Municipal Water District SWRO Program
- Proposition 84 Update – Status of California's Largest Water Bond and Grant Program
- Optimizing Surface Water Diversion Design with Physical Hydraulic Models
- Integrated Regional Water Management Planning
- Examining California Drought Issues
- Meter Management Systems Part I and Part II

- Using Automation to Drive Water Conservation for the Utility
- Conservation and the Consumption Conundrum – The relationship between water use patterns and effective multi-tiered water rates (Part I and Part II)
- Vendor Exhibits

Technical session materials are available on a CD, if anyone has an interest in reviewing the materials.

□ **Bay Area Water Supply and Conservation Agency (BAWSCA) Technical Advisory Committee (TAC) Meeting – November 1, 2007.**

Art Jensen, the General Manager for BAWSCA, is scheduling meetings during the first two weeks in December to meet with each member agency to discuss contract negotiations with the San Francisco Public Utilities Commission (SFPUC).

Art Jensen distributed a summary sheet regarding the comments submitted to San Francisco regarding the Draft Program Environmental Impact Report (EIR) for the water system improvements. More than 143 comments were submitted. BAWSCA has copies (25) of comments submitted by BAWSCA member agencies, other government agencies, and non-governmental organizations.

□ **Summary of Meeting Participation.**

Pilarcitos IWMP Phone Conference 10/12/2007 2:00pm
Pumpkin Festival 10/13/2007
Employee Meeting 10/17/2007 8:00am
BAWSCA Survey (Part I) Meeting 10/18/2007 8:00am
Pilarcitos IWMP Public Workshop/Water Resources Advisory Committee 10/27/2007
AWWA Conference 10/22/2007-10/26/2007
Water Resources Advisory Committee Meeting (WSE 2006) 11/1/2007 8:30am
Staff Meeting 10/29/2007 8:30am
BAWSCA TAC meeting 11/1/2007 9:30am
Pilarcitos IWMP/Water Resources Advisory Committee 11/5/2007 10:00am

California Urban Water Conservation Council
Legislative Watch - 2007

As of: 10/15/07

AB 566 by Plescia (Water Conservation): Would require, rather than permit, the model ordinance (per the Water Conservation in Landscaping Act) to include climate information for irrigation scheduling based on the CIMIS system. **Support; Steering: Support**
SIGNED BY GOVERNOR, 10/8/07
http://www.leginfo.ca.gov/cgi-bin/postquery?bill_number=ab_566&sess=CUR&house=B&search_type=email

AB 662 by Ruskin (Water conservation): Would require that the standards for minimum levels of operating efficiency be based on those efficiencies that will reduce the energy or water consumption growth rates, and that do not result in any added total costs over the designed life of the appliances concerned. **Support; Steering: Support**
SIGNED BY GOVERNOR, 10/12/07
http://www.leginfo.ca.gov/cgi-bin/postquery?bill_number=ab_662&sess=CUR&house=B&search_type=email

AB 715 by Laird (water conservation: low-flush water closets): Would require that all water closets sold or installed in this state shall use no more than an average of 1.6 gallons per flush and that all urinals sold or installed in this state use no more than an average of one gallon per flush. It would require that, on and after January 1, 2014, all water closets and all urinals, other than blow-out urinals, sold or installed in this state shall be high-efficiency water closets and urinals. **Support; Steering: Support**
SIGNED BY GOVERNOR, 10/11/07
http://www.leginfo.ca.gov/cgi-bin/postquery?bill_number=ab_715&sess=CUR&house=B&search_type=email

AB 1420 by Laird (water demand management measures: water management grant or loan funds): Eligibility for any grant or loan to an urban water supplier awarded or administered by DWR, SWRCB, or the Bay-Delta Authority to be conditioned on the implementation of the water demand management measures (DMMs) described in the urban water management plan (with exceptions as noted). DWR would be required to convene an independent panel to provide recommendations to the legislature relating to adoption, implementation, and reporting of DMMs. DWR must also identify DMMs that achieved a standard of excellence.
Support; Steering: Support
SIGNED BY GOVERNOR, 10/13/07
http://www.leginfo.ca.gov/cgi-bin/postquery?bill_number=ab_1420&sess=CUR&house=B&search_type=email

AB 1560 by Huffman (Public resources: building standards): Would require the Energy Commission to prescribe, by regulation, water conservation design standards for new residential and new nonresidential buildings. **Support; Steering: Support**
SIGNED BY GOVERNOR, 10/12/07
http://www.leginfo.ca.gov/cgi-bin/postquery?bill_number=ab_1560&sess=CUR&house=B&search_type=email

Note: red indicates Legislative Committee recommendations as of 7/17/07; blue is Steering as of 7/30/07 or 9/6/07.

Monthly Report

To: **David Dickson, General Manager**

From: **Cathleen Brennan, Water Resources Analyst**

Agenda: **November 13, 2007**

Subject: **Water Shortage and Drought Contingency Plan**

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. No action is required by the Board of Directors.

ADVISORY STAGE – Stage 1

- **Outreach**

√ Pumpkin Festival –October 13th
Regional Water Saving Hero Campaign Banner
Regional Water Saving Hero Brochure
Water Shortage Advisory Poster
Practical Plumbing Handbook
Home Energy Magazine – Water Edition
Dye tablets (toilet leak detection)
Coastside County Water District Water Magnet
Coastside County Water District Pen

Since the majority of the public attending the Pumpkin Festival were not customers of Coastside County Water District, I did not distribute water conservation devices (showerheads and faucet aerators) that are used to calculate water savings in our service area.

I would like to thank the Sewer Authority Mid Coastside (SAM) for sharing our table and providing materials to hand out to the public. John Szabo, Susan Turbay and David Partida of SAM contributed toward the success of the outreach event by volunteering their time and knowledge. Combining our outreach efforts during the event was very successful.

√ A special message on the water account (bill) statement appears requesting customers to reduce their water consumption by 10%.

√ A bill stuffer this fall reminding customers to turn off their irrigation system while it is raining.

Seasons Change

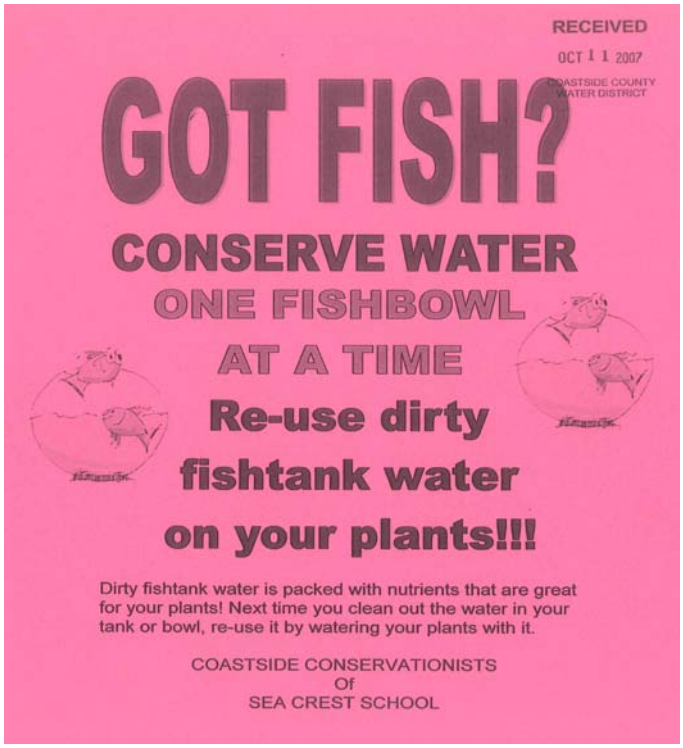
Coastside County Water District
766 Main Street
Half Moon Bay, CA 94019
650-726-4405
www.coastsidewater.org

Irrigate efficiently by adjusting your watering schedule for the season.

- Reduce the amount you irrigate this fall and winter.
- Remember to turn off your irrigation system, while it is raining.

Fall has arrived

√ Sea Crest School students distributed a flyer in Half Moon Bay with the suggestion to re-use fish tank water on your plants.



▪ **Meetings/Workshops**

√ Employee meeting 10/17/2007

√ American Water Works Association Fall Conference 10/22-26/2007. As part of this conference, I attended a technical program on California drought issues.

▪ **10% Water Savings Goal**

√ The San Francisco Public Utilities Commission (SFPUC) has reported the regional water system (wholesale and retail) is meeting the 10% water savings goal.

The 2007 water year (October 1, 2006 – September 30, 2007) was critically dry. Hetch Hetchy precipitation in WY 2007 was 67% of median and the flow available to San Francisco was 13% less than average. The Tuolumne reservoirs are 10% below normal stage. Long range forecasts for water year 2008 have no clear predictions for precipitation. A dry fall and winter will result in mandatory rationing early in the 2008 calendar year.

MONTHLY REPORT

To: **David Dickson, General Manager**

From: **Joe Guistino, Superintendent of Operations**

Agenda: **November 13, 2007**

Report Date: **November 7, 2007**

Source of Supply
Crystal Springs, Denniston Reservoir and Denniston Wells #1, #3 & #9 were the main source of supply for the month of August.

Projects
Main Street Project
Some punch list items are still in need of completion.
Left to be complete are:

-removal of some services and valve cans from the old line
-new meter box at the Twice As Nice
-meter installation for median strips
-many of our valves are still buried and must be made flush with the roadway
-PRV vault on Main Street to be brought to grade

Denniston Storage Tank Modification/El Granada Pump Station Modification Project
The notice to proceed was issued to Stoloski & Gonzales on 10 October. The contractor installed the pipeline from the plant to the top of the hill by Denniston Tank. The plant effluent line was tapped and the pipeline connected and isolation valve installed.

Cost estimate for change order #1 for the El Granada Pump Station Modification was submitted by the contractor and subject for approval at this meeting.

Short Term Improvement Project
Steve Twitchell, Jim Teter and KC Immel (JM Turner Engineering) met on 24 October to discuss items associated with the Nunes improvements. Discussions included structural needs, entrance and egress and sealant for chemical containment areas, construction phasing, mechanical improvements to the static mixing system, and bottom door relocation.

Denniston structural design should be complete in two weeks.

Automatic Meter Reading Pilot
The Contract between the District and National Meter and Automation Inc. has been signed and work is scheduled to start on 12 November.

Denniston Reservoir
In October, we had sent a dredging application to The Army Corps of Engineers (ACOE) in order to gain nexus to the US Fish and Wildlife Service (USF&W). The ACOE responded that they do not feel that they have jurisdiction over this project. The environmental consultant will be contacting them in November to negotiate terms that will enable them to get involved. The nexus to the USF&W is important in that they will provide the expertise needed on endangered species and more likely to accept our mitigation plans for the California Red Legged Frog and the San Francisco Garter Snake. The California Department of Fish and Game (CDF&G) will be more apt to follow the leadership of the federal body on this regard to allow us the required streambed alteration permit to achieve our goal to dredge 400 yards of silt from around our intake.

Denniston Well Rehabilitation Project
The contractor inspected, swabbed and bailed Denniston Well #4. They will be installing a test pump this week. They will start on the inspection and rehabilitation of Denniston Well #5 in November.

Systems Improvement:
Beautification Efforts
Denniston Pump Station is presently being painted.
We have started to clean up all reservoir sites. Roofs, screens and general tidiness at each reservoir are being addressed.

Shop Security
In response to last month's theft of scrap metal, we have added an entrance alarm to the shop area and have plans for an additional camera in the corp yard. All scrap metal is presently being stored at Nunes WTP.

New Shop Roof
The shop roof had been leaking for a number of years. Various patch jobs did not remedy the problem. We had a professional roofing company redo the roof on 25 October.

Update on Other Activities:
Belleville Boulevard Line Relocation
This project is complete.

Denniston Backwash Return Pump
We await the parts for repair of this item. We estimate that it will be complete in November.

All Employee Meeting
I conducted an All Employee Meeting on Wednesday, 17 October. (a copy of the agenda follows this report).

New Hire
Mateo Pacheco was hired on as our new Temporary Maintenance Worker replacing Daniel Williams, who was hired on permanently on 24 September. Mateo has been working for a local construction contractor and brings his intelligence, energy, and reliability to our crew.

Water Leak at the Pump Station
The On-Call Operator responded to a Bay Alarm notification about a breach of security at the Denniston Pump Station at 0300 on 1 October. Upon arrival, he found water spilling out from under the door at about 20 gpm. A priming line had blown off of the 60 HP pump and was spraying water onto the electrical and Bay Alarm panels. With the assistance of the treatment supervisor, he shut down the treatment plant, made necessary repairs and had it back on line within a few minutes.

Earthquake
A magnitude 5.6 earthquake occurred on the Calaveras Fault near Alum Rock at 2006 on 30 October. Steve Twitchell and Don Patterson responded by checking the treatment plants and all reservoir sites. They reported no damage.

Safety/Training/Inspections/Meetings
Safety Committee
There was no Safety Committee meet in October. Cintas is presently developing an evacuation plan for District Center to include the main building and the shop.

One of the items that came up with our evacuation drill in September was the inability to leave the premises on foot through the back gate. Also, if the power is down, the gate will not operate. We have instituted the following safeguards:

- keypad on the inside of the gate
- manual instructions to crank the gate operating motor in the event of a power outage.
- These same precautions were also instituted at Nunes WTP.

NIMS Training
Matt Damrosch, Don Patterson and Danny Williams attended a National Incident Management System class on Tuesday, 10 October put on by Cintas at SAM.

Cal/Nev Section AWWA Fall Conference

Don Patterson, Jack Whelen, Jon Bruce and Matt Damrosch attended the AWWA Fall Conference in Sacramento on Tuesday afternoon and all day Wednesday, 23 and 24 October. They made many good contacts with vendors and colleagues as well as garnered valuable contact hours towards their respective Treatment and Distribution Certifications. Please reference my report that follows.

Pilarcitos Integrated Water Management Plan

See report that follows.

English Class

Steve Twitchell attended an all day Grammar and Proofreading course in Sacramento on 18 October.

Chemical Security Survey

Staff anonymously completed an on-line survey on the security of our on-site chemicals for American Water Works Association, Association of Metropolitan Water Agencies, National Association of Clean Water Agencies and the National Association of Water Companies. This feedback will be used to inform the federal government as to the actions being undertaken by our industry to reduce their vulnerabilities.

Meetings Attended

1 October - District Staff Appreciation BBQ.
4 October – Department of Public Health Inspection. Nunes WTP
12 October – Interview Mateo Pacheco for Temp Maintenance Worker
17 October – Meet and Greet with Joseph Lanthier of Teamsters Local 856
18 October – Pilarcitos Integrated Watershed Management Plan Conference Call.
21 October – Cal/Nev Section AWWA Governing Board Training and Mission Retreat. Sacramento, CA
22 October – Cal/Nev Section AWWA Committee Meetings: Research, System Water Quality, Treatment, Source Water, Smaller Systems, Top Ops and Water Quality Analysis Committees.
22 October – Cal/Nev Section AWWA Division Meeting
25 October - Cal/Nev Section AWWA Annual Governing Board Meeting. Sacramento, CA
29 October – Labor Relations Contractor Austris Rungis.
30 October – Department of Public Health Inspection. Denniston WTP and Reservoir Sites
31 October – Mike Britten, Corrollo Engineers on El Granada Phase 3 Contract Management.

Department of Public Health
The California Department of Health Services has changed its name to California Department of Public Health.

Annual Inspection
Our annual inspections took place 4 and 30 October. On 4 October, our assigned Inspector, Thuy Van Nguyen, was accompanied by a trainee to do the inspection of Nunes WTP. They were very impressed with the upgrades that we have completed in the last year, including the filter rinse system improvements, automatic sludge valve, laboratory and process instrumentation upgrades and the in-line flow meter. She suggested that we install filter flow and headloss meters, which, we assured her, were slated to be installed this winter.

Van returned on 30 October to inspect Denniston WTP and some reservoir sites. Again, she was impressed with the state of the treatment plant and commended us on our efforts. Again, the issue of the filter flow meters came up, which we assured her was scheduled to be done consecutively with the Nunes facility.

She had some comments on the state of our distribution reservoirs. These concerns mainly involved instances of corrosion evident on the hull and around the screens and hatch and the influence of debris caused by trees on the roofs of the tanks. We assured her that our CIP addresses tank coating and corrosion issues and that we will initiate a program to replace/repair corrosion spots in the interim. We visited El Granada Tank 1 and 2, Miramar and Half Moon Bay Tanks 1, 2 and 3.

Van will return in the next month or two to complete the tour of the system reservoirs.

Coastside County Water District

Employee Meeting – Wednesday, October 17, 2007 – 8:00 a.m.

1. Introduction – David Dickson, CCWD General Manager – *(attachment)*

2. CCWD Board of Directors Meeting – Tuesday, October 9, 2007

- Public Outreach/Program Development/Water Resource Analyst's Report
    - Monthly Report – (*attachment)*
    - Update on Water Shortage & Drought Contingency Plan – *(attachment)*
- Superintendent of Operations Report
    - Monthly Report (*attachment)*
    - Meet and Greet with Joseph Lanthier of Teamsters Local 856 – Wednesday, October 17th at 10:00 a.m.
    - American Water Works Association Conference – October 22nd – 26th
    - Thank yous
- General Business
    - Award of Contract for the Construction of Phase 3 of the El Granada Pipeline Replacement Project – *(attachment)*
    - Award of Contract with National Meter & Automation, Inc. for the Automatic Meter Reading Pilot Program – *(attachment)*
    - Authorization to purchase new fleet vehicle – *(attachment)*
    - Updates to the CCWD Personnel Manual and preparation of a Request for Proposal for a salary and benefit survey – *(attachment)*
    - Discussion and direction to staff regarding CCWD Advisory Committees – *(attachment)*

3. Questions, Comments, Concerns

4. Adjournment

9 November 2007

Ms. Thuy Van Nguyen
State of California
Department of Health Services
Drinking Water Field Operations Branch
850 Marina Bay Parkway, Building P, 2nd Floor
Richmond, CA 94804-6403

Reference: October 2007 Monthly Report

Dear Ms. Nguyen:

Enclosed are the following reports for **October.**

Distribution System:

- 31 Total Coliform samples completed.
- Quarterly Disinfection Byproducts Report - TTHM
- Quarterly Disinfection Byproducts Report – HAA5

Nunes Water Treatment Plant:

- Nunes Monthly Summary of Monitoring for SWTR (page 1, 2 and 3)
- Monthly Iron for **October**
- CT Compliance spreadsheet for **October**
- Individual Filter Monitoring Report (1 page)

Denniston Water Treatment Plant:

- Denniston Monthly Summary of Monitoring for SWTR (page 1, 2 and 3)
- Monthly Iron, Manganese and Aluminum Report for **October**
- Monthly Iron, Manganese and Aluminum Report for **September**
- CT Compliance spreadsheet for **October**
- Individual Filter Monitoring Report (4 pages)

If you have any questions with the reports submitted or would like additional information regarding this matter, please do not hesitate to contact me.

Sincerely,

Joe Guistino
Superintendent of Operations
Coastside County Water District
650 726 4405
jguistino@coastsidewater.org

STAFF REPORT

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

From: **Joe Guistino, Superintendent of Operations**

Agenda: **November 13, 2007**

Report Date: November 7 2007

Subject: **Trip Report – Cal/Nev Section AWWA Fall Conference 2007**

Recommendation:
For your information.

Discussion:
I attended the Cal/Nev Section AWWA Fall conference in Sacramento from Sunday through Thursday 21-25 October.

On Sunday, I attended a retreat and specialized training for the Governing Board of the Cal/Nev Section AWWA (Section). In attendance were the Executive Committee, Section staff, Section Trustees, National Director, Division Chairs (myself) and Vice Chairs, and the Vice Chair of the National AWWA. Topics discussed included the value of membership to participating utilities, increasing the effectiveness of the Section's Governing Board, promoting the vision and mission of the Section and enhancing the Section's image. The meeting went from noon to 6 pm.

On Monday, I attended the following meetings:

- Governing Board Kickoff Meeting
- Source Water Committee
- Research Committee
- System Water Quality Committee
- Treatment Committee
- Water Quality Analysis Committee
- Small Systems Committee
- Water Quality Division
- Top-Ops Committee

With the exception of the Top Ops Committee, the 6 committees mentioned comprise the Water Quality Division. As vice chair of the Division, I attended

the meetings to monitor their plans, disseminate information from the Governing Board kickoff meeting, set the schedule for submittal of the technical programs and act as liaison to the rest of the Division Committees. The chair of each committee is responsible for their respective technical program of at least six 30-minute talks. At the Division Meeting, I took over the chairpersonship of the Division. My duties include attending 4 Governing Board Meeting over the course of the year (2 are at the Spring and Fall Conferences), guide, monitor and coordinate activities of the Division, submittal of an annual budget, and other activities that will allow the Committees to effectively discharge their responsibilities for the year.

Tuesday morning I attended the Opening Session, which doubles as the official Annual Section meeting, the Awards Ceremony and the Keynote Luncheon. Of note, I was presented with the Chair's award, which is given by the Section Chair to individuals who have made outstanding or unusual service to the Section over the years. The Keynote Speaker, Dietrich Stroeh, was one of the most compelling speakers that I have seen at these events. Mr. Stroeh was the General Manager of the Marin Municipal Water District during the drought of the late 70s and the topic of a book by Michael McCarthy titled "The Man Who Made It Rain". I have ordered a copy of this book for our library.

Tuesday afternoon was spent at the vendor's area where I garnered information and materials on corrosion control, reservoir cleaning, and onsite generation of chlorine. I also took in a presentation on asset management.

Wednesday was spent attending technical sessions and discussions with my counterparts at other California Water Districts, most notably Mike Oblenis, Operations Manager at San Juan Water District, Conrad Tona, Productions Manager for Zone 7 Water Agency, Coulter Anderson, Water Facilities Supervisor for Zone 7, John Parsons, Treatment Supervisor at Contra Costa Water District and Charles Wulff, Gary Lynch and Dawn White, members of the Executive Board of the Section. In addition, I spent time on the planning of the Division with other members of the governing board.

On Thursday, I was able to attend many of the technical sessions that I helped to organize last Spring and attended the annual meeting of the Governing Board Meeting for the Section. The following were the most noteworthy talks that I attended:

- The CEQA Process for Public and Private Water Companies- Peter Ruggerello, CDPH
- Water Loss Prevention Through Corrosion Control Advancements- Jeffrey A. Rog, CORPRO Companies, Inc.

- Distribution System Efficiency – Cliff Wilson, Wachs Utility Services
- Maximizing Revenue through Large Meter Maintenance – Sean Harrington, EBMUD
- Controlling Water Loss-System Audits and Leak Detection – Bryan Chambers, Heath Consultants

Fiscal Impact: Total cost of this trip was $1179.93.

MONTHLY REPORT

To: **David Dickson, General Manager**

From: **Jim Teter, District Engineer**

Agenda: **November 13, 2007**

Report Date: **November 7, 2007**

Subject: **Engineering Projects Received for Review During October, 2007**

Recommendation:

None. The agenda item is informational.

Background:

The Board of Directors has requested a monthly report from the District Engineer on proposed new developments which have been forwarded to him for engineering review.

Projects Received:

There were no projects received for review.

Fiscal Impact:

None. All costs of engineering review are paid by the project applicant.

MONTHLY REPORT

To: **David Dickson, General Manager**

From: **Jim Teter, District Engineer**

Agenda: **November 13, 2007**

Report Date: **November 7, 2007**

Subject: **District Engineer Work Status Report**

Recommendation:

None. The agenda item is informational.

Background:

The Board of Directors has requested a monthly status report from the District Engineer on his activities.

Work Performed Since Last Board Meeting

Work performed since the last Board of Directors meeting includes:

- Water Treatment Plant Short-Term Improvements. Engineering work is continuing. J. M. Turner Engineering, Inc. completed the design drawings for the Denniston WTP structural modifications, and submitted a proposal for the first of two phases of design drawings for the Nunes WTP structural modifications. Teter continued work on his drawings for the Nunes WTP modifications, and reviewed shop drawing submittals from Stoloski & Gonzalez for the Denniston Storage Tank Modifications Project.
- Phase 3 El Granada Pipeline Replacement Project: Responded to questions from the Board President and the General Manager regarding construction management requirements. Reviewed the archeological report from Holman & Associates, and provided review comments.
- Engineering Advice. Provided the District staff with advice on an as-requested basis on engineering-related topics.

Current Work Assignments:

A description and status report on the District Engineer's current work assignments follows:

1. Phase 3 El Granada Transmission Pipeline Replacement Project. Provided advice and assistance to the General Manager on an as-requested basis.

2. Short-Term Improvements at Nunes & Denniston WTPs.

   Denniston WTP Improvements:

   A. Denniston Storage Tank Modifications Project. A construction contract has been awarded to Stoloski & Gonzalez, Inc. in the amount of $534,500. Construction on the pipeline portion between the treatment plant and the storage tank has been completed. The storage tank modification work will not begin until January 2008, during the rainy season, when it is safer to take the tank out of service.

   B. El Granada Storage Tank No. 1 Site Piping Modifications. This sub-project is linked to the Denniston WTP Improvements because it will modify the piping at El Granada Tank No. 1 to allow flow out of the tank should the volume of water stored in that tank be needed during the period that the Denniston tank is out of service for modifications. The engineering documents have been forwarded to Stoloski & Gonzalez, Inc. for a price quotation, and should that price be acceptable the work will be added to the Denniston Storage Tank Modifications Project as a change order.

   C. Denniston WTP Improvements. Design work is continuing on the modifications which consist of (1) replacement of the existing gas chlorination facilities with on-site hypochlorite generation facilities, (2) replacement of all of the chemical feed pumps with new feed pumps and all but one of the chemical storage tank with new tanks, (3) construction of chemical containment facilities, (4) replacement of the SCADA system, and (5) other miscellaneous improvements. The design drawings for the piping and structural work have been completed and forwarded to the District for review. The District Engineer is continuing working towards completion of the remaining Contract Documents.

Nunes WTP Improvements:
Design work is continuing on the modifications which consist of (1) replacement of the existing gas chlorination facilities with on-site hypochlorite generation facilities, (2) replacement of all of the chemical feed pumps with new pumps and all of the chemical storage tanks with new tanks, (3) construction of concrete walls for chemical containment, (4) replacement of the SCADA system, and (5) other miscellaneous improvements. The District Engineer is nearing the completion of his design drawings, and a proposal has been received from J.M.Turner Engineering, Inc. for preparation of the first of two phases of the structural design drawings.

Fiscal Impact:

1. Phase 3 El Granada Transmission Pipeline Replacement Project. The FY 07/08 Capital Improvement Program budget contains funding for this project.

2. Short-Term Water Treatment Plant Improvements. The FY 07/08 Capital Improvement Program budget contains funding for this project.

COASTSIDE COUNTY WATER DISTRICT

INTERNAL ADVISORY COMMITTEE REPORT

Advisory Committee:	Water Resources Committee
Meeting Date and Time:	October 27, 2007 10:00am
Committee Members:	Chris Mickelsen, Vice President Bob Feldman, Director Cathleen Brennan, Water Resources Analyst David Dickson, General Manager Joe Guistino, Superintendent of Operations
Meeting attended by:	Jim Larimer, President Chris Mickelsen, Vice President Bob Feldman, Director Everett Ascher, Director Ken Coverdell, Director Cathleen Brennan, Water Resources Analyst Joe Guistino, Superintendent of Operations Pilarcitos IWMP Workgroup General Public
Subject:	Pilarcitos Integrated Water Management Plan Workgroup Public Workshop

Committee Recommendations: None.

The title of this workshop was PILARCITOS – RESTORING OUR WATERSHED. The agenda included the following presentations:

- Rich Allen, President of the San Mateo County Resource Conservation District
- Kellyx Nelson, Executive Director of the San Mateo County Resource Conservation District
- Mike Liquori, Principal, Sound Watershed Consulting
- Keith Mangold, Pilarcitos Creek Advisory Committee
- Adam Parris , Associate, Philip Williams and Associates, Ltd

After the presentations on the Pilarcitos Watershed, the Draft Watershed Assessment and the Goals and Objectives; the workshop attendees participated in break out sessions to provide input on the watershed assessment and the goals and objectives.

There were a total of 49 people that attended the workshop. Of the total number of attendees, 34 were from the general public and do not participate in the Pilarcitos Integrated Water Management Plan Workgroup, also known as the Pilarcitos Creek Restoration Workgroup.

Evaluations from the attendees were positive overall and the attendees said that they would attend future workshops.

The next public workshop is scheduled for early next year.

COASTSIDE COUNTY WATER DISTRICT

INTERNAL ADVISORY COMMITTEE REPORT

Advisory Committee:	Water Resources Committee
Meeting Date and Time:	November 5, 2007 10:00am
Committee Members:	Chris Mickelsen, Vice President Bob Feldman, Director Cathleen Brennan, Water Resources Analyst David Dickson, General Manager Joe Guistino, Superintendent of Operations
Meeting attended by:	Chris Mickelsen, Vice President Bob Feldman, Director Cathleen Brennan, Water Resources Analyst David Dickson, General Manager Pilarcitos IWMP
Subject:	Pilarcitos Integrated Water Management Plan Workgroup

Committee Recommendations: **None.**

The workgroup meeting was held at Coastside County Water District. The meeting began with introductions and an open comment period.

There was a debriefing on the October 27th public workshop. The written feedback from the participants was positive. During the debriefing there was a discussion on how and when the public was notified about the workshop. From this discussion, it was suggested that Coastside County Water District send an invitation or a notification of the next public workshop to all of its customers.

There was a discussion regarding the purpose statement and how that should be worded for the Integrated Watershed Management Plan. The Memorandum of Understanding and the Scope of Work were referenced for the discussion. This has been an ongoing discussion that the group has been involved in regarding the goals and objectives. It was agreed that we should not change any wording in existing documents but that we could craft an appropriate statement for the Integrated Watershed Management Plan.

The next public workshop was originally scheduled for January 26, 2008. While discussing the schedule of work required for the next workshop, it was agreed that the January 26th date was not feasible. The workgroup is now considering February 23rd or March 1st.

It was agreed that the workgroup needed to meet again before the end of the year, so a meeting was scheduled for December 3, 2007.

COASTSIDE COUNTY WATER DISTRICT

INTERNAL ADVISORY COMMITTEE REPORT

Advisory Committee: Water Quality Committee

Meeting Date and Time: November 1, 2007 9:00am

Committee Members: Chris Mickelsen, Vice President
Bob Feldman, Director
Steve Twitchell, Treatment Supervisor
David Dickson, General Manager
Joe Guistino, Superintendent of Operations

Subject: Quarterly Water Quality Status Assessment

Committee Recommendations: None.

Staff presented the results of the last quarter's water quality compliance testing as well as the schedule for the 4th quarter 2007. Also presented, but not discussed, were the results of our self-monitoring program for Denniston Creek. This report is sent to the Regional Water Quality Control Board annually and shows the results of the monitoring of the creek whenever there is a discharge from the backwash basins.

Most of the meeting discussion concerned the Initial Distribution System Evaluation (IDSE), which is part of the Stage 2 Disinfection By-Product Rule and the most recent annual Department of Public Health (DPH) Inspections. The Department of Health Services recently changed their title to DPH.

We reported that the IDSE monitoring plan was submitted in September as per our required schedule. The plan was developed by a Water Quality Consultant and shows an increase in sample sites and frequency for disinfection by product testing.

Our annual inspections took place 4 and 30 October. On 4 October, our assigned Inspector, Thuy Van Nguyen, was accompanied by a trainee to do the inspection of Nunes WTP. They were very impressed with the upgrades that we have completed in the last year, including the filter rinse system improvements, automatic sludge valve, laboratory and process instrumentation upgrades and the in-line flow meter. She suggested that we install filter flow and headloss meters, which, we assured her, were slated to be installed this winter.

Van returned on 30 October to inspect Denniston WTP and some reservoir sites. Again, she was impressed with the state of the treatment plant and commended us on our efforts. Again, the issue of the filter flow meters came up, which we assured her was scheduled to be done consecutively with the Nunes facility.

She had some comments on the state of our distribution reservoirs. These concerns mainly involved instances of corrosion evident on the hull and around the screens and hatch and the influence of debris caused by trees on the roofs of the tanks. We assured her that our CIP addresses tank coating and corrosion issues and that we will initiate a program to replace/repair corrosion spots in the interim. We visited El Granada Tank 1 and 2, Miramar and Half Moon Bay Tanks 1, 2 and 3.

Van will return in the next month or two to complete the tour of the system reservoirs.