COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MEETING OF THE BOARD OF DIRECTORS

Tuesday, December 14, 2010– 7:00 p.m.

AGENDA

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

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

This agenda and accompanying materials can be viewed on Coastside County Water District's website located at: www.coastsidewater.org.

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 COMMENTS

At this time members of the public may address the Board of Directors on issues not listed on the agenda which are within the purview of the Coastside County Water District. Comments on matters that are listed on the agenda may be made at the time the Board is considering each item. Each speaker is allowed a maximum of three (3) minutes and must complete and submit a speaker slip. The President of the Board will recognize each speaker, at which time the speaker should proceed to the podium, give their name and address and provide their comments to the Board.

4) SPECIAL ORDER OF BUSINESS

A. Election of Board President and Vice-President (attachment)

B. Resolution 2010-09 – A Resolution of the Board of Directors of the Coastside County Water District expressing gratitude to Chris Mickelsen for his leadership and dedicated service to the community in his capacity of President of the CCWD Board of Directors (attachment)

5) 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 November 30, 2010 – Claims: $411,676.08; Payroll: $78,838.49 for a total of $490,514.57 (attachment)

B. Acceptance of Financial Reports (attachment)

C. Minutes of the November 9, 2010 Board of Directors Meeting (attachment)

D. Monthly Water Transfer Report (attachment)

E. Installed Water Connection Capacity and Water Meters Report (attachment)

F. Total CCWD Production Report (attachment)

G. CCWD Monthly Sales by Category Report (attachment)

H. November 2010 Leak Report (attachment)

I. Rainfall Reports (attachment)

J. San Francisco Public Utilities Commission Hydrological Conditions Report for November 2010 (attachment)

K. Notice of Completion for Nunes Short Term Improvement Project (attachment)

L. Approval of Andreini Right of Entry Permit Agreement (attachment)

6) MEETINGS ATTENDED / DIRECTOR COMMENTS

7) GENERAL BUSINESS

A. Approval of Agreement with Balance Hydrologics for Gaging Denniston and San Vicente Creeks and Monitoring Wells (attachment)
B. Resolution 2010-10 - Approving Tier 2 Drought Implementation Plan Pursuant to Section 3.11.C of the Water Supply Agreement with San Francisco (attachment)
C. Approval of Funding for Pilarcitos Stream Gage and Resource Conservation District Management Services (attachment)
D. Approval of Letter Agreement with Ailanto Properties, Inc. for Conveyance of Non-Priority Water Service Connections (attachment)
E. Approval of Denniston Flash Mixer Purchase (attachment)
F. Approve Resolutions Required to Implement New CalPERS Tier 2 (attachment)

8) GENERAL MANAGER'S REPORT INCLUDING MONTHLY INFORMATIONAL REPORTS (attachment)

- Water Reclamation Update
- SFPUC Rate Study
- CCWD-SFPUC Operations Meeting
- Denniston Raw Water Piping Failure

A. Operations Report (attachment)
B. Water Resources Report (attachment)

9) DIRECTOR AGENDA ITEMS – REQUESTS FOR FUTURE BOARD MEETINGS

10) ADJOURNMENT

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **December 14, 2010**

Subject: **Election of Coastside County Water District Board President and Vice-President**

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Recommendation:

Consider election of officers.

Background:

Traditionally, the Coastside County Water District Board of Directors considers the election of officers for Board President and Vice-President annually, at the December Board meeting.

Fiscal Impact:

None.

RESOLUTION 2010-09

A RESOLUTON OF THE BOARD OF DIRECTORS OF THE COASTSIDE COUNTY WATER DISTRICT EXPRESSING ITS GRATITUDE TO CHRISTIAN R. MICKELSEN FOR HIS LEADERSHIP AND DEDICATED SERVICE TO THE COMMUNITY IN HIS CAPACITY AS PRESIDENT OF THE BOARD OF DIRECTORS

WHEREAS, *Christian R. Mickelsen was elected by the voters to serve on the Board of Directors of the Coastside County Water District in November, 2001; and thereafter was reelected in November of 2005 and again in November of 2009; and*

WHEREAS, *Director Mickelsen was thereafter elected by his fellow Directors to serve as President of the Board and served three terms as President, from January 2005 to January 2006, from December 2008 to December 2009 and again from December 2009 to December 2010; and*

WHEREAS, *Additionally, Christian R. Mickelsen was originally appointed to serve at the first meeting of the Board of Directors of the Bay Area Water Supply & Conservation Agency (BAWSCA) and the Bay Area Regional Water System Financing Authority (RFA) in June of 2003 and completed a two-year term and was appointed to serve a second term, from June 2005 through June 2009; and*

WHEREAS, *during his service on the BAWSCA and RFA Boards, many accomplishments were achieved, including: a commitment to the coordinated planning and implementation of strategies for water supply, conservation, water recycling, and repair and improvement of the San Francisco Regional Water System operated by the City and County of San Francisco; the adoption of the San Francisco Public Utilities Commission's Water System Improvement Program; and successful negotiation of a new Water Supply Agreement with San Francisco which secures the reliability of high quality water at a fair price; and*

WHEREAS, *during his tenure as Board President, Christian R. Mickelsen oversaw numerous significant improvements and accomplishments at the Coastside County Water District, including:*

- *Completion of a major pipeline replacement project along with related facilities and appurtenances*
- *Completion of multiple District infrastructure improvement projects*
- *First ever "Water Summit" held in cooperation and involvement with numerous other public agencies and organizations*
- *Increased outreach to schools and the general public on water conservation*
- *Improved communication and cooperation with other public agencies*
- *Continuous efforts towards a goal of establishing a water reclamation project with the local wastewater agency, Sewer Authority Mid-Coastside*
- *Implementation of a comprehensive multi-year capital improvement program, a financially sound and successful operating budget, and compliance with increasingly restrictive water quality requirements*

WHEREAS, *the Coastside County Water District is poised to continue the successes achieved under President Mickelsen's leadership thanks to his hard work and dedication.*

NOW, THEREFORE, BE IT RESOLVED *that the Board of Directors of the Coastside County Water District does hereby express its sincere thanks and appreciation to Christian R. Mickelsen for his dedicated service to the community as President of the Board of Directors of the Coastside County Water District and looks forward to his continued service as a Director for the remainder of his term through November 2013 and possibly beyond.*

PASSED AND ADOPTED *this 14th day of December 2010 by the following votes of the Board of Directors:*

AYES:
NOES:
ABSENT:

_____
President, Board of Directors
Coastside County Water District

_____
David R. Dickson, Secretary of the Board

Check Number	Vendor No	Vendor Name	Check Date	Void Amount	Check Amount
15368	COU05	RECORDER'S OFFICE	11/04/2010	0.00	24.00
15369	ALL04	ALLIED WASTE SERVICES #925	11/10/2010	0.00	271.98
15370	ALV01	ALVES PETROLEUM, INC.	11/10/2010	0.00	1,726.61
15371	ASS01	HEALTH BENEFITS AUTHORITY (HBA	11/10/2010	0.00	19,345.77
15372	ATT01	AT&T MOBILTY	11/10/2010	0.00	49.99
15373	ATT02	AT&T	11/10/2010	0.00	1,271.07
15374	BRE01	CATHLEEN BRENNAN	11/10/2010	0.00	197.53
15375	COA 15	COASTSIDE NET, INC	11/10/2010	0.00	59.95
15376	HAR03	HARTFORD LIFE INSURANCE CO.	11/10/2010	0.00	1,559.36
15377	KAI01	KAISER FOUNDATION HEALTH	11/10/2010	0.00	9,054.00
15378	OCE04	OCEAN SHORE CO.	11/10/2010	0.00	1,636.76
15379	PAC02	PACIFICA CREDIT UNION	11/10/2010	0.00	750.00
15380	PUB01	PUB. EMP. RETIRE SYSTEM	11/10/2010	0.00	16,547.57
15381	VAL01	VALIC	11/10/2010	0.00	1,370.00
15382	COU05	RECORDER'S OFFICE	11/10/2010	0.00	24.00
15383	COU05	RECORDER'S OFFICE	11/10/2010	0.00	24.00
15384	CAL28	CALIF REGIONAL WATER QUALITY B	11/12/2010	0.00	1,452.00
15385	A1001	A-1 SEPTIC TANK SERVICE	11/24/2010	0.00	525.00
15386	ADP01	ADP, INC.	11/24/2010	0.00	531.20
15387	ADV02	FRANK YAMELLO	11/24/2010	0.00	207.00
15388	ALI01	ALIFANO TECHNOLOGIES LLC	11/24/2010	0.00	208.16
15389	AME09	AMERICAN WATER WORKS ASSOC.	11/24/2010	0.00	338.00
15390	ANC01	ANCHOR DOOR & HARDWARE, INC	11/24/2010	0.00	92.00
15391	AND01	ANDREINI BROS. INC.	11/24/2010	0.00	8,527.00
15392	ASS05	ACWA HEALTH BENEFITS AUTHORITY	11/24/2010	0.00	60.18
15393	ATT03	AT&T LONG DISTANCE	11/24/2010	0.00	71.87
15394	AZT01	AZTEC GARDENS, INC.	11/24/2010	0.00	190.00
15395	BAL04	BALANCE HYDROLOGICS, INC	11/24/2010	0.00	1,557.50
15396	BAR01	BARTKIEWICZ, KRONICK & SHANAHA	11/24/2010	0.00	652.50
15397	BAR03	BARTLE WELLS ASSOCIATES	11/24/2010	0.00	1,389.85
15398	BAS01	BASIC CHEMICAL SOLUTION, LLC	11/24/2010	0.00	3,259.64
15399	BAY02	BAY AREA COATING CONSULTANTS,	11/24/2010	0.00	2,910.00
15400	BAY07	BAY AREA WATER SUPPLY &	11/24/2010	0.00	533.00
15401	BAY10	BAY ALARM COMPANY	11/24/2010	0.00	909.60
15402	BFI02	BFI OF CALIFORNIA, INC.	11/24/2010	0.00	297.15
15403	BIG01	BIG CREEK LUMBER	11/24/2010	0.00	277.15
15404	BRU02	JON BRUCE	11/24/2010	0.00	82.11
15405	CAL06	CALIFORNIA GENERATOR SERVICE	11/24/2010	0.00	1,250.00
15406	CAL08	CALCON SYSTEMS, INC.	11/24/2010	0.00	4,495.89
15407	CAL33	CALIFORNIA SPECIAL DISTRICT	11/24/2010	0.00	4,456.00
15408	CAR02	CAROLYN STANFIELD	11/24/2010	0.00	485.00
15409	COA19	COASTSIDE COUNTY WATER DIST.	11/24/2010	0.00	173.96
15410	COM01	COMMUNICATION LEASING SERVICES	11/24/2010	0.00	2,253.65
15411	CSG01	CSG SYSTEMS, INC	11/24/2010	0.00	2,172.38
15412	DET01	CASSANDRA DETAMORE	11/24/2010	0.00	300.00
15413	EKI01	EKI INC.	11/24/2010	0.00	6,864.79
15414	ELG01	EL GRANADA LODGING, LLC	11/24/2010	0.00	68.00
15415	ENR01	ENRIQUEZ MD, JOSEFINA	11/24/2010	0.00	125.00
15416	FAL01	JOSEPH FALCONE	11/24/2010	0.00	150.00
15417	FIR06	FIRST NATIONAL BANK	11/24/2010	0.00	352.88
15418	FRI01	FRISCH ENGINEERING, INC	11/24/2010	0.00	575.00
15419	GEM01	GEMPLER'S, INC.	11/24/2010	0.00	39.00
15420	GIA01	NORMAN GIACOTTO	11/24/2010	0.00	150.00
15421	GOL04	GOLDEN STATE FLOW MEASUREMENT	11/24/2010	0.00	6,649.11
15422	GRA03	GRAINGER, INC.	11/24/2010	0.00	330.82
15423	HAC01	HACH CO., INC.	11/24/2010	0.00	720.13
15424	HAL01	HMB BLDG. & GARDEN INC.	11/24/2010	0.00	1,025.61
15425	HAL04	HALF MOON BAY REVIEW	11/24/2010	0.00	1,355.00
15426	HAL23	HMB ALARM	11/24/2010	0.00	500.00
15427	HAL24	H.M.B.AUTO PARTS	11/24/2010	0.00	68.29
15428	HAN01	HANSONBRIDGETT. LLP	11/24/2010	0.00	6,241.40
15429	HAR03	HARTFORD LIFE INSURANCE CO.	11/24/2010	0.00	1,559.36

Check Number	Vendor No	Vendor Name		Check Date	Void Amount	Check Amount
15430	HOM01	HOME DEPOT		11/24/2010	0.00	513.53
15431	IRO01	IRON MOUNTAIN		11/24/2010	0.00	293.45
15432	IRV01	IRVINE CONSULTING SERVICES, IN		11/24/2010	0.00	2,150.00
15433	IRV02	IRVINE CONSULTING SERVICES, IN		11/24/2010	0.00	200.00
15434	JAM01	JAMES FORD, INC.		11/24/2010	0.00	574.65
15435	JJA01	JJACPA, INC		11/24/2010	0.00	7,267.50
15436	KGW01	KG WALTERS CONSTRUCTION CO, IN		11/24/2010	0.00	53,864.81
15437	KLA01	MICHAEL KLASS		11/24/2010	0.00	150.00
15438	LEE02	RICHARD LEE		11/24/2010	0.00	23.32
15439	LOM01	GLENNA LOMBARDI		11/24/2010	0.00	99.00
15440	MCT01	MCTV6		11/24/2010	0.00	375.00
15441	MET06	METLIFE SBC		11/24/2010	0.00	1,367.09
15442	MIS01	MISSION UNIFORM SERVICES INC.		11/24/2010	0.00	129.26
15443	MOR02	MORELAND LLC		11/24/2010	0.00	23.32
15444	MOU02	ROBERT/BERTINA MOULES		11/24/2010	0.00	46.64
15445	NAT02	NATIONAL METER & AUTOMATION		11/24/2010	0.00	840.00
15446	OCE02	OCEAN SHORE PRINTING CO.		11/24/2010	0.00	650.43
15447	OFF01	OFFICE DEPOT		11/24/2010	0.00	362.13
15448	ONT01	ONTRAC		11/24/2010	0.00	324.96
15449	PAC01	PACIFIC GAS & ELECTRIC CO.		11/24/2010	0.00	22,515.69
15450	PAC02	PACIFICA CREDIT UNION		11/24/2010	0.00	750.00
15451	PIT04	PITNEY BOWES		11/24/2010	0.00	231.00
15452	PUB01	PUB. EMP. RETIRE SYSTEM		11/24/2010	0.00	16,791.98
15453	RIC02	RICOH AMERICAS CORP		11/24/2010	0.00	788.15
15454	ROB01	ROBERTS & BRUNE CO.		11/24/2010	0.00	9,268.62
15455	ROG01	ROGUE WEB WORKS, LLC		11/24/2010	0.00	1,331.25
15456	ROM02	ROMEO PACKING COMPANY		11/24/2010	0.00	327.75
15457	RYA01	RYAN HERCO PRODUCTS CORP		11/24/2010	0.00	41.36
15458	SAN03	SAN FRANCISCO WATER DEPT.		11/24/2010	0.00	138,288.30
15459	SAN05	SAN MATEO CTY PUBLIC HEALTH LA		11/24/2010	0.00	624.00
15460	SEW01	SEWER AUTH. MID- COASTSIDE		11/24/2010	0.00	570.00
15461	SPR01	SPRING MOUNTAIN GALLERY		11/24/2010	0.00	167.90
15462	SPR04	SPRINGBROOK SOFTWARE, INC		11/24/2010	0.00	2,400.00
15463	STA05	GAIN IN ADVANTAGE, LLC		11/24/2010	0.00	616.60
15464	STA08	STANLEY SECURITY SOLUTIONS, IN		11/24/2010	0.00	79.01
15465	STA15	STATE WATER RESOURCES CONTROL		11/24/2010	0.00	1,452.00
15466	TAY01	DANIEL TAYLOR		11/24/2010	0.00	600.00
15467	TEA02	TEAMSTERS LOCAL UNION #856		11/24/2010	0.00	775.00
15468	TET01	JAMES TETER		11/24/2010	0.00	6,387.72
15469	TUR04	SUSAN TURGEON		11/24/2010	0.00	150.00
15470	UB*00831	STEVE FOSTER		11/24/2010	0.00	105.81
15471	UB*00832	LUISA CONTREIRAS		11/24/2010	0.00	128.86
15472	UB*00833	HEATHER WHITE	**VOID**	11/24/2010	168.00	0.00
15473	UB*00834	MICHELE KEARNEY		11/24/2010	0.00	37.51
15474	UB*00835	ROBERT BRUCE		11/24/2010	0.00	29.65
15475	UB*00836	CORINA OUTTEN		11/24/2010	0.00	75.00
15476	UB*00837	ALAN TRUJILLO c/o COLDWELL BANKER		11/24/2010	0.00	75.00
15477	UB*00838	JOHN MOORHOUSE		11/24/2010	0.00	47.57
15478	UB*00839	KRISTA M. HNATT/STEVEN BARBAR		11/24/2010	0.00	36.05
15479	UNI02	UNITED RENTALS NORTHWEST, INC		11/24/2010	0.00	737.86
15480	UPS01	UPS STORE		11/24/2010	0.00	68.52
15481	VAL01	VALIC		11/24/2010	0.00	1,470.00
15482	VIN01	WILLIAM VINEYARD		11/24/2010	0.00	11,000.42
15483	WAT02	WATER EDUCATION FOUND.		11/24/2010	0.00	1,000.00
15484	WAT05	WATEREUSE		11/24/2010	0.00	618.00
15485	WEE01	STEVE WEED		11/24/2010	0.00	46.64
15486	WES11	WEST COAST AGGREGATES, INC.		11/24/2010	0.00	515.84
15487	WHE01	VIRGINIA WHELEN		11/24/2010	0.00	195.00
15488	XC201	XC2 SOFTWARE, LLC		11/24/2010	0.00	1,732.16

Check Number	Vendor No	Vendor Name	Check Date	Void Amount	Check Amount
			Report Total:	**168.00**	**411,676.08**

COASTSIDE COUNTY WATER DISTRICT - PERIOD BUDGET ANALYSIS
30-Nov-10

ACCOUNT	DESCRIPTION	CURRENT ACTUAL	CURRENT BUDGET	B/(W) VARIANCE	B/(W) % VAR	YTD ACTUAL	YTD BUDGET	B/(W) VARIANCE	B/(W) % VAR
OPERATING REVENUE									
1-0-4120-00	Water Revenue -All Areas	411,057	450,433	(39,376)	-8.7%	2,808,325	3,093,702	(285,377)	-9.2%
TOTAL OPERATING REVENUE		**411,057**	**450,433**	**(39,376)**	**-8.7%**	**2,808,325**	**3,093,702**	**(285,377)**	**-9.2%**
NON-OPERATING REVENUE									
1-0-4170-00	Water Taken From Hydrants	2,144	2,083	61	2.9%	9,594	10,417	(822)	-7.9%
1-0-4180-00	Late Notice -10% Penalty	4,749	4,167	582	14.0%	25,580	20,833	4,747	22.8%
1-0-4230-00	Service Connections	1,309	667	643	96.4%	3,853	3,333	519	15.6%
1-0-4920-00	Interest Earned	0	0	0	0.0%	3,363	6,605	(3,242)	-49.1%
1-0-4930-00	Tax Apportionments/Cnty Checks	62,923	50,000	12,923	25.8%	84,258	66,000	18,258	27.7%
1-0-4950-00	Miscellaneous Income	18,038	3,083	14,955	485.0%	31,842	15,417	16,426	106.5%
1-0-4955-00	Cell Site Lease Income	9,491	9,276	215	2.3%	47,154	46,380	774	1.7%
1-0-4965-00	ERAF REFUND -County Taxes	0	0	0	0.0%	0	0	0	0.0%
TOTAL NON-OPERATING REVENUE		**98,654**	**69,276**	**29,378**	**42.4%**	**205,645**	**168,985**	**36,660**	**21.7%**
TOTAL REVENUES		**509,711**	**519,709**	**(9,998)**	**-1.9%**	**3,013,969**	**3,262,687**	**(248,717)**	**-7.6%**
OPERATING EXPENSES									
1-1-5130-00	Water Purchased	138,288	117,140	(21,148)	-18.1%	828,464	963,143	134,679	14.0%
1-1-5230-00	Pump Exp, Nunes T P	2,010	1,583	(427)	-27.0%	7,825	7,919	94	1.2%
1-1-5231-00	Pump Exp, CSP Pump Station	16,580	45,000	28,420	63.2%	77,736	162,436	84,700	52.1%
1-1-5232-00	Pump Exp, Trans. & Dist.	1,146	1,667	521	31.2%	5,415	8,335	2,920	35.0%
1-1-5233-00	Pump Exp, Pilarcitos Can.	205	60	(145)	-240.8%	826	300	(526)	-175.5%
1-1-5234-00	Pump Exp. Denniston Proj.	1,900	5,000	3,100	62.0%	14,442	11,000	(3,442)	-31.3%
1-1-5235-00	Denniston T.P. Operations	89	2,400	2,311	96.3%	5,736	5,290	(446)	-8.4%
1-1-5236-00	Denniston T.P. Maintenance	643	3,167	2,524	79.7%	16,411	15,833	(578)	-3.7%
1-1-5240-00	Nunes T P Operations	4,209	4,235	26	0.6%	40,234	28,260	(11,974)	-42.4%
1-1-5241-00	Nunes T P Maintenance	2,299	3,000	701	23.4%	12,798	15,000	2,202	14.7%
1-1-5242-00	CSP Pump Station Operations	1,287	708	(579)	-81.8%	3,052	3,540	488	13.8%
1-1-5243-00	CSP Pump Station Maintenance	525	4,458	3,933	88.2%	37,362	22,290	(15,072)	-67.6%
1-1-5250-00	Laboratory Services	949	5,000	4,051	81.0%	6,879	25,000	18,121	72.5%
1-1-5318-00	Studies/Surveys/Consulting	3,644	1,833	(1,810)	-98.7%	13,754	9,167	(4,588)	-50.0%
1-1-5321-00	Water Conservation	4,301	7,708	3,407	44.2%	33,058	38,542	5,484	14.2%
1-1-5322-00	Community Outreach	625	2,183	1,558	71.4%	4,692	10,917	6,225	57.0%
1-1-5411-00	Salaries & Wages -Field	76,313	71,560	(4,753)	-6.6%	403,348	393,579	(9,769)	-2.5%
1-1-5412-00	Maintenance -General	17,257	16,042	(1,215)	-7.6%	64,962	80,210	15,248	19.0%
1-1-5414-00	Motor Vehicle Expense	2,403	3,708	1,305	35.2%	21,016	18,540	(2,476)	-13.4%

Revised: 12/10/2010 12:05 PM

ACCOUNT	DESCRIPTION	CURRENT ACTUAL	CURRENT BUDGET	B/(W) VARIANCE	B/(W) % VAR	YTD ACTUAL	YTD BUDGET	B/(W) VARIANCE	B/(W) % VAR
1-1-5415-00	Maintenance -Well Fields	0	500	500	100.0%	0	2,500	2,500	100.0%
1-1-5610-00	Salaries/Wages-Administration	47,838	49,259	1,421	2.9%	263,209	270,925	7,715	2.8%
1-1-5620-00	Office Supplies & Expense	7,291	9,906	2,615	26.4%	41,000	49,531	8,532	17.2%
1-1-5621-00	Computer Services	6,597	3,446	(3,151)	-91.4%	21,514	19,729	(1,784)	-9.0%
1-1-5625-00	Meetings / Training / Seminars	581	1,667	1,086	65.2%	7,316	8,333	1,018	12.2%
1-1-5630-00	Insurance	33,062	33,658	596	1.8%	238,804	248,288	9,483	3.8%
1-1-5640-00	Employees Retirement Plan	32,253	33,676	1,424	4.2%	159,649	185,218	25,569	13.8%
1-1-5645-00	SIP 401K Plan	0	2,500	2,500	100.0%	0	12,500	12,500	100.0%
1-1-5681-00	Legal	4,617	4,750	133	2.8%	23,590	23,750	160	0.7%
1-1-5682-00	Engineering	565	1,167	602	51.6%	2,654	5,833	3,180	54.5%
1-1-5683-00	Financial Services	7,268	0	(7,268)	0.0%	15,531	15,500	(31)	-0.2%
1-1-5684-00	Payroll Tax Expense	7,340	8,612	1,272	14.8%	46,444	47,364	920	1.9%
1-1-5687-00	Membership, Dues, Subscript.	6,587	5,963	(625)	-10.5%	29,272	29,412	141	0.5%
1-1-5688-00	Election Expenses	0	0	0	0.0%	0	0	0	0.0%
1-1-5689-00	Labor Relations	0	1,000	1,000	100.0%	2,040	5,000	2,960	59.2%
1-1-5700-00	San Mateo County Fees	0	5,000	5,000	100.0%	2,795	8,300	5,505	66.3%
1-1-5705-00	State Fees	2,904	1,000	(1,904)	-190.4%	17,793	8,500	(9,293)	-109.3%
TOTAL OPERATING EXPENSES		**431,574**	**458,555**	**26,981**	**5.9%**	**2,469,621**	**2,759,984**	**290,363**	**10.5%**
CAPITAL ACCOUNTS									
1-1-5711-00	Debt Srvc/Existing Bonds 1998A	0	0	0	0.0%	250,235	250,235	0	0.0%
1-1-5712-00	Debt Srvc/Existing Bonds 2006B	0	0	0	0.0%	334,114	334,114	0	0.0%
TOTAL CAPITAL ACCOUNTS		**0**	**0**	**0**	**0.0%**	**584,349**	**584,349**	**(0)**	**0.0%**
TOTAL EXPENSES		**431,574**	**458,555**	**26,981**	**0.0%**	**3,053,969**	**3,344,333**	**290,363**	**8.7%**

Revised: 12/10/2010 12:05 PM

COASTSIDE COUNTY WATER DISTRICT

INVESTMENT REPORT

November 30, 2010

		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 FIRST NATIONAL BANK						
OPERATING ACCOUNT			$1,222,633.03			$1,222,633.03
CSP T&S ACCOUNT					$532,413.59	$532,413.59
TOTAL FIRST NATIONAL BANK	$0.00	$0.00	$1,222,633.03	$0.00	$532,413.59	$1,755,046.62
CASH WITH L.A.I.F	$298,070.00	$1,184,396.25	$0.00	$0.00	$20,924.10	$1,503,390.35
UNION BANK - Project Fund Balance			$0.00			$0.00
						$0.00
CASH ON HAND	$1,930.00					$1,930.00
TOTAL DISTRICT CASH BALANCES	$300,000.00	$1,184,396.25	$1,222,633.03	$0.00	$553,337.69	$3,260,366.97
ASSESSMENT DISTRICT BALANCES						
CASH IN FIRST NATIONAL BANK						
REDEMPTION ACCOUNT		$ 87,702.56				
RESERVE ACCOUNT (Closed Account 8-4-04)		$ -				
TOTAL ASSESSMENT DISTRICT CASH		$ 87,702.56				

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
APPROVED CAPITAL IMPROVEMENT PROJECTS
FISCAL YEAR 2010-2011

11/30/2010

		Approved CIP Budget FY 10/11	Actual To Date FY 10/11	Projected Year-End FY 10/11	Projected vs. Budget Variance	Project Status/ Comments
PIPELINE PROJECTS						
	Small Line Decomission Behind Main Street	$ 25,000			$ 25,000	planning
	Rebuild Harbor 4" Vault	$ 20,000		$ 20,000	$ -	planning
WATER TREATMENT PLANTS						
99-05	Denniston Intake Maintenance	$ 29,000	$ 25,347	$ 22,000	$ 7,000	Denniston dredging project for Year 2010 - Completed
10-03	Nunes- Backwash Variable Rates Prj (design/build)	$ 25,000	$ 18,241	$ 25,000	$ -	Assembling parts
10-04	Nunes - Floc Drive Repair	$ 50,000	$ 44,311	$ 45,000	$ 5,000	Drives received and installed. Complete for FY11. New mixers on order for 2012, Project to be complete in FY12
08-05	Nunes WTP - Plant Painting	$ 12,500		$ -	$ 12,500	
FACILITIES & MAINTENANCE						
09-07	AMR Program & Fixed Network	$ 100,000		$ 50,000	$ 50,000	Need to present business case to facilities committee and Board
08-08	PRV Valves Replacement Project	$ 20,000		$ 20,000	$ -	On-going program
99-01	Meter Change Program	$ 30,000	$ 6,614	$ 30,000	$ -	On-going program
09-09	Fire Hydrant Replacement	$ 20,000	$ 5,621	$ 20,000	$ -	Varience due to this project gets done when there is extra time.
09-10	Standardize Chlorine Analyzers at 6 Facilities	$ 25,000	$ 8,288	$ 15,000	$ 10,000	Purchasing parts and equipment for EG3
09-23	District Digitial Mapping	$ 75,000			$ 75,000	
EQUIPMENT PURCHASE & REPLACEMENT						
99-02	Vehicle Replacement	$ 20,000	$ 17,166	$ 18,000	$ 2,000	Puchase Complete
99-03	Computer System	$ 12,000	$ 4,005	$ 10,000	$ 2,000	
99-04	Office Equipment/Furniture	$ 3,000		$ -	$ 3,000	
06-03	SCADA/Telemetry/electrical controls	$ 550,000	$ 11,960	$ 400,000	$ 150,000	90% Spec Review. Preparing Bidders.
	Billing System Upgrade	$ 75,000	$ 2,400	$ 70,000	$ 5,000	
PUMP STATIONS / TANKS / WELLS						
09-17	Crystal Springs Emergency Generator	$ 50,000			$ 50,000	
	MCC Upgrades Denniston PP	$ 30,000			$ 30,000	
	Alves Tank - Recoating (Interior & Exterior)	$ 100,000		$ 100,000	$ -	Preparing bid documents
	EG Tank 2 - Recoating (and Ladder)	$ 200,000		$ 200,000	$ -	Preparing bid documents
	EG Tank #2 Pump Station Pump Replacement	$ 30,000	$ 23,185	$ 25,000	$ 5,000	Complete
	Half Moon Bay Tank #1 (Int & Ext Recoat)	$ 200,000		$ 200,000	$ -	Preparing bid documents
	Miramar Tank Fence upgrade	$ 8,000		$ 8,000	$ -	
DENNISTON WTP PRIORITY (SHORT-TERM) IMPROVEMENTS						
08-19	Denniston Short Term WTP Modifications	$ 50,000		$ 50,000	$ -	In design
NUNES WTP PRIORITY (SHORT-TERM) IMPROVEMENTS						
08-24	Nunes Short Term WTP Modifications	$ 1,100,000	$ 848,832	$ 1,000,000	$ 100,000	90% Complete

COASTSIDE COUNTY WATER DISTRICT
APPROVED CAPITAL IMPROVEMENT PROJECTS 11/30/2010
FISCAL YEAR 2010-2011

		Approved CIP Budget FY 10/11	Actual To Date FY 10/11	Projected Year-End FY 10/11	Projected vs. Budget Variance	Project Status/ Comments
DENNISTON WTP (LONG-TERM) IMPROVEMENTS (MEMBRANE FILTRATION)						
08-22	Denniston Pre/Post Treatment Design	$ 400,000	$ 71,581	$ 400,000	$ -	Design in progress
WATER SUPPLY DEVELOPMENT						
09-21	Reclamation Project Planning	$ 100,000		$ -	$ 100,000	Timing of expenditures difficult to estimate due to slow progress in reaching agreement with SAM for recycling.
09-22	Water Supply Alternatives Evaluation	$ 100,000	$ 55,799	$ 125,000	$ (25,000)	Cost to date includes work on NPS-POST Denniston land transfer. Projected includes Urban Water Management Plan
	FY 10-11 TOTALS	**$ 3,459,500**	**$ 1,143,349**	**$ 2,833,000**	**$ 606,500**	
FY 09/10 CIP Projects - *paid in FY 10/11*						
1125-02	Retention - Filter Media - Denniston		$ 8,511	$ 8,511	$ (8,511)	Project completed FY09-10.
1118-12	CSP Exterior Painting Project		$ 799	$ 799	$ (799)	
1121-51	Miramar Tank Recoating Project (retention)		$ 28,054	$ 28,045	$ (28,045)	Project completed FY09-10.
1121-53	Pilarcitos Canyon Blending Station		$ 2,607	$ 130,000	$ (130,000)	Original budget $150K. FY09-10 expenditure of $13,700
	PREVIOUS YEAR TOTALS		**$ 39,971**	**$ 167,355**	**$ (167,355)**	
NON-BUDGETED ITEMS (CAPITAL EXPENDITURES) FOR CURRENT FISCAL YEAR 010/11						
1118-12	New Check Scanner for Office		$ 2,716	$ 2,716	$ (2,716)	
1118-03	Outback Brush Cutter		$ 2,512	$ 2,512	$ (2,512)	
1118-13	Base Station for Shop		$ 2,501	$ 2,501	$ (2,501)	
1128-03	El Granada Pipeline - Phase III		$ 428	$ 428	$ (428)	
1121-58	Railroad Pipeline Replacment		$ 9,726	$ 663	$ (663)	
1121-59	Terrace Ave Service Connection Replacement		$ 7,276	$ 83,000	$ (83,000)	
1120-07	Denniston Booster Pump		$ 2,748	$ -	$ -	
1121-62	New Pilarcitos Well		$ 3,055	$ -	$ -	
1118-09	Nunes - Chemtrac Systems Streaming Current		$ 11,000	$ -	$ -	
	NON-BUDGETED TOTALS		**$ 41,962**	**$ 91,820**	**$ (91,820)**	
	CIP TOTALS	**$ 3,459,500**	**$ 1,225,282**	**$ 3,092,175**	**$ 347,325**	

Legal Cost Tracking Report
12 Months At-A-Glance

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

Month	Admin (General Legal Fees)	Recycle Water Analysis	Water Supply Develpmnt	Transfer Program	CIP	Water Conservation	Personnel	Lawsuits	Infrastructure Project Review (Reimbursable)	TOTAL
Dec-09	4,940			598	26				910	6,474
Jan-10	3,406	234		2,132					52	5,824
Feb-10	5,334	754		78		2,663				8,829
Mar-10	7,316	79			4,210	236				11,840
Apr-10	7,219	262			3,563	236			131	11,411
May-10	8,056									8,056
Jun-10	4,937			183	3,275	52	863		917	10,228
Jul-10	8,138		3,458	393						11,989
Aug-10	7,161		5,383	2,305			3,698			18,547
Sep-10	2,384		4,768	1,284			464			8,900
Oct-10	5,450		1,258	1,886	183					8,777
Nov-10	3,066		1,336	288			1,551			6,241
TOTAL	**67,406**	**1,329**	**16,203**	**9,148**	**11,257**	**3,187**	**6,575**	**0**	**2,010**	**117,115**

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
Dec-09						**0**	
Jan-10	646		3,025	1,743	664	**6,078**	664
Feb-10	1,137			3,320	1,909	**6,366**	1,909
Mar-10	1,144		1,577	581		**3,302**	
Apr-10	848			1,411	332	**2,591**	332
May-10	480		4,048	1,909		**6,437**	
Jun-10	1,015		2,709	1,743		**5,467**	
Jul-10	649			1,859	3,924	**6,432**	3,924
Aug-10	480			169		**649**	
Sep-10	480		5,333			**5,813**	
Oct-10	480		6,446	761		**7,687**	
Nov-10	565		4,688	1,135		**6,388**	
TOTAL	**7,923**	**0**	**27,826**	**14,631**	**6,829**	**57,209**	**6,829**

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MINUTES OF THE SPECIAL MEETING OF THE BOARD OF DIRECTORS

Tuesday, November 9, 2010 – 6:00 p.m.

1) ROLL CALL – The Closed Session convened at 6:00 p.m. Present at roll call: President Chris Mickelsen, Directors Ken Coverdell and Jerry Donovan. Vice-President Bob Feldman arrived at 6:06 p.m.

2) PUBLIC COMMENT – There were no public comments.

3) CLOSED SESSION

Anticipated Litigation, Pursuant to California Government Code 54956.9(c)
Initiation of Litigation: One Case

Conference with Real Property Negotiator Pursuant to California Government Code 54956.8
Property: APN 036-300-070, 037-320-280, 037-320-280, 037-320-180, 037-320-220, 037-320-260, 037-320-100
Agency Negotiator: David Dickson, General Manager
Negotiating Parties: Peninsula Open Space Trust
Under Negotiation: Price/consideration and terms of payment

4) RECONVENE TO OPEN SESSION - The Closed Session concluded at 7:02 p.m., immediately prior to commencement of the regular meeting, at which time Mr. Miyaki announced that no reportable action had been taken during the Closed Session.

5) ADJOURNMENT

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS

Tuesday, November 9, 2010 – 7:00 p.m.

1) ROLL CALL - President Mickelsen called the meeting to order at 7:11 p.m. Present at roll call: President Chris Mickelsen, Vice-President Bob Feldman, and Directors Ken Coverdell, and Jerry Donovan.

Also present were: David Dickson, General Manager; Patrick Miyaki, Legal Counsel; Cathleen Brennan, Public Outreach/Program Development/Water Resources Analyst; JoAnne Whelen, Administrative Assistant/Recording Secretary; Gina Brazil, Office Manager; and Steve Twitchell, Water Treatment Plant Supervisor.

2) PLEDGE OF ALLEGIANCE

3) PUBLIC COMMENTS

Jeff Peck – El Granada - Relayed information he had recently obtained from the San Mateo County Local Agency Formation Commission (LAFCo) regarding the two parcels planned for development west of the local airport known as the Big Wave Project. Additionally, he requested clarity on the District's ability to possibly provide water service to the project.

4) CONSENT CALENDAR

A. Requesting the Board to review disbursements for the month Ending October 31, 2010 – Claims: $715,269.71; Payroll: $112,833.07 for a total of $828,102.78
B. Acceptance of Financial Reports
C. Minutes of the October 12, 2010 Board of Directors Meeting
D. Monthly Water Transfer Report

E. Installed Water Connection Capacity and Water Meters Report
F. Total CCWD Production Report
G. CCWD Monthly Sales by Category Report
H. October 2010 Leak Report
I. Rainfall Reports
J. San Francisco Public Utilities Commission Hydrological Conditions Report for October 2010

Director Coverdell reported that he had reviewed the monthly financial claims and found all to be in order.

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

Director Coverdell	**Aye**
Vice-President Feldman	**Aye**
Director Larimer	**Absent**
Director Donovan	**Aye**
President Mickelsen	**Aye**

5) MEETINGS ATTENDED / DIRECTORS COMMENTS

Director Coverdell provided a brief report on his recent meeting with Art Jensen, CEO of the Bay Area Water Supply and Conservation Agency (BAWSCA). He suggested that staff provide a presentation to the Board on the District's current activities with BAWSCA.

6) GENERAL BUSINESS

A. Approval of Coastside County Water District Basic Financial Statements and Independent Auditors Report for Fiscal year Ended June 30, 2010

Mr. Dickson reported that the members of the District's Finance Committee had recently met and reviewed the audit and associated reports. He then introduced Mr. Joe Arch, CPA, the District's Independent Auditor. Mr. Arch reported that the financial statements fairly represent the financial position of the District and that no exceptions or concerns were noted. He informed the Board that after a thorough audit of the District's financial statements, the District had once again

received a rave review, an "unqualified opinion", which is the best possible rating from an auditor.

ON MOTION BY President Mickelsen, and seconded by Vice-President Feldman, the Board voted as follows, by roll call vote, to approve the Basic Financial Statements for Fiscal year Ended June 30, 2010:

Director Coverdell	**Aye**
Vice-President Feldman	**Aye**
Director Larimer	**Absent**
Director Donovan	**Aye**
President Mickelsen	**Aye**

B. Terrace Avenue Services Replacement Project

Jerry Steinberg, 591 Terrace Avenue, Half Moon Bay – Stated that he had several comments to make about this agenda item. He reported that approximately one month ago his lateral line was leaking and after calling the District to report the leak, a District field technician appeared immediately, and was extremely professional and knowledgeable and quickly repaired the leak. He also complimented the District Board and staff and stated that he was very impressed with the maturity in the District's negotiations that resulted in the cost for the Terrace Avenue lateral replacement being partially offset by a donation of twelve non-priority connections from Ailanto Properties to the District. He concluded his comments by stating that he was somewhat concerned with the impact on the current sewer system of the 63 future homes, of approximately 4,000 to 5,000 square feet each and hoped that the City of Half Moon Bay can follow CCWD's example in negotiating a successful solution to this potential problem. He reiterated his appreciation to the District.

The Board had no questions or comments about this agenda item.

ON MOTION BY Director Coverdell, and seconded by Director Donovan, the Board voted as follows, by roll call vote, to authorize staff to contract with Andreini Brothers to replace plastic services on Terrace Avenue for $77,960.00:

Director Coverdell	**Aye**
Vice-President Feldman	**Aye**
Director Larimer	**Absent**
Director Donovan	**Aye**
President Mickelsen	**Aye**

C. Approval of Springbrook Version 7 Software Upgrade

Mr. Dickson provided the background of this agenda item, explaining that after evaluating the latest version of the District's software over the past year, staff recommends that the District proceed with this major upgrade to the software. He outlined the reasons that staff feels this upgrade is necessary and valuable and answered questions from the Board.

ON MOTION BY Director Coverdell, and seconded by Director Donovan, the Board voted as follows, by roll call vote, to authorize staff to execute a Version 7 upgrade agreement with Springbrook Software for an estimated cost, not to exceed $63,413.00:

Director Coverdell	**Aye**
Vice-President Feldman	**Aye**
Director Larimer	**Absent**
Director Donovan	**Aye**
President Mickelsen	**Aye**

Mr. Miyaki took this opportunity to state that, in addition to the District's regularly scheduled Board meeting, the District also noticed a Special Meeting, for the sole purpose of providing the opportunity for one Director to participate via teleconference and that the District was in compliance with the procedural Brown Act requirements. He also confirmed with Director Larimer via telephone, that he was located in a publically accessible location and that if there were members of the public in attendance, they had the ability to hear the meeting discussion.

D. Approval of Application to transfer Uninstalled Non-Priority Water Service Connections: Gary Podesta TR and Wayne Podesta to Charles J. Keenan, III, TR: APN: 056-310-120 to 115-520-170

Mr. Dickson explained that the District had received an application for the transfer of 92 uninstalled non-priority water service connections from property owned by Gary and Wayne Podesta to a property designated by Assessor's Parcel Number 115-520-170, which is a developed condominium at the Beach House Inn. He provided further background about these particular connections, advising the Board that these connections were originally associated with the proposed Beachwood Project, which were later moved to the Podesta Property before the City of Half Moon Bay took ownership of the Beachwood property.

Mr. Dickson advised that the District's staff and counsel have reviewed the application and all documentation and found everything to be in order. He noted that the applicants have not submitted a letter from San Mateo County indicating that the receiving property is "potentially developable", and the District has waived this requirement in the past for properties that are already developed. Mr. Dickson stated that the District's transfer policy contains no requirements that connections transferred to a property must be used on that property, and there is also no requirement that the transferee property must have the potential to use all of the connections assigned to it. He advised that there are a number of past instances in which the District has approved transfers which result in "parking" of multiple connections on property which cannot use the connections.

Director Larimer, via telephone, inquired whether there was a precedent for transferring water connection(s) to a property that cannot use the connection, and whether the District allows the transfer of connection(s) to a property where the owner of the connection and the owner of the property are different.

Mr. Dickson stated that there has been a precedent, and cited specific details of previous transfer transactions and explained that the District's records track the water service connections assigned with assessor parcel numbers, not necessarily by the names of the connection owners.

Mr. Miyaki reviewed aspects of the District's transfer policy, provided a few examples of similar transfer transactions and noted that this particular transfer was somewhat unique in that there has not been a previous situation where the transferee property was a fully developed condominium receiving 92 water connections. Board discussion ensued, with Mr. Miyaki and Mr. Dickson addressing their questions and comments.

Director Larimer made a motion to deny the request to approve the transfer of the 92 uninstalled non-priority connections from APN 056-310-120 to APN 115-520-170. The motion failed due to the lack of a second.

ON MOTION BY Vice-President Feldman, and seconded by President Mickelsen, the Board voted as follows, by roll call vote, to approve the transfer of 92 uninstalled non-priority connections from APN 056-310-120 to APN 115-520-170:

Director Coverdell	**Aye**
Vice-President Feldman	**Aye**
Director Larimer	**No**
Director Donovan	**Aye**
President Mickelsen	**Aye**

E. <u>Approval of Resolution 2010-08 – Supporting the Association of California Water Agencies (ACWA) Policy Principles on Implementation of State and Federal Endangered Species Act</u>

Mr. Dickson stated that the Association of California Water Agencies (ACWA) is requesting its member agencies to show their support in formally endorsing the set of policy principles on Endangered Species Act Implementation by adopting this Resolution.

ON MOTION BY Director Coverdell, and seconded by Director Donovan, the Board voted as follows, by roll call vote, to adopt Resolution 2010-08 – A Resolution of the Coastside County Water District Board of Directors Supporting the Association of California Water Agencies (ACWA) Policy Principles on Implementation of State and Federal Endangered Species Act (ES).

Director Coverdell	**Aye**
Vice-President Feldman	**Aye**
Director Larimer	**Aye**
Director Donovan	**Aye**
President Mickelsen	**Aye**

7) GENERAL MANAGER'S REPORT INCLUDING MONTHLY INORMATIONAL REPORTS

- **Connection Sale Status –** Mr. Dickson provided an update on the status of the connection sales, advising that 32 application submittals had been received by the District to date, and that staff was working on the processing of these connection sales. He noted that one purchaser will be eligible to purchase an additional 5/8" connection for a duplex, and two purchasers may need an additional half connection to accommodate higher fixture counts. He reported that these connection sales resulted in revenue to the District of $462,128.00, in addition to $16,000 in administrative fee payments.

- **Water Reclamation Update –** Mr. Dickson reported that he had recently met with SAM's Manager, Steve Leonard, but that there was nothing new to report this month on this matter.

- **SFPUC State of the Water System Report –** Mr. Dickson advised that the San Francisco Public Utilities Commission (SFPUC) has issued its *2010 State of the Regional Water System Report* and provided the website where the report is available.

A. **Operations Report –** Mr. Steve Twitchell, Water Treatment Supervisor, summarized the highlights of the Superintendent of Operation's monthly report, including the Pilarcitos East Pipeline, the Nunes Short Term Improvements Project and the recently completed Denniston Dredging.

Glenn Reynolds, Princeton - Suggested that the District consider acoustic data-loggers, which could be beneficial in locating pipeline leaks.

B. **Water Resources Report** – Ms. Brennan provided an update on the regional combined water-energy rebate program for residential high efficiency clothes washers, advising that effective January 1, 2011, CCWD's rebate amount will be reduced from $125.00 to $50.00 per washer and that Pacific Gas & Electric will continue to rebate $50.00 per washer.

8) DIRECTOR AGENDA ITEMS – REQUESTS FOR FUTURE BOARD MEETINGS

9) ADJOURNMENT

The meeting was adjourned at 8:39 p.m. The next regular meeting of the Coastside County Water District's Board of Directors is scheduled for Tuesday, December 14, 2010.

Respectfully submitted,

_____
David R. Dickson, General Manager
Secretary of the Board

_____
Chris R. Mickelsen, President
Board of Directors

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **December 6, 2010**

Report Date: December 14, 2010

Subject: **Monthly Water Transfer 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 previous Board meeting in November 2010, one transfer application was approved for one—5/8" (20 gpm) non-priority water service connection. A spreadsheet reporting this transfer follows this report as well as the approval from Patrick Miyaki and the confirmation letter from Glenna Lombardi.

APPROVED WATER TRANSFERS FOR THE 2010 CALENDAR YEAR

DONATING APN	RECIPIENT APN	PROPERTY OWNERS	# OF CONNECTIONS		DATE
056-310-120	047-153-240	Podesta to the Brown Living Trust	1---5/8"	non-priority	Nov-10

Memorandum

VIA ELECTRONIC MAIL

TO: Glenna Lombardi

FROM: Patrick T. Miyaki

DATE: November 6, 2010

RE: **Application to Transfer Uninstalled Non-Priority Water Service Connection from Gill-Vista Property**

Glenna, I reviewed the Application to transfer one 5/8-inch uninstalled non-priority water service connection from Gary Podesta, Trustee, and Wayne Podesta (APN 056-310-120) to the Brown Family Living Trust (APN 047-153-240).

This Application is generally in order and satisfies the requirements of the District's General Regulations Regarding Water Service, Section U, Transfer of Uninstalled Water Service Connection Rights.

Please do not hesitate to contact me if you have any questions or want to discuss this matter in more detail.

cc: David Dickson

November 10, 2010

Gary Podesta, TR & Wayne Podesta
C/O David Uccelli, Esq.
520 So. El Camino,Real, Suite 700
San Mateo, CA 94402

Brown Family Living Trust
3480 Streamside lane #221
Thousand Oaks, CA 91360

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) uninstalled, non-priority Crystal Springs Project water service connection. The result of this transfer is as follows:

- **APN 056-310-120** has the remaining rights to 92---5/8" (20 gpm) non-priority water service connections from the Crystal Springs Project and one PRE-CSP connection that is installed and serving the property since 1967; and

- **APN 047-153-240** now has one---5/8" (20 gpm) uninstalled 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 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

Cc: David Dickson, General Manager

COASTSIDE COUNTY WATER DISTRICT
Installed Water Connection Capacity & Water Meters

2010

Installed Water Connection Capacity	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Total
HMB Non-Priority													
0.5" capacity increase													
5/8" meter	1						3	1	3	1	1		**10**
3/4" meter													**0**
2" meter													
HMB Priority													
0.5" capacity increase											0.5		
5/8" meter													**0**
3/4" meter													**0**
1" meter							1						**1**
1 1/2" meter													
2" meter													
County Non-Priority													
5/8" meter					1						1		**2**
3/4" meter								1		1			**2**
1" meter													**0**
County Priority													
5/8" meter					1								**1**
3/4" meter													**0**
1" meter													**0**
Monthly Total	**1**	**0**	**0**	**0**	**2**	**0**	**4**	**2**	**3**	**2**	**2.5**	**0**	**16**

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

Installed Water Meters	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
HMB Non-Priority	**1**						5.5	1	3	1	1		**12.5**
HMB Priority										1.5	0.5		**2**
County Non-Priority					1			1.5			1		**3.5**
County Priority					1								**1**
Monthly Total	**1**	**0**	**0**	**0**	**2**	**0**	**5.5**	**2.5**	**3**	**2.5**	**2.5**	**0**	**19**

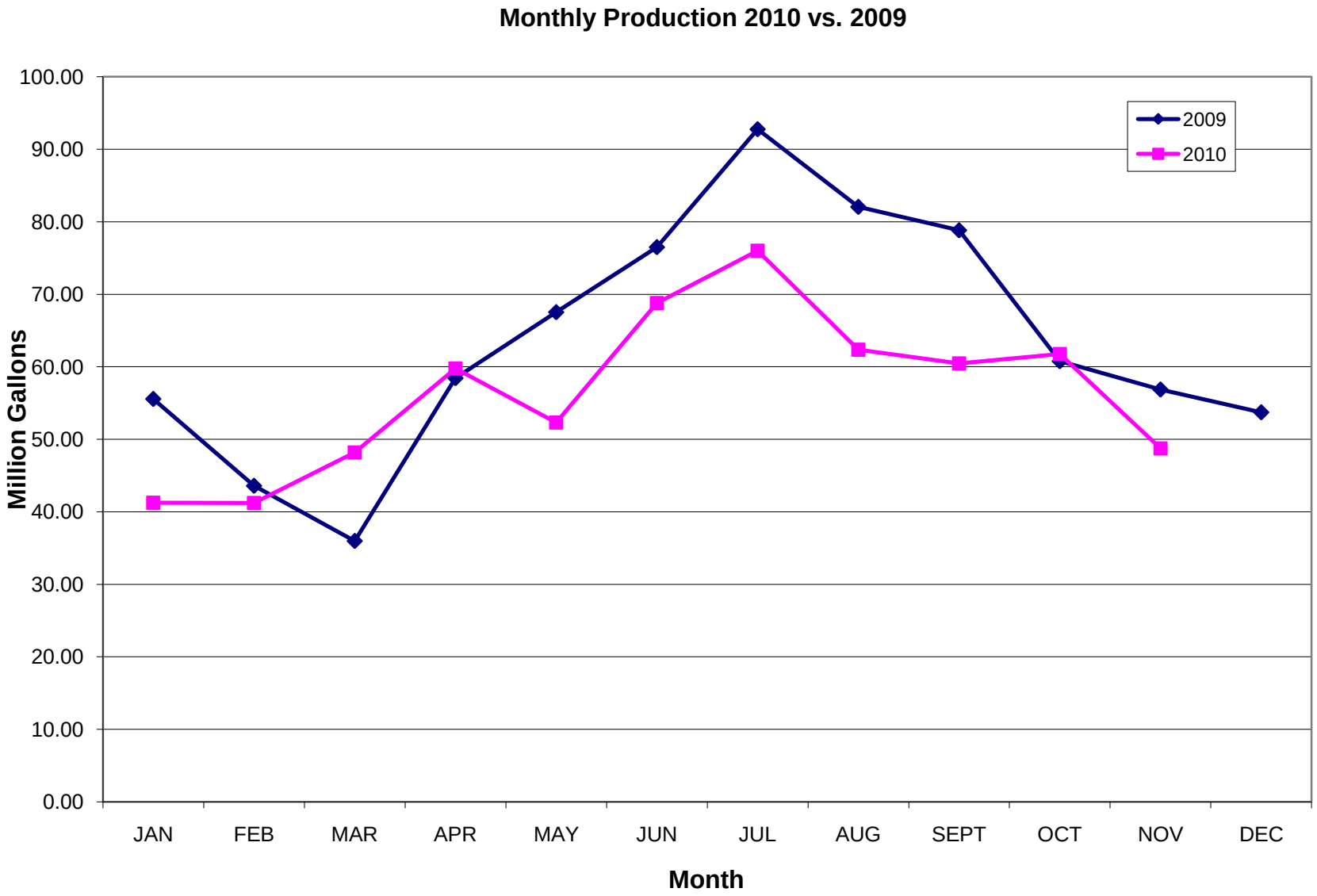
TOTAL CCWD PRODUCTION (MG) ALL SOURCES-2010

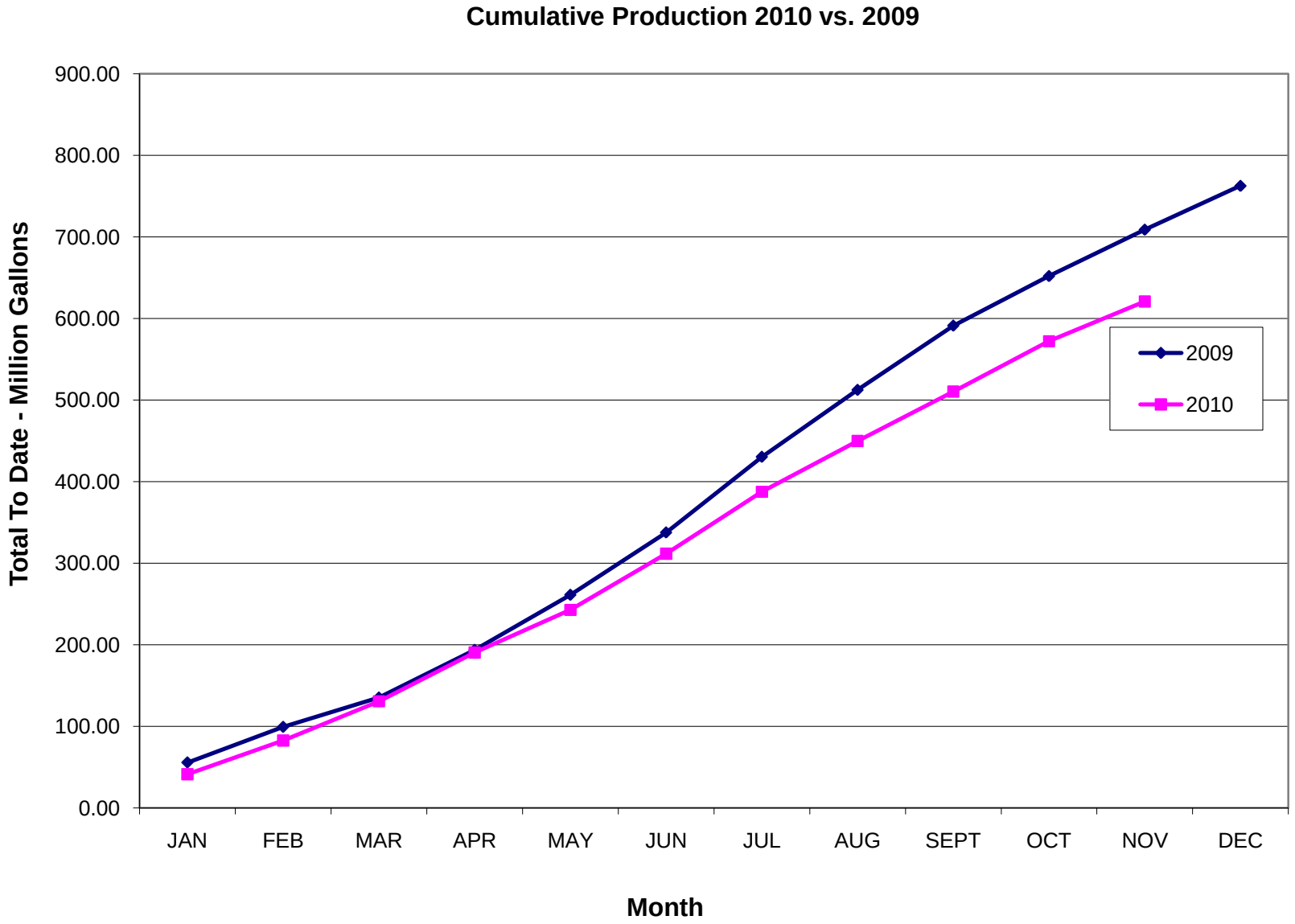
	PILARCITOS WELLS	PILARCITOS LAKE	DENNISTON WELLS	DENNISTON RESERVOIR	CRYSTAL SPRINGS RESERVOIR	RAW WATER TOTAL	UNMETERED WATER	TREATED TOTAL
JAN	9.51	6.60	0.00	0.00	25.35	41.46	0.19	41.27
FEB	9.93	30.99	0.00	0.00	0.00	40.92	-0.29	41.21
MAR	11.65	37.69	0.00	0.00	0.00	49.34	1.16	48.18
APR	0.00	52.741	1.92	5.55	0.18	60.39	0.64	59.75
MAY	0.00	46.00	1.47	5.43	0.31	53.21	0.90	52.32
JUN	0.00	49.53	1.61	5.29	13.06	69.49	0.69	68.80
JUL	0.00	57.55	1.04	2.07	15.12	75.78	-0.21	75.99
AUG	0.00	41.40	0.80	3.03	18.17	63.40	1.06	62.35
SEPT	0.00	22.17	1.36	3.63	34.64	61.80	1.34	60.46
OCT	0.00	38.13	0.00	0.00	23.69	61.82	0.05	61.77
NOV	8.08	41.38	0	0.00	0.00	49.46	0.71	48.75
DEC								
TOTAL	39.17	424.18	8.20	25.00	130.52	627.07	6.233	**620.84**
% TOTAL	6.2%	67.6%	1.3%	4.0%	20.8%	100.0%	0.99%	99.0%

12 Month Running Treated Total **672.75**

TOTAL CCWD PRODUCTION (MG) ALL SOURCES-2009

	PILARCITOS WELLS	PILARCITOS LAKE	DENNISTON WELLS	DENNISTON RESERVOIR	CRYSTAL SPRINGS RESERVOIR	RAW WATER TOTAL	UNMETERED WATER	TREATED TOTAL
JAN	1.56	0.00	0.00	0.78	52.21	54.55	-0.96	55.51
FEB	4.19	5.11	0.00	0.00	33.52	42.82	-0.76	43.58
MAR	1.12	35.08	0.00	0.00	0.00	36.20	0.24	35.96
APR	0.00	58.566	0.30	0.76	0.00	59.63	1.23	58.40
MAY	0.00	49.27	2.43	12.46	3.77	67.93	0.45	67.48
JUN	0.00	57.09	2.38	11.07	5.84	76.38	-0.10	76.48
JUL	0.00	1.78	0.00	1.27	90.10	93.15	0.42	92.73
AUG	0.00	0.00	0.00	0.00	82.30	82.30	0.33	81.97
SEPT	0.00	0.00	0.00	0.00	78.74	78.74	-0.07	78.81
OCT	0.00	0.00	0.00	0.00	60.48	60.48	-0.26	60.74
NOV	5.14	0.00	0.69	2.85	48.00	56.68	-0.15	56.83
DEC	7.93	0.00	0.6	3.07	40.13	51.73	-0.185	51.92
TOTAL	19.94	206.90	6.40	32.26	495.09	760.59	0.190	**760.40**
% TOTAL	2.6%	27.2%	0.8%	4.2%	65.1%	100.0%	0.02%	100.0%


Monthly Production 2010 vs. 2009
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Million Gallons
2009
2010
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEPT
OCT
NOV
DEC
Month


Cumulative Production 2010 vs. 2009
Total To Date - Million Gallons
900.00
800.00
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEPT
OCT
NOV
DEC
Month
2009
2010

Coastside County Water District Monthly Sales By Category (MG)
2010

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	MG to Date
RESIDENTIAL	20.466	32.739	17.123	32.307	21.012	40.874	27.995	53.667	25.593	47.825	22.275		341.88
COMMERCIAL	5.336	1.055	5.677	1.046	5.353	1.197	6.625	1.341	6.030	1.516	5.531		40.71
RESTAURANT	2.192	0.239	2.512	0.206	2.651	0.268	3.245	0.282	2.994	0.294	2.646		17.53
HOTELS/MOTELS	2.699	1.872	2.512	1.444	3.186	1.940	3.691	2.239	3.483	2.085	2.621		27.77
SCHOOLS	0.347	0.233	0.367	0.352	0.548	1.126	1.334	1.347	1.378	1.132	0.373		8.54
MULTI DWELL	2.431	1.722	2.215	2.008	1.656	3.296	3.136	2.895	3.050	3.116	2.361		27.89
BEACHES/PARKS	0.436	0.004	0.599	0.022	0.669	0.011	0.902	0.113	0.889	0.083	0.462		4.19
FLORAL	5.243	6.738	7.648	8.280	8.995	7.819	7.238	7.186	7.566	5.095	4.724		76.53
RECREATIONAL	0.025	0.228	0.018	0.181	0.026	0.217	0.040	0.232	0.032	0.207	0.020		1.23
MARINE	0.975	0.000	0.779	0.000	0.743	0.000	0.987	0.000	1.055	0.000	0.871		5.41
IRRIGATION	0.120	0.653	0.046	0.652	0.070	5.187	12.096	9.452	8.749	9.672	0.159		46.86
Portable Meters	0.010	0.070	0.000	0.117	0.000	0.310	0.000	0.408	0.000	0.382	0.000		1.30
TOTAL - MG	40.28	45.55	39.50	46.62	44.91	62.25	67.29	79.16	60.82	71.41	42.04	0.00	599.82

Running 12 Month Total 648.04

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

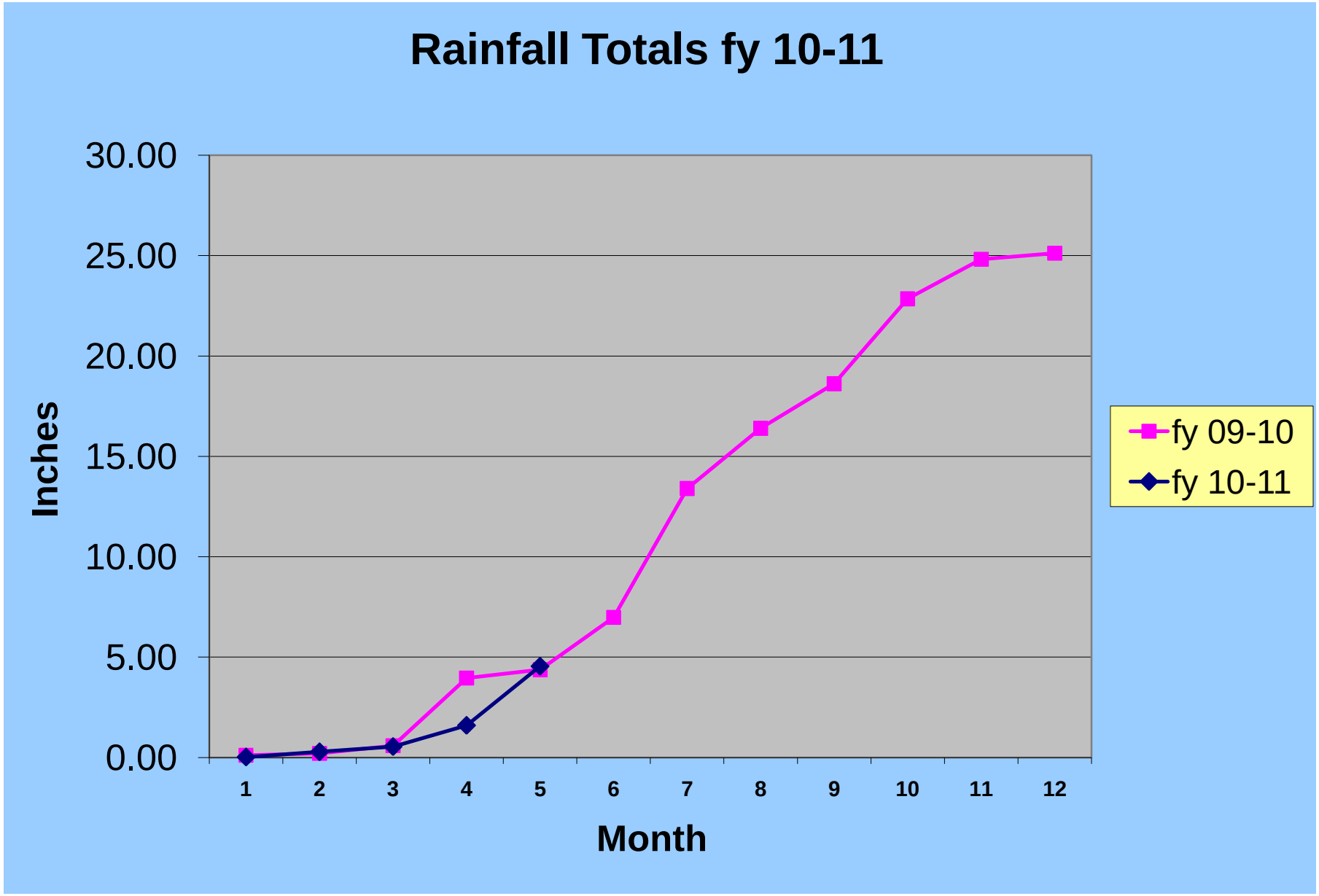
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	MG to Date
RESIDENTIAL	23.097	35.336	18.88	37.224	23.718	48.096	29.420	55.001	29.038	48.765	22.031	34.135	404.74
COMMERCIAL	5.456	0.952	4.953	1.188	5.552	1.217	6.815	1.275	6.710	1.512	5.317	1.047	41.99
RESTAURANT	2.623	0.123	2.585	0.12	2.872	0.126	3.196	0.337	3.279	0.313	2.527	0.272	18.37
HOTELS/MOTELS	3.755	0.085	3.39	0.088	3.928	0.115	4.721	2.061	4.029	1.735	3.473	1.291	28.67
SCHOOLS	0.737	0.034	0.509	0.043	1.615	0.12	2.884	1.989	1.966	1.490	1.079	0.525	12.99
MULTI DWELL	1.863	1.331	2.533	1.277	2.441	1.435	2.872	3.378	3.531	2.424	2.055	2.254	27.39
BEACHES/PARKS	0.405	0.017	0.305	0.052	0.818	0.101	1.049	0.146	1.180	0.074	0.563	0.014	4.72
FLORAL	9.622	0.242	11.549	0.241	16.427	0.158	13.865	7.366	9.049	7.344	8.228	5.018	89.11
RECREATIONAL	0	0.17	0.046	0.221	0.055	0.203	0.070	0.260	0.080	0.194	0.026	0.203	1.53
MARINE	1.006	0	0.812	0	0.802	0	0.966	0.000	1.233	0.000	1.184	0.000	6.00
IRRIGATION	2.042	1.247	1.076	1.213	0.728	2.418	17.384	15.809	11.340	8.194	3.227	3.234	67.91
PORTABLE METERS	0	0.371	0	0.193	0	0.362	0.000	0.508	0.000	0.339	0.000	0.229	
MG	50.61	39.91	46.64	41.86	58.96	54.35	83.24	88.13	71.44	72.38	49.71	48.22	705.44

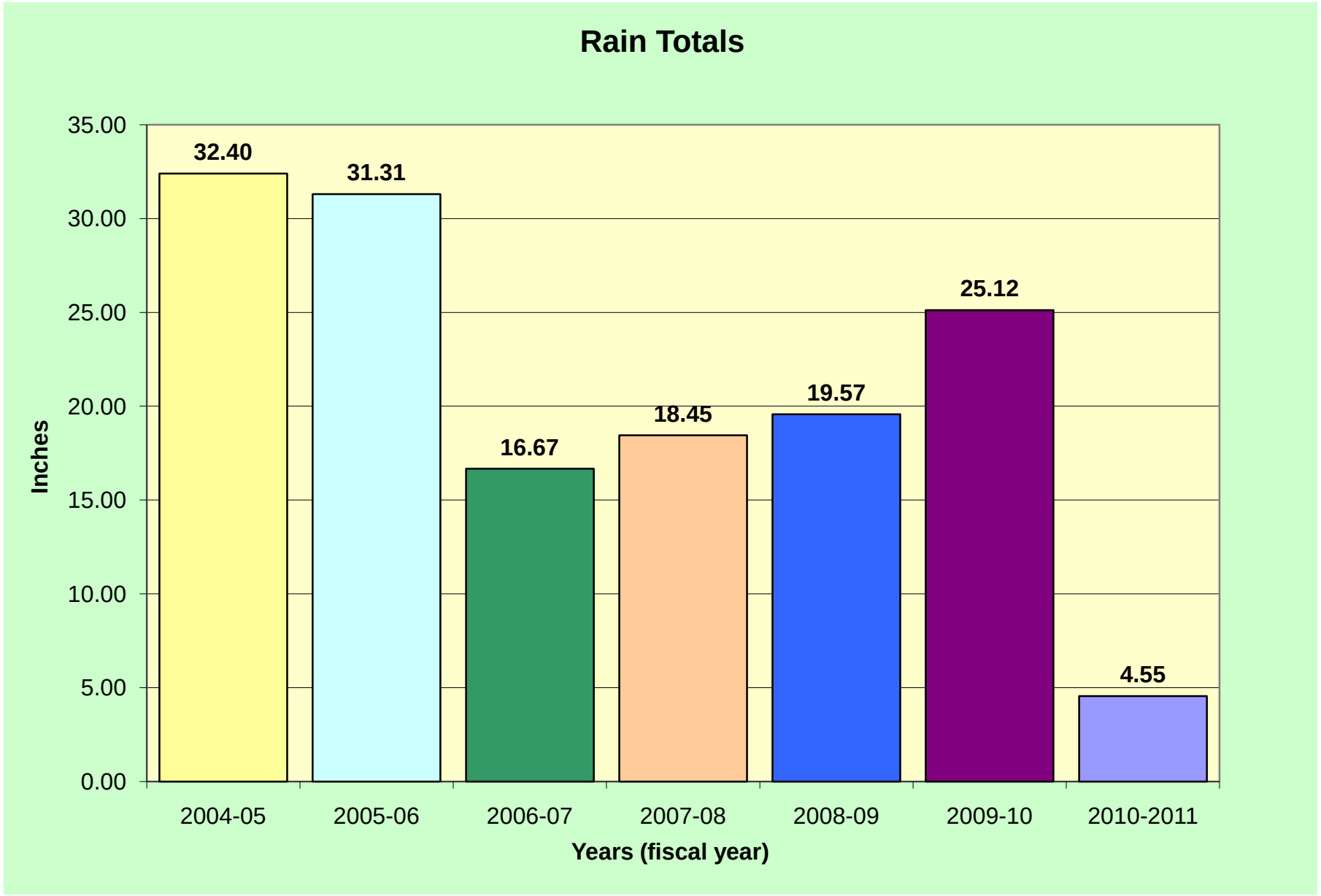
Coastside County Water District
Monthly Leak Report
November 2010

Date	Location	City	Pipe Type/Size	Repair Material	Estimated Water Loss (gallons)	Repair Material Costs	Manpower and Equipment Costs	Estimated Cost of Repair (dollars)
								$0
05-Nov-10	Kelly Ave	HMB	1" Black plastic service	1 - 1" cop to cop / 1 - 1" cop 90 / 1 - 1" nut / 20' - 1"copper / 6 ton rock	1,600	$255.63	$900	$1,156
								$0
								$0
				TOTAL	**1,600.00**	**255.63**	**900.00**	**1,155.63**

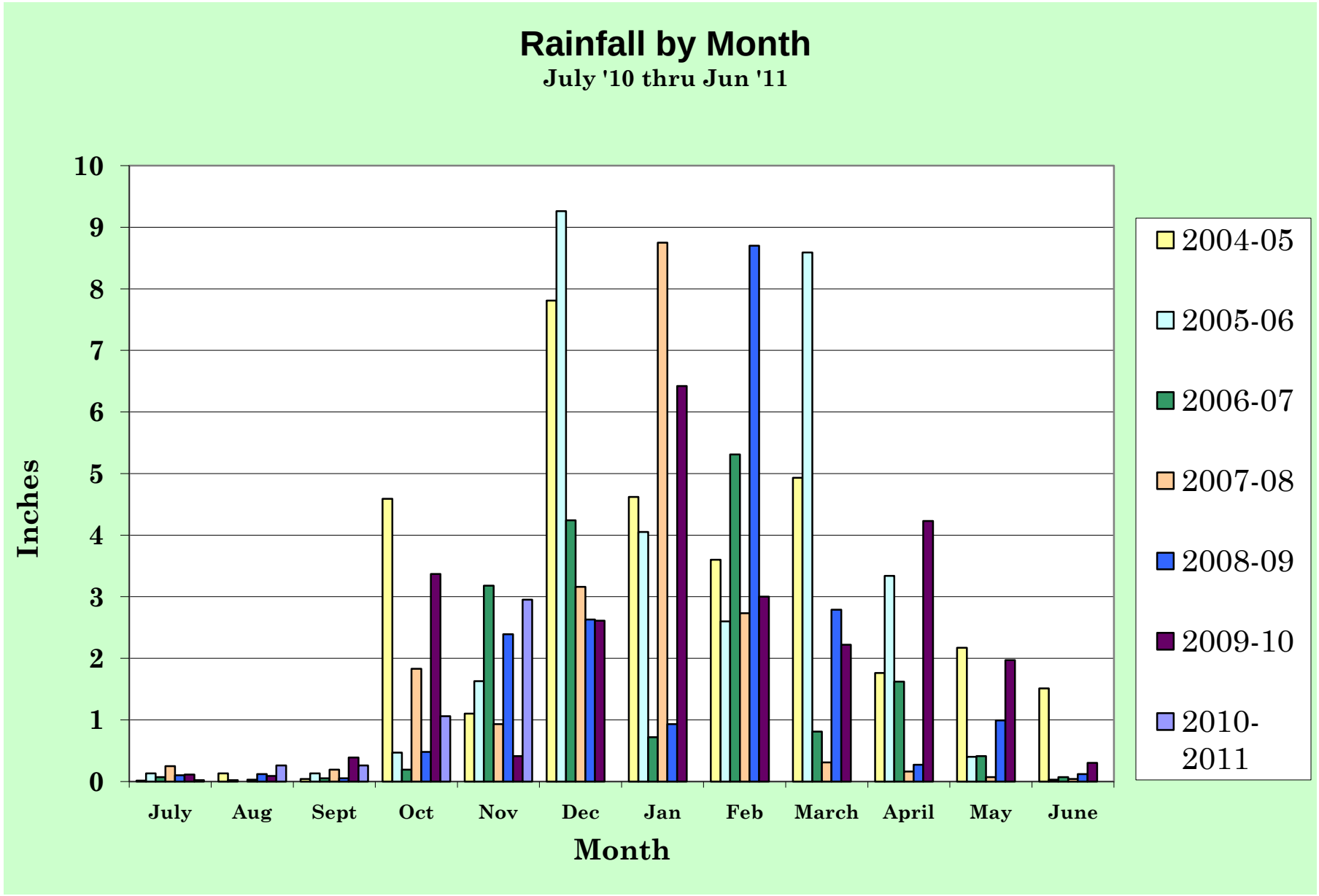
Coastside County Water District **District Office**
766 Main Street **Rainfall in Inches**
July 2010 - June 2011

	2010						2011					
	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June
1	0	0	0	0	0.01							
2	0	0.01	0	0	0							
3	0	0.01	0	0	0.01							
4	0	0.01	0	0	0							
5	0	0.03	0	0	0.01							
6	0	0.02	0	0	0							
7	0	0.02	0.07	0	0.77							
8	0	0.02	0.03	0.01	0.01							
9	0	0.01	0	0	0.1							
10	0	0.01	0	0	0.14							
11	0	0.02	0	0	0							
12	0	0.01	0.01	0	0							
13	0	0.02	0	0	0							
14	0	0	0	0	0							
15	0	0	0.03	0	0							
16	0	0.01	0	0.01	0							
17	0	0.01	0.03	0.11	0.01							
18	0	0	0.04	0	0.01							
19	0	0	0.02	0	0.41							
20	0	0.02	0	0.01	0.5							
21	0	0.01	0	0	0.17							
22	0	0	0.01	0.07	0.03							
23	0	0	0	0.13	0.33							
24	0	0	0	0.57	0							
25	0	0	0	0.01	0							
26	0	0	0	0	0							
27	0	0	0	0	0.43							
28	0	0	0	0	0							
29	0	0	0.01	0.09	0.01							
30	0.01	0.01	0.01	0.05	0							
31	0.01	0.01		0								
Mon.Total	0.02	0.26	0.26	1.06	2.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Year Total	0.02	0.28	0.54	1.60	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55


Rainfall Totals fy 10-11
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Inches
1
2
3
4
5
6
7
8
9
10
11
12
Month
fy 09-10
fy 10-11


Rain Totals
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Inches
32.40
31.31
16.67
18.45
19.57
25.12
4.55
2004-05
2005-06
2006-07
2007-08
2008-09
2009-10
2010-2011
Years (fiscal year)

Coastside County Water District



MONTHLY CLIMATOLOGICAL SUMMARY for NOV. 2010

NAME: CCWD1 CITY: STATE:
ELEV: 0 ft LAT: LONG:

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	59.3	72.2	3:00p	50.6	3:00a	6.7	1.0	0.01	2.2	16.0	7:30a	N
2	62.3	78.7	3:30p	53.0	12:30a	5.3	2.6	0.00	1.7	15.0	10:30a	N
3	62.9	79.4	4:30p	53.1	7:00a	4.6	2.5	0.01	1.1	15.0	4:00p	SE
4	65.6	75.6	11:30a	56.5	2:30a	2.3	2.9	0.00	1.6	20.0	4:00a	SW
5	60.1	69.7	1:30p	54.4	6:30a	5.1	0.2	0.01	0.4	8.0	12:30p	SSW
6	58.0	63.6	4:00p	53.1	8:30a	7.0	0.0	0.00	1.0	9.0	12:30p	SSW
7	58.0	61.7	1:00p	51.6	12:00m	7.0	0.0	0.77	1.9	20.0	11:00a	SE
8	52.5	58.9	2:30p	45.3	12:00m	12.5	0.0	0.01	1.3	18.0	5:30p	NNW
9	51.5	61.4	4:30p	41.7	7:30a	13.5	0.0	0.10	1.0	12.0	6:00p	SSW
10	54.1	61.1	2:00p	45.7	12:00m	10.9	0.0	0.14	1.1	17.0	2:00p	WNW
11	53.3	65.9	3:30p	43.6	3:30a	11.7	0.0	0.00	1.6	17.0	10:30a	N
12	50.8	63.7	1:00p	41.5	6:00a	14.2	0.0	0.00	0.7	9.0	2:00p	NE
13	55.8	70.0	3:30p	46.3	8:00a	9.7	0.5	0.00	1.3	14.0	2:30p	NNE
14	58.0	69.9	12:30p	49.9	3:00a	7.5	0.5	0.00	1.0	10.0	11:00a	N
15	61.4	76.6	2:00p	52.7	12:00m	5.6	1.9	0.00	1.1	14.0	11:30a	SSW
16	54.6	66.2	11:30a	48.3	12:00m	10.4	0.0	0.00	0.7	12.0	2:00p	WSW
17	51.2	60.2	2:30p	43.3	7:00a	13.8	0.0	0.01	0.4	6.0	1:00p	SSW
18	52.3	60.4	3:30p	45.4	5:00a	12.7	0.0	0.01	0.6	9.0	4:00p	SSW
19	53.9	60.2	1:30p	47.4	12:00m	11.1	0.0	0.41	1.2	11.0	11:30a	SE
20	50.9	58.6	2:00p	45.6	5:00a	14.1	0.0	0.50	2.1	21.0	7:30p	SE
21	51.0	56.9	3:30p	46.5	7:30a	14.0	0.0	0.17	3.3	18.0	7:00a	SW
22	53.4	62.0	2:00p	46.1	7:30a	11.6	0.0	0.03	1.9	13.0	12:30a	S
23	51.7	57.3	11:00a	39.6	12:00m	13.3	0.0	0.33	3.5	21.0	7:00p	SSW
24	41.8	51.4	3:00p	34.9	5:30a	23.2	0.0	0.00	1.7	11.0	3:30p	NNE
25	43.3	52.5	3:30p	35.5	8:30a	21.7	0.0	0.00	1.6	18.0	11:30a	NNE
26	46.5	54.1	3:30p	40.3	5:30a	18.5	0.0	0.00	1.9	12.0	3:00a	NNE
27	50.0	56.3	11:30a	43.7	1:00a	15.0	0.0	0.43	2.5	21.0	8:00a	SE
28	47.1	54.5	3:30p	38.7	11:00p	17.9	0.0	0.00	2.3	14.0	1:00a	NNW
29	45.2	55.3	3:30p	37.1	3:00a	19.8	0.0	0.01	2.3	17.0	11:30a	N
30	48.0	58.4	3:00p	40.0	4:30a	17.0	0.0	0.00	1.8	12.0	11:00a	N
	53.5	79.4	3	34.9	24	357.7	12.1	2.95	1.6	21.0	20	N

Max >= 90.0: 0
Max <= 32.0: 0
Min <= 32.0: 0
Min <= 0.0: 0
Max Rain: 0.77 ON 11/07/10
Days of Rain: 9 (>.01 in) 7 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration

Half Moon Bay | NOV | 2010 | (03-09)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

STATE	COUNTY	RIVER
CA	San Mateo	

TIME (local) OF OBSERVATION RIVER	TEMPERATURE	PRECIPITATION	STANDARD TIME IN USE
	16:00	16:00	

TYPE OF RIVER GAGE	ELEVATION OF RIVER GAGE ZERO	FLOOD STAGE	NORMAL POOL STAGE

DATE	TEMPERATURE: 24 HRS ENDING AT OBSERVATION MAX	MIN	AT OBSN	PRECIPITATION: 24 HR AMOUNTS Rain, melted snow, etc. (in and hundredths)	Snow, ice pellets, hail (ins.and tenths)	AT OB Snow, ice pellets, hail ice on ground (in)	Draw a straight line (——) through hours precipitation was observed, and a wavy line (~~~~) through hours precipitation probably occurred unobserved: A.M. 1 2 3 4 5 6 7 8 9 10 11 / NOON 1 / P.M. 1 2 3 4 5 6 7 8 9 10 11	WEATHER (Observation Day) Mark 'X' for all types occurring each day: Fog	Ice pellets	Glaze	Thunder	Hail	Damaging winds	Time of occurrence if different from above	RIVER STAGE: Condition	Gage reading at ___ AM	Tendency	REMARKS (SPECIAL OBSERVATIONS, ETC.)
1	72	48	67	0.00													
2	74	46	69	0.01													
3	73	47	65	0.00													
4	80	50	67	0.00													
5	68	51	60	0.00													
6	63	49	61	0.00													
7	61	52	57	0.73													
8	59	43	56	0.04													
9	58	38	56	T													
10	59	48	58	0.24													
11	66	39	61	T													
12	61	37	59	0.00													
13	70	42	62	0.00													
14	67	45	61	T													
15	78	51	60	0.00													
16	62	41	57	0.01													
17	58	36	52	T													
18	57	44	57	0.01													
19	57	46	52	0.02													
20	53	41	52	0.79													
21	55	43	52	0.42													
22	57	43	54	0.08													
23	55	46	50	0.26													
24	51	31	50	T													
25	53	31	53	0.00													
26	57	36	52	0.00													
27	54	41	52	0.34													
28	54	45	51	T													
29	57	34	53	0.00													
30	55	36	53	0.00													
31																	
	61.5	42.7	SUM	2.95		X											

CHECK BAR (for wire weight) NORMAL CHECK BAR

READING	DATE

CONDITION OF RIVER AT GAGE

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

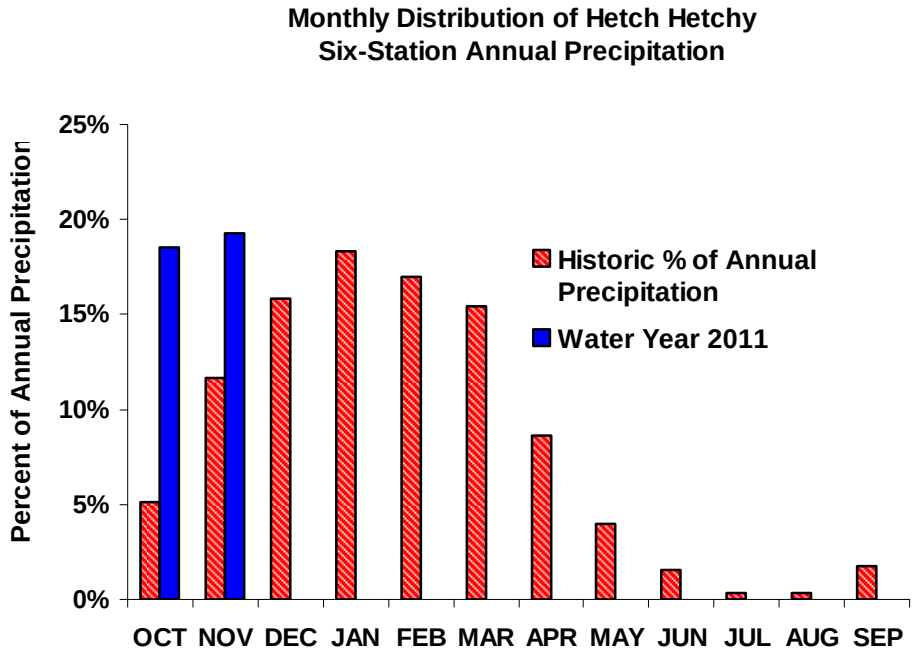
Fog	Ice pel	Glaze	Thund	Hail	Dam winds

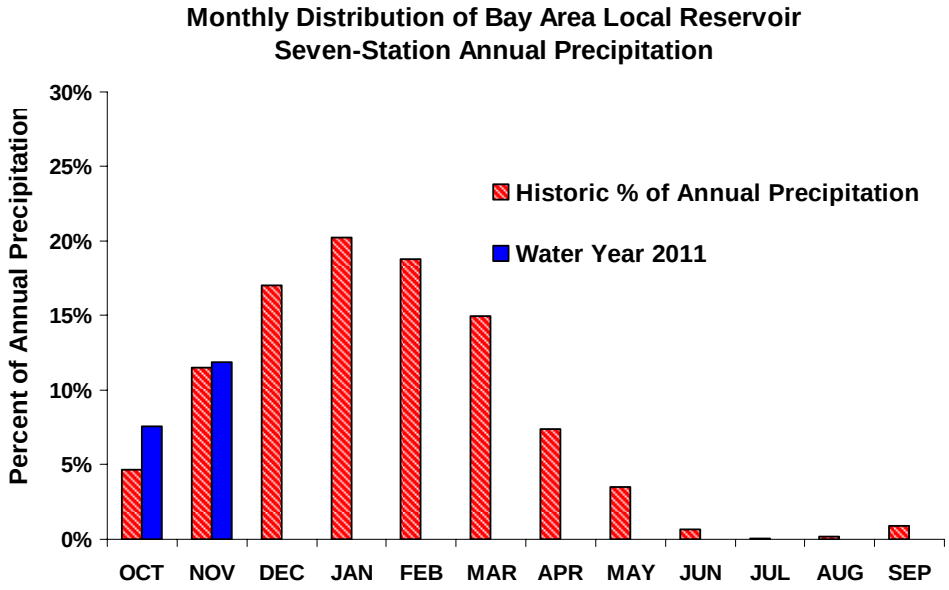
OBSERVER
Closed by Tony Pullin (HMBC1) on 06 Dec 2010 03:40PM

SUPERVISING OFFICE	STATION INDEX NO.
MTR San Francisco	04-3714-04

San Francisco Public Utilities Commission
Hydrological Conditions Report
For November 2010

J. Chester, B. McGurk, A. Mazurkiewicz, & M. Tsang, December 3, 2010





Monthly Precipitation: Both the Tuolumne and Local areas have had a great start to water year 2011. Precipitation to date at the Hetch Hetchy gauge is the third wettest in a 90-year record.

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

Table 1
Current Storage
As of December 1, 2010

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/]	313,190		340,830		27,640		91.9%
Cherry [2/]	251,934		268,810		16,876		93.7%
Lake Eleanor [3/]	20,593		23,541		2,948		87.5%
Water Bank	562,261		570,000		7,739		98.6%
Tuolumne Storage	1,147,978		1,203,181		55,203		95.4%
Local Bay Area Storage							
Calaveras [4/]	32,090	10,457	96,824	31,550	64,734	21,093	33.1%
San Antonio	45,544	14,841	50,496	16,454	4,952	1,614	90.2%
Crystal Springs	51,827	16,888	58,377	19,022	6,550	2,134	88.8%
San Andreas	17,818	5,806	18,996	6,190	1,178	384	93.8%
Pilarcitos	2,162	704	2,995	976	833	271	72.2%
Total Local Storage	149,441	48,696	227,688	74,192	78,247	25,496	65.6%
Total System	1,297,419		1,430,869		133,450		90.7%

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

Hetch Hetchy System Precipitation Index [5/]

Current Month: An above average November followed an above average October for a great start to water year 2011. The November six-station precipitation index is 6.84 inches or 166.0% of the average index for the month.

Cumulative Precipitation to Date: The accumulated six-station precipitation index for water year 2011 is 13.6 inches, which is 38.1% of the average annual water year total, or 225.3% of the average annual to date. The water-year cumulative precipitation for the Hetch Hetchy gauge is shown in Figure 1 in red, and is well above the median line. The cumulative precipitation to date is the 3rd highest in the 90-year Hetch Hetchy gauge record.

[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.

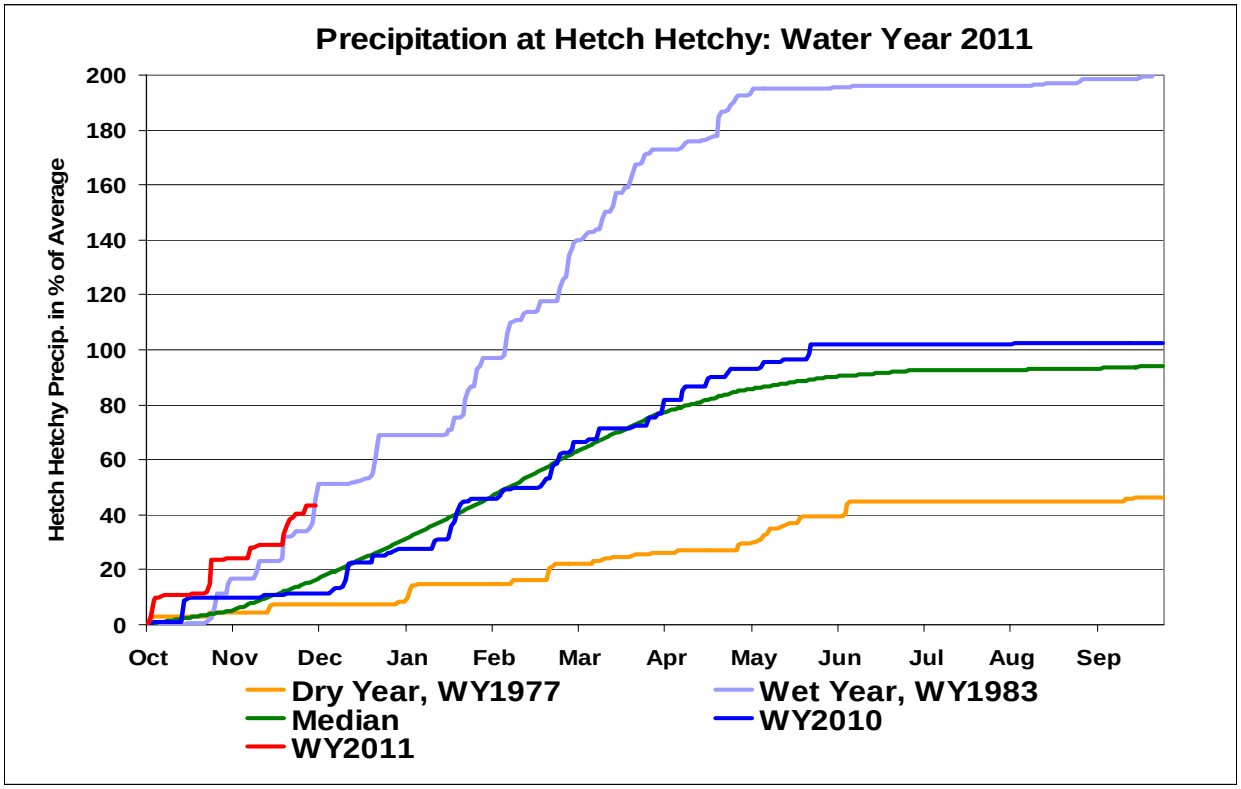


Figure 1: Water year 2011 cumulative precipitation received at Hetch Hetchy Reservoir through the end-of-month November. Precipitation curves for wet, dry, median, and WY 2010 years for the station at Hetch Hetchy are included for comparison purposes.

Tuolumne Basin Unimpaired Inflow

Unimpaired inflow to SFPUC reservoirs and the Tuolumne River at La Grange as of November 30th is summarized below in Table 2. Above average monthly precipitation totals resulted in above normal inflow conditions during the month of November. While reservoir inflows were above normal, only 1,031 acre-feet of water became available to the City. This is due to absence of large runoff events which generate flow at La Grange above the district's daily entitlement.

Table 2
Unimpaired Inflow
Acre-Feet

	November 2010				October 1, 2010 through November 30, 2010			
	Observed Flow	Median[6]	Average[6]	Percent of Average	Observed Flow	Median[6]	Average[6]	Percent of Average
Inflow to Hetch Hetchy Reservoir	33,693	6,892	14,104	238.9%	83,212	10,442	20,189	412.2%
Inflow to Cherry Reservoir and Lake Eleanor	25,325	8,406	16,102	157.3%	67,795	11,742	21,228	319.4%
Tuolumne River at La Grange	79,403	24,262	47,011	168.9%	184,690	39,873	63,835	289.3%
Water Available to the City	1,031	0	14,042	7.3%	65,340	0	15,917	220.0%

[6] Hydrologic Record: 1919 – 2005.

Hetch Hetchy System Operations

Draft from Hetch Hetchy Reservoir in October totaled 24,524 acre-feet which met SJPL deliveries, fisheries releases and reservoir management goals.

A total of 24,524 acre-feet of power draft was made at Cherry Reservoir to control reservoir elevation and to support the City's Municipal load, District Class 1, other loads or accounts, and sales. 13,250 acre-feet of water was transferred from Eleanor to Cherry in November in order to make efficient use of available water and control reservoir elevation in Lake Eleanor

Local System Operations

The Sunol Valley Water Treatment Plant average production rate for the month of November was 24 MGD, and the Harry Tracy Water Treatment Plant rate averaged 41 MGD.

Local System Water Delivery

The water delivery rates for the month averaged 189 MGD. This is a 20% decrease below the October average rate of 236 MGD. The drop in delivery rate is consistent with lower demands in response to seasonally cooler temperatures and the above-normal precipitation in the local area.

Local Precipitation

October's wet weather continued into November, and precipitation across the Peninsula and East Bay watersheds was above average. Most notably, the East Bay's Calaveras Reservoir gauge recorded a watershed-wide high daily precipitation amount of 1.5" on November 20th. Pilarcitos and Lower Crystal Springs recorded 1.21 and 0.78 inches respectively on that same date. The November rainfall summary is presented in Table 3.

Table 3
Precipitation Totals At Three Local Area Reservoirs For November 2010

Reservoir	Month Total (inches)	Percentage of Normal for the Month	Water Year To Date [7] (inches)	Percentage of Normal for the Year-to-Date [7]
Pilarcitos	5.61	117 %	8.84	126 %
Lower Crystal Springs	3.53	103 %	4.76	98 %
Calaveras	3.97	149 %	5.31	141 %

[7] WY 2010: Oct 2010 through Sep 2011

Snowmelt and Water Supply

All three Tuolumne reservoirs remain above normal storage for this time of year. This is due to below normal temperatures and above average inflows. Local reservoirs remain high for similar reasons: above normal precipitation and below normal temperatures which typically reduce demand.

Winter began in the Tuolumne watersheds, with two cold storm systems dropping a total of 5 to 6 feet of snowfall at the higher elevations and creating 100% snow coverage. The low-elevation snow which has accumulated is expected to slowly melt during the fair weather periods of December, which will maintain reservoir inflows. The current snowpack conditions are more typical of January and are a good start to a seasonal snowpack.

While November brought the onset of winter, forecasts for December have varied widely during the last few days. An unsettled pattern is expected over the next few weeks, but predictions of major storm systems have varied. La Niña conditions have dominated the weather pattern on the west coast, with the brunt of storms hitting the Pacific Northwest. Fortunately the Sierras have benefited along the southern edge of the storm systems. Optimistic weather outlooks keep this pattern in place, with continued unsettled conditions and the possibility of large storm accumulations. However, forecasting each system's effects on the Tuolumne watershed is difficult due to its position at the southern margin of most storm systems. The current below-normal temperatures will rise closer to the climatic normal over the next few days with slight chances of showers. The National Weather Service's Climate Prediction Center is forecasting an equal chance of above or below normal precipitation for the month.

Figure 2 shows the above-normal inflow associated with the wet October and November months. Snowmelt runoff forecasting will begin in January when snow surveys commence.

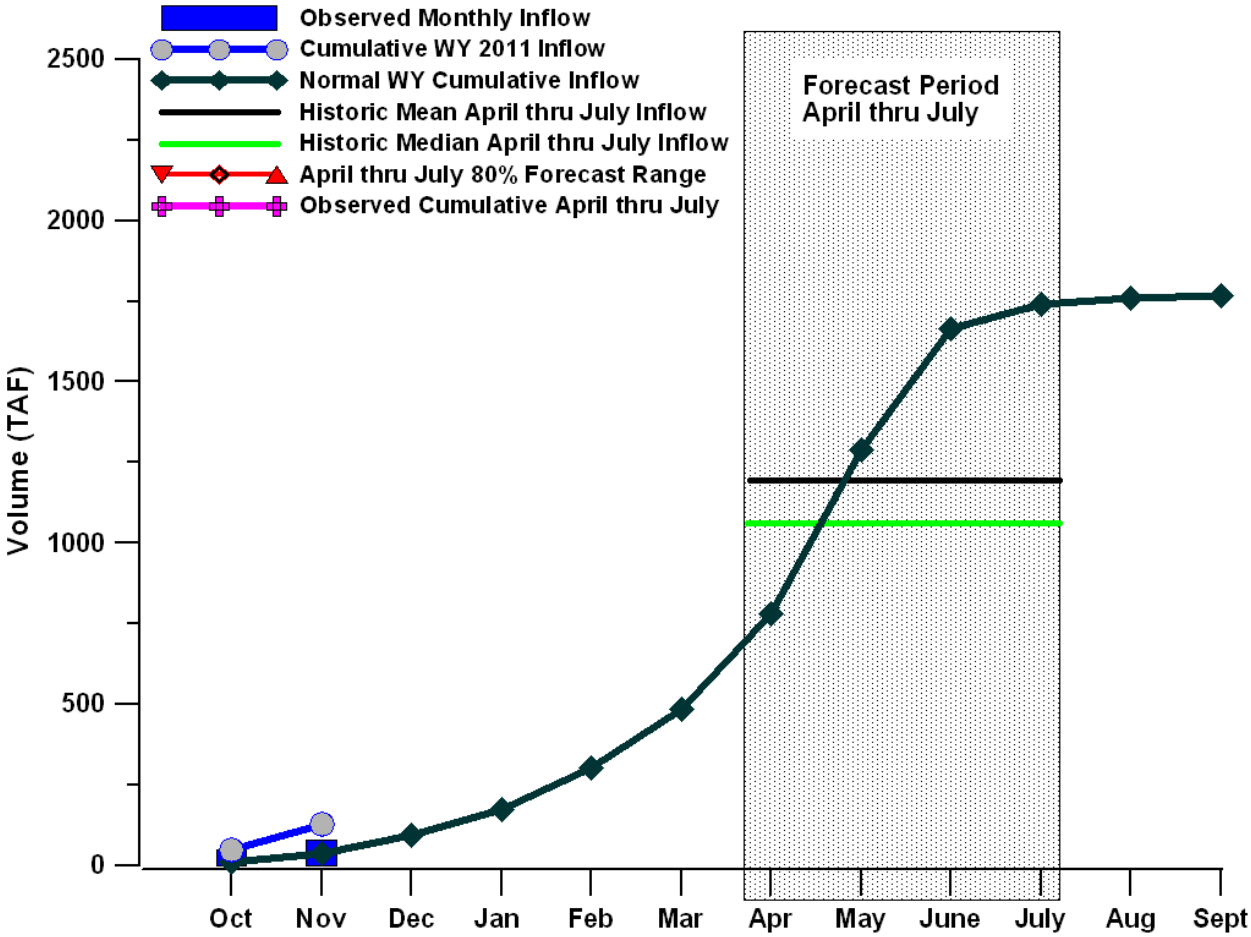


Figure 2: Water year 2011 conditions for the Tuolumne River at La Grange.

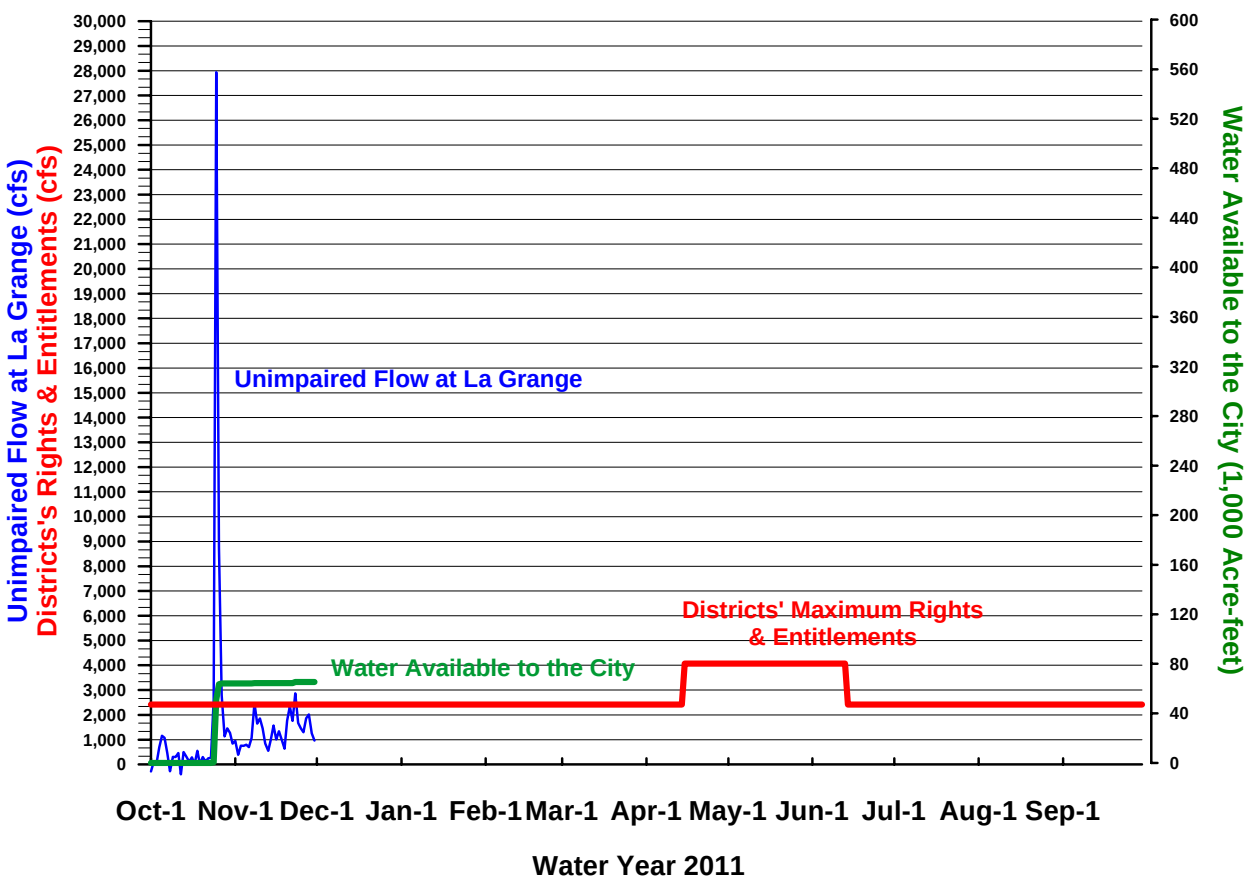


Figure 3: Calculated unimpaired flow at La Grange and the allocation of flows between the Districts and the City. Water available to the City for the period from October 1st, 2010 through November 30th, 2010 was 65,340 acre-feet.

Figure 3 shows the allocation of calculated unimpaired flow at La Grange between water owned by the Districts and water available to the City based on water rights agreements.

cc	HHWP Records	Dufour, Alexis	Jue, Tyrone	Patterson, Mike
	Briggs, David	Gibson, Bill	Kehoe, Paula	Ramirez, Tim
	Cameron, David	Griffin, Pat	Levin, Ellen	Ritchie, Steve
	Carlin, Michael	Hale, Barbara	Mazurkiewicz, Adam	Rydstrom, Todd
	Chester, John	Hannaford, Margaret	McGurk, Bruce	Samii, Camron
	DeGraca, Andrew	Harrington, Ed	Meier, Steve	Sandkulla, Nicole
	Dhakal, Amod	Jensen, Art	Nelson, Kent	Tsang, Michael

STAFF REPORT

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

From: **Dave Dickson, General Manager**

Agenda: **December 14, 2010**

Date: **December 8, 2010**

Subject: **Notice of Completion – Acceptance of Nunes Short-Term Improvement Project**

Recommendation:

That the Board of Directors take the following actions:

(1) Accept the Nunes Short Term Improvement Project as complete.

(2) Authorize the Notice of Completion to be filed with the County of San Mateo.

(3) Authorize the release of the retention funds when the Notice of Completion has been recorded and returned to the District.

Background

Coastside County Water District entered into a contract with KG Walters Construction Co., Inc., on September 23, 2009 for the Nunes Short-Term Improvement Project.

This project consisted of replacing existing chemical feed and storage systems for caustic soda, polymer, aluminum sulfate, and sodium hypochlorite and making associated improvements to electrical and control systems.

The project was completed constructed according to the plans and specifications and was completed on December 1, 2010.

Fiscal Impact: None

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL TO

Name
Street Address
City & State

COASTSIDE COUNTY WATER DISTRICT
766 MAIN STREET
HALF MOON BAY, CA 94019

SPACE ABOVE THIS LINE FOR RECORDER'S USE

RECORD WITHOUT FEE Govt. Code § 6103 & 27383

NOTICE OF COMPLETION

1. The undersigned is an owner of an interest or estate in the hereafter described real property, the nature of which is: Fee Title

2. The full name and address of the undersigned is:

COASTSIDE COUNTY WATER DISTRICT
766 MAIN STREET
HALF MOON BAY, CALIFORNIA 94019

3. On the 1st of December, 2010 there was completed upon the hereinafter described real property a work of improvement as a whole named Nunes Water Treatment Plant Short-Term Improvements Project, consisting of replacing existing chemical feed and storage systems for caustic soda, polymer, aluminum sulfate, and sodium hypochlorite and making associated improvements to electrical and control systems.

4. The name of the original contractor for the work of improvement as a whole was: KG Walters Construction Co., Inc., P. O. Box 4359, Santa Rosa, CA 95402.

5. The real property herein referred to is situated in the unincorporated area of County of San Mateo, State of California, and described as follows:

The work is located within parcels of land owned by the Coastside County Water District. The Nunes Water Treatment Plant is located at 500 Lewis Foster Drive, in the unincorporated community of Half Moon Bay, California in San Mateo County (Assessor Parcel Number 056-320-090*).*

I certify under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

COASTSIDE COUNTY WATER DISTRICT

BY: _____
David R. Dickson, Secretary

VERIFICATION

I, David R. Dickson, declare that I am the Secretary of the Coastside County Water District and am authorized to make this verification for that reason. I have read said Notice of Completion and know the contents thereof to be true and correct.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on December 15, 2010, at Half Moon Bay, California
(Date) (Place where signed)

By: _____
David R. Dickson,
Secretary of the District

STAFF REPORT

To: **Coastside County Water District Board of Directors via David Dickson, General Manager**

From: **Joe Guistino**

Agenda: **December 14, 2010**

Report Date: December 10, 2010

Subject: **Approval of Andreini Right of Entry Permit Agreement**

Recommendation
Authorize the General Manager to execute the attached Right of Entry Permit agreement with Eddie and Linda Andreini allowing the Andreinis to use a road on District land at the Nunes Water Treatment Plant.

Background
With their acquisition of the property adjacent to and partially surrounding the Nunes WTP, the Andreini family has requested permission to access the southern portion of their property by passing along the existing dirt road that starts on their property and traverses a small portion of District property. The terrain is very rugged and the construction of a new road outside of our property boundary would be impractical or prohibitively expensive. Mr. Andreini does not plan on developing or otherwise improving the southern portion of his property but does plan on taking measures to limit the erosion that is presently occurring.

The attached Right of Entry Permit agreement establishes the terms under which Mr. Andreini may use the road on District land. He is responsible for any damages or liability which may arise from his activities. The agreement terminates on January 1, 2016 unless extended by mutual agreement.

Fiscal Impact
None.

RIGHT OF ENTRY PERMIT

THIS AGREEMENT ("Agreement") is made this _____ day of November, 2010, by and between the Coastside County Water District ("District"), and Linda Andreini and Eddie Andreini (together, "Permittee").

RECITALS

A. District owns real property upon which the District operates, maintains and repairs the Nunes Water Treatment Plant, Carter Hill Water Storage Tanks, and related water system facilities.

B. Permittee owns real property adjacent to the District property.

C. Permittee desires to use a portion of the District property, as shown on the drawing attached as Exhibit A ("Property"), specifically a dirt road that crosses onto the District Property ("Dirt Road").

C. District is willing to grant Permittee a permit to enter onto the Property subject to the terms and conditions herein set forth.

AGREEMENT

FOR VALUABLE CONSIDERATION, the receipt of which is acknowledged, the parties agree as follows:

1. District permits Permittee to enter upon the Property at the location shown on Exhibit A to use, maintain, and repair the Dirt Road. Permittee's use of the Property is limited solely to using the Dirt Road for access to and from the Permittee's adjacent property. Permittee shall not place or store any equipment, supplies, or materials on the Property.

2. Permittee agrees to:

(a) Use, maintain, and repair the Property in such manner and at such times as shall not endanger or interfere with District's use of the Property, and in accordance with the regulations of the District and instructions of District's representative, and in accordance with all federal, state and local regulations, ordinances or laws which may be applicable to Permittee's use of the Property. Permittee shall maintain the Property in a reasonably neat and safe condition.

(b) Reimburse District for any cost and expense incurred by District in connection with Permittee's use of the Property, including without limitation the restoration of the Property to the same condition as when Permittee entered thereon, or to a condition satisfactory to District's representative, and any District oversight necessary to carry out the activities authorized by this Agreement. Permittee also shall reimburse the District for costs incurred for any inspection and/or coordination of activity on the Property.

(c) Permittee agrees to notify the District prior to the commencement of work on the Property. Permittee shall not perform work on the Property without District expressed authority to do so.

3. District shall not be responsible or held liable for any injury or damage to any person or property arising from Permittee's use of the Property. Permittee shall indemnify, keep and save harmless the District, and its directors, officers, agents and employees against any and all suits, claims or actions arising out of any injury to persons or property that may occur, or that may be alleged to have occurred, arising from Permittee's use of the Property. Permittee further agrees to defend any and all such actions, suits or claims and pay all charges of attorneys and all other incurred costs and expenses. If any judgment is rendered against the District or any of the other individuals enumerated above in any such action, the Permittee shall, at its expense, satisfy and discharge the same.

4. Prior to and at all times during Permittee's use of the Property, Permittee agrees to procure and maintain throughout the term of this Agreement, at its sole cost and expense, the following kinds of insurance, which shall include as additional insureds the Coastside County Water District, and its respective directors, officers, employees and agents (collectively referred to as "Insureds"), with an insurer or insurers and in a form satisfactory to District:

(a) Workers' Compensation and Employers' Liability Insurance in accordance with the laws of the State of California. Employers' Liability Insurance shall have coverage for a minimum liability of One Million Dollars ($1,000,000.00) covering Permittee's employees performing any work in connection with the use of the Property. Permittee shall insure the procurement and maintenance of such insurance by all contractors and subcontractors engaged by Permittee.

(b) Personal Injury and Property Damage Liability Insurance, including Automobile Bodily Injury and Property Damage coverage for owned, hired and non-owned vehicles, subject to a combined single limit of liability of not less than One Million Dollars ($1,000,000.00) bodily injury liability and property liability, combined single limits.

Prior to entering onto the Property, Permittee shall file a Certificate(s) of Insurance to the District evidencing coverage as described above, and upon request, a certified duplicate original of the policy. Said Certificate(s) shall stipulate:

(i) The insurance company(ies) issuing such policy(ies) shall give at least thirty (30) days' written notice to the District of any material alteration, reduction in limits, nonrenewal or cancellation of such policy(ies).

(ii) That the policy(ies) is Primary Insurance and the insurance company(ies) providing such policy(ies) shall be liable thereunder for the full amount of any loss or claim which Permittee is liable for under this Section, up to and including the total limit of liability, without right of contribution from any other insurance effected or which may be effected by the Insureds.

(iii) That the Insureds as additional insureds shall not in any way affect its rights either as respects to any claim, demand, suit or judgment made, brought or recovered

against the Permittee. Said policy(ies) shall protect Permittee and the Insureds in the same manner as though a separate policy had been issued to each, but nothing in said policy shall operate to increase the insurance company's liability as set forth in its policy beyond the amount or amounts shown or to which the insurance company would have been liable if only one interest had been named as an insured.

5. This Agreement shall terminate on January 1, 2016, unless extended by mutual written agreement. In addition, this Agreement may be terminated by either party by giving thirty (30) days' written notice to the other party. Additionally, the Agreement may be terminated immediately by the District if any term of this Agreement is breached and not promptly remedied by Permittee.

6. The permission herein given is specific to Permittee, and shall not be assigned by Permittee without the prior written consent of District.

7. If any legal proceeding should be instituted by either of the parties to enforce the terms of this Agreement or to determine the rights of the parties under this Agreement, the prevailing party in the proceeding shall receive, in addition to all court costs, reasonable attorneys' fees.

8. All notices required or permitted to be given under this Agreement shall be in writing and mailed postage prepaid by certified or registered mail, return receipt requested, or by personal delivery or by overnight courier, to the appropriate address indicated below or at such other place or places as either party may from time to time designate in a written notice given to the other. Notices shall be deemed sufficiently served four (4) days after the date of mailing by certified or registered mail, one (1) day after mailing by overnight courier or upon personal delivery.

To District: Coastside County Water District
766 Main Street
Half Moon Bay, CA 94019
Attn: General Manager

To Permittee: Linda Andreini and Eddie Andreini
151 Main Street
Half Moon Bay, CA 94019

9. This Agreement represents the full, complete and entire agreement between the parties with respect to the subject matter hereof, and supersedes any other prior or contemporaneous agreements, statements or representations, whether written or oral.

10. This Agreement shall be construed, interpreted and governed by and in accordance with the laws of the State of California.

IN WITNESS WHEREOF, the parties hereto have caused these present to be executed in duplicate the day and year first above written.

District:

COASTSIDE COUNTY WATER DISTRICT

By:_____
Name: David R. Dickson
Title: General Manager

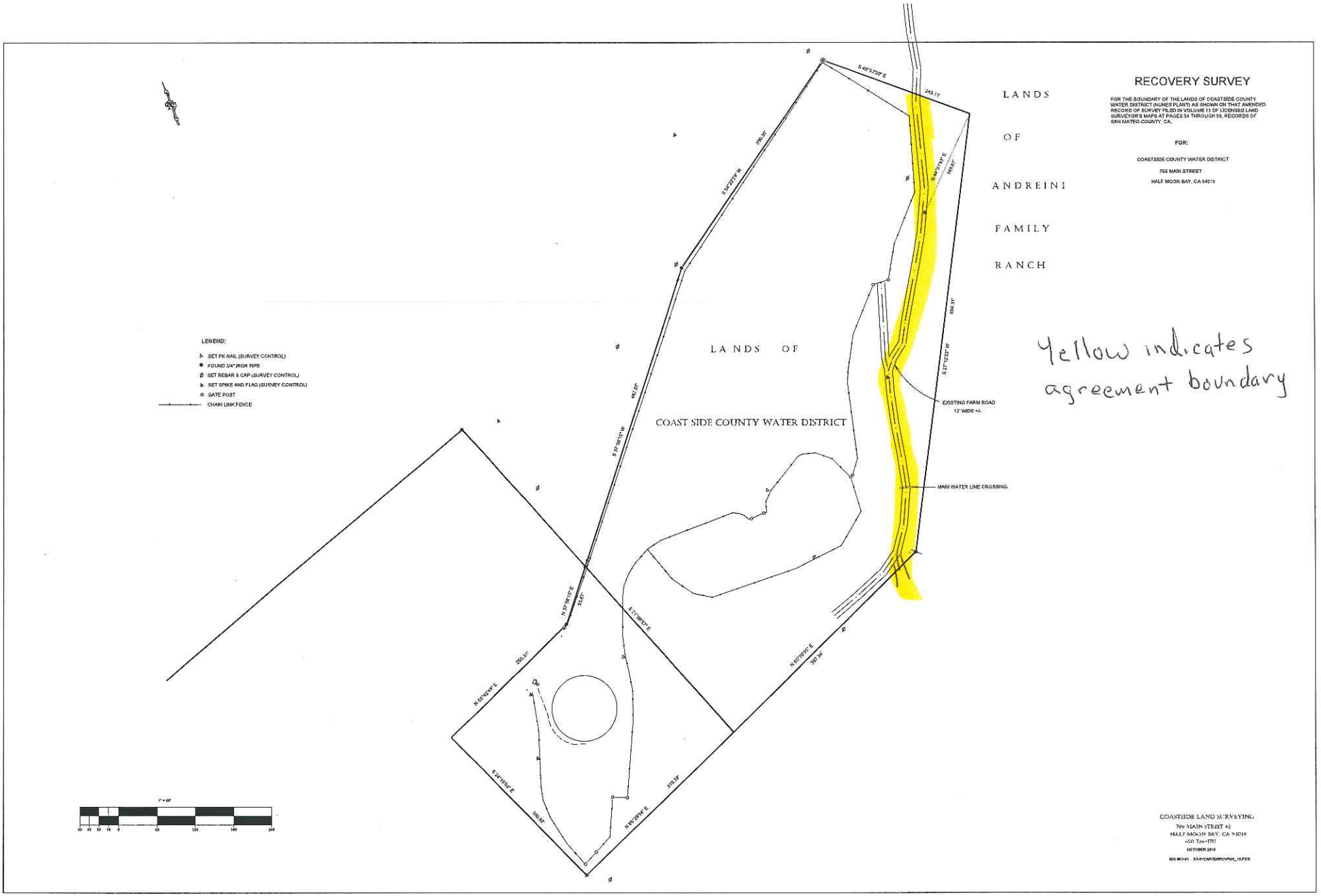
Permittee:

By:_____
Name: Linda Andreini

By:_____
Name: Eddie Andreini

EXHIBIT A

[DRAWING OF PROPERTY]


RECOVERY SURVEY
FOR THE BOUNDARY OF THE LANDS OF COASTSIDE COUNTY WATER DISTRICT (NUNES PLANT) AS SHOWN ON THAT AMENDED RECORD OF SURVEY FILED IN VOLUME 13 OF LICENSED LAND SURVEYOR'S MAPS AT PAGES 54 THROUGH 56, RECORDS OF SAN MATEO COUNTY, CA.
FOR:
COASTSIDE COUNTY WATER DISTRICT
765 MAIN STREET
HALF MOON BAY, CA 94019
LANDS OF ANDREINI FAMILY RANCH
LANDS OF
COAST SIDE COUNTY WATER DISTRICT
LEGEND:
SET PK NAIL (SURVEY CONTROL)
FOUND 3/4" IRON PIPE
SET REBAR & CAP (SURVEY CONTROL)
SET SPIKE AND FLAG (SURVEY CONTROL)
GATE POST
CHAIN LINK FENCE
EXISTING FARM ROAD
12' WIDE +/-
MAIN WATER LINE CROSSING
Yellow indicates agreement boundary
COASTSIDE LAND SURVEYING
765 MAIN STREET #2
HALF MOON BAY, CA 94019
650 726-1775
OCTOBER 2018

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **December 14, 2010**

Report Date: December 10, 2010

Subject: **Approval of Agreement With Balance Hydrologics for Gaging Denniston and San Vicente Creeks and Monitoring Wells**

Recommendation:
Authorize staff to execute an agreement with Balance Hydrologics, Inc. for stream gaging and well monitoring in accordance with the attached proposal, in an amount not to exceed $73,975.

Background:
Developing sound data to characterize surface flows in the Denniston Creek and San Vicente Creek watersheds and groundwater levels in the associated aquifer is a critical element of the District's efforts to perfect our local source water rights. In August 2010, the Board approved an agreement with Balance Hydrologics (Balance) for dry season monitoring of Denniston/San Vicente and for summarizing past data. The past data, while useful, is not sufficiently comprehensive to fully describe a water year. The attached proposal from Balance dated November 29, 2010 includes work designed to provide a complete picture of Water Year 2011 and to supply the data we will need to prepare environmental documents and meet requirements of the California Department of Fish and Game.

The proposed Balance scope includes the following principal elements:

1. Wet-season gaging of two stations on Denniston Creek utilizing equipment currently installed
2. Wet-season gaging of three stations on San Vicente Creek utilizing equipment currently installed
3. Interim water year 2011 reporting
4. Dry-season gaging of three stations on Denniston Creek
5. Dry-season gaging of three stations on San Vicente Creek
6. Basic sediment-transport measurements for San Vicente Creek (only)
7. Quarterly groundwater monitoring
8. Draft and final water year 2011 reporting

Balance will perform this work on a time-and-materials basis at an estimated not-to-exceed cost of $73,975.

Barry Hecht of Balance Hydrologics will be available at the Board Meeting to answer any questions regarding Balance's proposed work.

Fiscal Impact:

Cost of $73,975, budgeted in the Capital Improvement Program under Water Supply Development.

Balance Hydrologics, Inc.®

800 Bancroft Way • Suite 101 • Berkeley, CA 94710-2227 • (510) 704-1000
www.balancehydro.com • email: office@balancehydro.com
Berkeley • Auburn • Santa Cruz • San Rafael • Truckee

November 29, 2010

Mr. Joe Guistino
Coastside County Water District
766 Main Street
Half Moon Bay, CA 94019-1995

RE: Proposal to gage Denniston Creek, San Vicente Creek, and monitoring inactive wells, Water Year 2011.

Dear Mr. Guistino:

Balance Hydrologics (Balance) has recently completed baseflow gaging at six stations on Denniston and San Vicente Creeks and groundwater monitoring in three Coastside County Water District (CCWD) inactive monitoring wells. You have requested that we provide to you technical support for the EIR process for securing your water rights on San Vicente and Denniston Creeks. As part of this process we will need to complete a Water Availability Assessment (WAA) and compute the Cumulative Flow Impairment Index (CFII). The WAA requires measurement of the winter flows delivered to your points of diversion, and the CFII is calculated as the cumulative diverted volume divided by the estimated unimpaired runoff for each stream. These two aspects of the EIR process will require winter flow monitoring on each stream. We include in this proposal the scope and costs for continued monitoring during the wet-season of water year 2011 – October through May at 5 of the 6 dry-season streamflow monitoring locations. This scope is only intended to cover the monitoring of flows and not the calculations of the CFII/WAA or other EIR support.

The CFII/WAA calculus calls for daily flow information for the winter, such that flows during key periods (such as mean February flows or Dec. 15 through March 31) may be computed. These computations are required by the Division of Water Rights, and by the DFG and NOAA Fisheries; a copy of the guidelines is attached. In your case, daily flows will allow you to correlate to several nearby gages, such that we anticipate that you will need to measure flow for only one winter.

The EIR will also require analysis of the impacts of diversions on surface-groundwater interaction and what effect diversions have on local groundwater tables. We are proposing to monitor streamflow at the downstream most station on each stream and in three inactive CCWD monitoring wells in order to expand our understanding of local groundwater levels through the wet-season.

We expect you will want to continue monitoring flows through the next dry-season as well and have included that work in this scope. We have presented them as two seasons of a single water year to allow us to clarify why the wet-season monitoring is more time intensive than the dry-season monitoring. We also suspect that you may not need to continue monitoring winter flows beyond this year, but are likely to want us to keep monitoring summer flows (or will be required to do by the permitting agencies); hence, we wanted you know how the costs for winter vs summer flow measurement differ, so you can plan ahead.

To address the objectives of this work, we have scoped work in bundles as summarized in the following task list:

1. *Wet-season gaging of two stations on Denniston Creek utilizing equipment currently installed*
2. *Wet-season gaging of three stations on San Vicente Creek utilizing equipment currently installed*
3. *Interim water year 2011 reporting*
4. *Dry-season gaging of three stations on Denniston Creek*
5. *Dry-season gaging of three stations on San Vicente Creek*
6. *Basic sediment-transport measurements for San Vicente Creek (only)*
7. *Quarterly groundwater monitoring*
8. *Draft and final water year 2011 reporting*
9. *Consultation with biologist (Jim Steele)*
10. *Project administration*

The next several paragraphs elaborate on this work proposed. Please note that access to the upper station on Denniston Creek has been via Cabrillo Farms and requires permission from David Lea.

Work Scope

Task 1. Wet-season gaging of two stations on Denniston Creek utilizing equipment currently installed

The WAA requires measurements of streamflow at the point of diversion during the winter months. The measurements must conform with the requirements of the Division of Water Rights, as put forth below. For Denniston Creek we will monitor flow near the existing upstream-most station. The equipment currently installed at the upstream most station on Denniston Creek consists of a Solinst F15 Levelogger within a stilling well in the channel pool upstream of the CCWD flume.

We have been informed by you that the flume will not convey winter flows, periodically washing out, so therefore this location is less desirable. As an alternative we suggest moving this station to the downstream staff plate installed by CCWD, where you have been approximating flows with daily readings, and gaging flow at that location (or another suitable location if this is found to be not suitable.) Minimal budget has been dedicated to this task as we expect to complete the station move as part of our next routine field visit to this location.

The equipment installed on Denniston Creek below Capistrano Avenue is suitable for winter high-flow monitoring. Presently the preliminary station data is made available via our real-time system on the Balance Hydrologics website. This feature provides real-time information to both the CCWD staff and Balance staff as well. Having this information available remotely will improve the success of winter monitoring and save budget. We suggest continuing funding of the real-time aspect of this station. Measuring flow at this location provides information that will help us understand the interaction between surface and groundwater in the Denniston Creek watershed.

This task provides time for us to make 6 site visits, at roughly monthly intervals during winter. These visits allow us to calibrate the stations by performing a flow (discharge) measurement and a staff plate (gage height) reading. During monthly visits we will also download data from the levelogger and make channel observations and such maintenance as needed. During winter storms when flows are elevated we will make supplemental field visits to make measurements of flow and other observations (i.e. identify

high-water marks, qualitative observations of water quality, etc.) These visits are required to complete the stage-to-discharge rating curve through the highest flows observed. In the office, we will calculate the flow, enter the information into the station log, plot the data on a stage-to-discharge rating curve, add the downloaded data to station spreadsheet, and reduce the data to daily mean flow values.

Part of this task will be developing a formal flow rating curve for the staff plate at the culvert, which you and your staff have been reading daily for quite some years. The rating curve will provide you with a way of converting these estimates into a more usable form.

Deliverables:

1. Raw data that may be used to develop a record of daily mean flow and temperature for each of the stations.

2.Stage-discharge curve which allows your daily flow estimates from staff plate readings to be calibrated against our formal discharge measurements.

Task 2. Wet-season gaging of three stations on San Vicente Creek utilizing equipment currently installed

We will also need to gage flows at three locations on San Vicente Creek. We will utilize the existing equipment and do not foresee a need to move any of the stations. On San Vicente Creek, we will need to measure streamflow above the diversion to calculate the available flow, and below the diversion to estimate the total diversion through the wet-season. These measurements of streamflow are required for the WAA and for the CFII. We are also recommending continued streamflow measurement on San Vicente Creek at California Avenue to better understand the surface and groundwater interaction in San Vicente Creek watershed, one of the key questions that will be raised in the EIR.

This task provides time for us to make monthly site visits, October through April, to calibrate the stations by performing a flow (discharge) measurement and a staff plate (gage height) reading. During monthly visits we will also download data from the levelogger and make channel observations and any maintenance needed. During winter storms when flows are elevated we will make supplemental field visits to make measurements of flow and other observations (i.e. identify high water marks, qualitative observations of water quality, etc.). These visits are required to complete the stage-to-discharge rating curve through the highest flows observed. In the office, we will calculate the flow, enter the information into the station log, plot the data on a stage-to-discharge rating curve, add the downloaded data to station spreadsheet, and reduce the data to daily mean flow values.

Deliverable: Raw data that may be used to develop a record of daily mean flow and temperature for each of the stations.

Task 3. Interim water year 2011 reporting

At the end of the wet-weather monitoring period we will compile an interim report. The purpose of this interim report is to provide to you a preliminary workup of the winter 2011 flows, which will help

expedite the EIR should this document be underway. This interim report will consist of a preliminary observer log and figures showing the preliminary hydrograph for each station being monitored.

Deliverable: Preliminary hydrograph figures for each station (October through April period.)

Task 4. Dry-season gaging of three stations on Denniston Creek

This task provides time for us to make four site visits – May, June, August and October – to calibrate the station by performing a flow (discharge) measurement and a staff plate (gage height) reading. We will also download data from the levelogger and make channel observations and any maintenance needed. In the office, we will calculate the flow, enter the information into the station log, plot the data on a stage-to-discharge rating curve, add the downloaded data to station spreadsheet, and reduce the data to daily mean flow values.

Deliverable: Raw data that may be used to develop a record of daily mean flow and temperature for each of the stations.

Task 5. Dry-season gaging of three stations on San Vicente Creek

This task provides time for us to make four site visits – May, June, August and October – to calibrate the station by performing a flow (discharge) measurement and a staff plate (gage height) reading. We will also download data from the levelogger and make channel observations and any maintenance needed. In the office, we will calculate the flow, enter the information into the station log, plot the data on a stage-to-discharge rating curve, add the downloaded data to station spreadsheet, and reduce the data to daily mean flow values.

Deliverable: Raw data that may be used to develop a record of daily mean flow and temperature for each of the stations.

Task 6. Basic sediment transport measurements (San Vicente Creek only)

Although CCWD does not intend to substantially change the flow of San Vicente Creek, sediment will be one of the effects and one of major opportunities for enhancement that will be addressed in the EIR. Since San Vicente Creek discharges directly onto the intertidal flats at Fitzgerald Reserve, the amount and timing of sediment moved – including at low flows – may well prove important. Additionally, measures to reduce sediment loads in San Vicente Creek could be one of the more beneficial mitigation measures that CCWD might undertake. The measurements in Task 6 are low-cost means of addressing these and related agency questions.

We will collect 12 each of suspended and bedload sediment samples using the samplers and protocols of the Federal Interagency Sedimentation Program, much as Balance has done for Pilarcitos and other coastal streams. Sediment-rating curves, which graph sediment load as a function of instantaneous streamflow, will be developed to compute sediment loads and/or to compare with other nearby granitic channels for which an adequate record has been compiled. Data can also be used, such as in the EIR, (a)

to assess susceptibility to sedimentation, (b) how diversions may affect flows, and (c) to reductions in sediment may yield habitat benefits which may offset impacts to Denniston or other local channels.

Sufficient data are available for Denniston Creek as a result of work performed for the RCD. This tasks needs only to collect similar essential data for San Vicente Creek.

Deliverable: Basic data tabulation, sediment-rating curves and computation of sediment loads for Winter 2011.

Task 7. Groundwater monitoring

Each of the three monitoring wells is currently equipped with a levelogger that logs water level and temperature every hour. This task provides time for us to measure depth-to-water in the three monitoring wells and download data during three site visits in October, January and April. This is a reduced monitoring schedule intended to save time during several monthly maintenance visits during the shortened daylight hours in winter, and increased effort required to perform maintenance activities during winter baseflow periods. In the office, we will enter the information into the station log, add the downloaded data to the station spreadsheet, calibrate and plot the hourly data, and reduce the data to daily mean water level.

Deliverable: Raw data that may be used to develop a record of daily mean water level and temperature for each of three CCWD monitoring wells.

Task 8. Draft and final water year 2011 reporting

We will summarize and explain the basic hydrologic findings in a water year 2011 report. The written report will include a summary form for each station tabulating the daily mean data and identifying station descriptors and plots of the data and rating curves. Interpretation will occur within the EIR or other management document.

Deliverable: Report pdf and one bound hard copy.

Task 9. Consultation with biologist (Jim Steele)

This task simply provides a nominal amount of time for correspondence with Jim Steele.

Task 10. Project administration

This task simply provides time to help schedule and administer project in a way that best helps you and us regularly track schedule and budget.

Anticipated Costs

Our estimates of staff assignments and level of effort for each task are shown in Table 1. The estimated total costs are shown at the bottom of Table 2 and include instrumentation rental and unallocated costs, such as mileage, which will be expended doing work under multiple tasks. As is customary for field

related jobs, this total also includes a 10% contingency allowance which will only be used after consultation with you. The contingency allows for a smoother absorption of additional costs of things out of our control which inhibit the efficient completion of our work. Examples of situations that would qualify for use of the contingency allowance are repair and/or replacement of a streamgaging station damaged by high flows, time lost when staff mobilizes for a storm that doesn't materialize as forecast, and lost samples due to lab or shipping company errors. Equipment rental costs are estimated in Table 3 and the total included as a line item in Table 2.

We have tasked our work to assist you with you decision on which level of effort fits your needs and budget. After reviewing the costs, please let me know if they are in line with your expectations. Although we have made out best effort to provide an accurate estimate to you, our work is done on a time-and-expense basis, so costs could be somewhat higher or lower than these estimates.

Anticipated Schedule

We are prepared to conduct the proposed work immediately. The water year began on October 1, 2010 and we have done work as part of the dry-season monitoring which will be supportive of the wet-season monitoring (October maintenance visits.) Any work that was performed under the previous dry-season monitoring which is not covered under that scope and budget which is covered in this scope and budget will be charged to this scope and budget.

Proposed Project Staff

Mark Woyshner will be the principal in charge, and Barry Hecht will direct the sediment task and act as senior reviewer. Travis Baggett will serve as project manager. Field hydrologists Travis Baggett (Berkeley office) and Jason Parke (Santa Cruz office) have been servicing the streamgaging stations and wells and will continue to do so. Other staff will be called upon during winter storm flow monitoring and budget has been spread among billing categories to account for typical staff rates.

Registration:

Work will be conducted under active State of California registration, as required under the State's Business and Professional Code, and as applied by the Division of Water Rights.

Closing

We appreciate the efforts that you've made over the past weeks to locate the older data, and thank you for the opportunity to perform streamflow gaging through the next water year on these two creeks and look forward to supporting you through the upcoming EIR process.

Please let us know if you have questions or suggestions, or if your needs and schedule differ from our assumptions, above.

Sincerely,

BALANCE HYDROLOGICS, INC.

Travis Baggett, M.S.
Hydrologist/Meteorologist

Barry Hecht, CEG, CHg
Senior Principal

Table 1. Anticipated Staff Hours by Task

Proposal for WY2011 winter and summer stream gaging, Denniston and San Vicente Creeks

Task Number and Description	Sr. Principal	Principal	Senior Professional	Project Professional	Sr. Staff Professional	Staff Professional	Assistant Professional	Junior Professional	GIS/CADD Specialist	IT Programmer	Sr. Proj Admin	Sr. Report Specialist	Tech Typist	Labor Costs For Task
Hourly Rate	*$185*	*$170*	*$145*	*$135*	*$120*	*$110*	*$95*	*$80*	*$80*	*$80*	*$77*	*$74*	*$60*	
	BH	MW	JO	SB	MS	TB, SR	JP	TLD						
Task 1. Wet-season gaging of two stations on Denniston Creek utilizing equipment currently installed		10	8	2		64	20							$12,070
Task 2. Wet-season gaging of three stations on San Vicente Creek utilizing equipment currently installed		10	8			96	30							$16,270
Task 3. Interim water year 2011 reporting	1	1	2			20	12		2			2		$4,293
Task 4. Dry-season gaging of three stations on Denniston Creek		1	2	2		12	12							$3,190
Task 5. Dry-season gaging of three stations on San Vicente Creek		1	2			12	12							$2,920
Task 6. Basic sediment transport, San Vicente	8		2			12	4	8	1			1		$4,264
Task 7. Quarterly groundwater monitoring		2				2	2							$750
Task 8. Final water year 2011 reporting	2	8	4			40	40		2			2	2	$10,938
Task 9. Consultation with biologist (Jim Steele)	10	2				2								$2,410
Task 10. Project administration		2				6					8			$1,616
Subtotal Hours	21	37	28	4		266	132	8	5		8	5	2	
Total Hours	**516**													
Notes:												**TOTAL LABOR**		**$58,721**

Table 2. Estimated Costs

Proposal for WY2011 winter and summer stream gaging, Denniston and San Vicente Creeks

Professional Fees			**Rate**	**Hours**	**Allocation**
Sr. Principal			$185	21	$3,885.00
Principal			$170	37	$6,290.00
Senior Professional			$145	28	$4,060.00
Project Professional			$135	4	$540.00
Senior Staff Professional			$120	0	$0.00
Staff Professional			$110	266	$29,260.00
Assistant Professional			$95	132	$12,540.00
Junior Professional			$80	8	$640.00
GIS Senior Analyst			$100	0	$0.00
GIS/CADD Specialist			$80	5	$400.00
IT Programmer			$80	0	$0.00
Senior Project Administrator			$77	8	$616.00
Senior Report Specialist			$74	5	$370.00
Technical Typist			$60	2	$120.00
Hydrologic Technician			$60	0	$0.00
			Labor Subtotal (Table 1)		$58,721.00
Expenses					
Direct Expenses					
Mileage*	**1500**	miles @	$0.55		$825.00
Equipment Costs (see Table 3)					$6,412.00
Per Diems		@			$0.00
Reimbursable Costs					
Other Travel, Subsistence		trips @			$0.00
Express Mail, Deliveries	**Shipping for sediment samples**				$50.00
Maps and Aerial Photos					$50.00
Outside Copying, Blueprint					$0.00
Bedload analysis charges	**12 samples @ $30**				$360.00
Analytical Laboratory Fees	**12 samples @ $36**				$432.00
Materials and Supplies					$100.00
Permits, Licenses or Agency Inspection fees	***client responsibility***				$0.00
Other	***real-time webcast upgrade***				$300.00
				Expenses Subtotal	$8,529.00
				ESTIMATED TOTAL	**$67,250.00**
				Contingency (10%)	**$6,725.00**
Notes				**TOTAL w/ CONTINGENCY**	**$73,975.00**

* Slight premium for winter storm work which requires trucks, additional vehicle maintenance, and cleaning,

Table 3. Equipment Rental Costs

Proposal for WY2011 winter and summer stream gaging, Denniston and San Vicente Creeks

	Cost/ day	# of days	Cost/ month	# of	Cost/ season	# of	Cost/ year	# of years	Cost
Field Equipment									
Current meter and flow-measuring equipment	$45		$150		$300	1			**$300**
SCT or conductivity meter	$30		$75		$200	1			**$200**
Dissolved oxygen meter	$35		$100		$250				
Turbidity meter/probe	$35		$100		$250				
Digital camera	$15		$45		$100	1			**$100**
Field GPS unit	$15	1	$45		$100				**$15**
Electrical water-level indicator ("sounder")	$25	4	$75		$150				**$100**
Water-level recorders									
Datalogger with two transducers	$200		$800		$1,800		$2,200	1	**$2,200**
Additional transducers	$60		$200		$500		$700		
Specific conductance + temperature sensor option	$50		$150		$300		$400	1	**$400**
Solar power option	n/a		n/a		$150		$200	1	**$200**
Self-contained datalogger for well installation	$50		$200		$400		$500	8	**$4,000**
Samplers									
Hand-held suspended-sediment sampler (DH-48; DH59)	$45		$100		$250	1			**$250**
High-flow suspended-sediment sampler (D49, D74)	$120		$200		$400				
Hand-held bedload sampler (Helley-Smith)	$45		$100		$250	1			**$250**
High-flow bedload sampler (Helley-Smith)	$120		$200		$400				
Hand-auger soil-sampling array (mud and multiple barrels)	$30		$120						
Soft-sediment core sampler	$40		$150						
Water quality sampler (DH-81)	$35		$100		$250				
Field filtering equipment	$15		$50		$80				
Surveying equipment									
Level-transit or automatic level, tripod, rod	$60		$210						
Total station	$80		$280						
Miscellaneous									
Staff plates $64 ea									
Rain gage for use with water-level datalogger	$20		$50		$150		$200		
Self-contained datalogging rain gage	$30		$100		$250		$350		
Cutthroat portable flume	$35		$100		$200				
Other Equipment									

Base Rental Charges		**$8,015**
Discount for Repeat Agency Client	**20%**	**$1,603**
Total Rental Cost		**$6,412**

Notes:

Rates for other equipment or for other rental periods are available (see Balance form 305).
Discounts are sometimes given on projects with extensive instrumentation or for multi-year projects.

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **December 14, 2010**

Report Date: December 8, 2010

Subject: **Resolution Approving Tier 2 Drought Implementation Plan Pursuant to Section 3.11.C of the Water Supply Agreement with San Francisco**

Recommendation:
Approve the attached (Attachment A) Resolution Approving Tier 2 Drought Implementation Plan Pursuant to Section 3.11.C of the Water Supply Agreement with San Francisco.

Background:
In the event of a severe drought that reduces available water supply, the San Francisco Public Utilities Commission (SFPUC) can declare a drought emergency and impose a system-wide reduction in water deliveries to retail (San Francisco) and wholesale customers (BAWSCA). The Water Supply Agreement (WSA) between SFPUC and the wholesale customers specifies how reduced supplies will be allocated between San Francisco retail customers and the combined wholesale agencies ("Tier 1 Plan"). The WSA leaves it to the BAWSCA agencies to determine how the reduced supply will be allocated among wholesale customers ("Tier 2 Plan").

Working through BAWSCA, appointed representatives of the wholesale agencies have developed and agreed to recommend approval of the new Tier 2 Plan. To become effective, the Tier 2 Plan must be adopted by all BAWSCA agencies before June 30, 2011. Attachment B presents a memorandum from Art Jensen, BAWSCA CEO, explaining the Tier 2 Plan and its development in detail.

Staff recommends approval of the Tier 2 Plan.

Fiscal Impact:
None.

Attachment A

RESOLUTION NO. 2010-10

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
COASTSIDE COUNTY WATER DISTRICT
APPROVING TIER 2 DROUGHT IMPLEMENTATION PLAN
PURSUANT TO SECTION 3.11.C
OF THE WATER SUPPLY AGREEMENT WITH SAN FRANCISCO

THIS RESOLUTION IS ADOPTED in light of the following facts and circumstances:

1. The Coastside County Water District is one of 26 agencies in San Mateo, Santa Clara and Alameda Counties which purchase water from the City and County of San Francisco (San Francisco) pursuant to a Water Supply Agreement entered into in 2009 (Agreement). Collectively these 26 agencies are referred to in the Agreement as Wholesale Customers.

2. Section 3.11 of the Agreement addresses times when insufficient water is available in the San Francisco Regional Water System to meet the full demands of all users. Section 3.11.C provides that during periods of water shortage caused by drought, the San Francisco Public Utilities Commission (SFPUC) will allocate available water between its retail customers and the Wholesale Customers collectively, in accordance with a schedule contained in the Water Shortage Allocation Plan set forth in Attachment H to the Agreement (Tier 1 Plan).

3. Section 3.11.C authorizes the Wholesale Customers to adopt a Drought Allocation Plan, including a methodology for allocating the water which is collectively available to the 26 Wholesale Customers among each individual Wholesale Customer (Tier 2 Plan). It also commits the SFPUC to honor allocations of water unanimously agreed to by all Wholesale Customers or, if unanimous agreement cannot be achieved, water allocations that have been adopted by the Board of Directors of the Bay Area Water Supply and Conservation Agency (BAWSCA). The Agreement also provides that the SFPUC can allocate water supplies as necessary during a water shortage emergency if no agreed upon plan for water allocation has been adopted by the 26 Wholesale Customers or the BAWSCA Board of Directors.

4. Commencing in October 2009, representatives appointed by the managers of each of the Wholesale Customers have been meeting to develop a set of principles to serve as guidelines for an equitable allocation methodology, as well as formulas and procedures, to implement those principles. These discussions, and supporting technical analyses, have been conducted with the assistance of BAWSCA staff.

5. The Tier 2 Plan, attached to this resolution as Exhibit A, has been endorsed by all of the Wholesale Customer representatives who participated in the formulation process and they have committed to recommend that it be formally adopted by the governing body of their respective agencies.

6. The Tier 2 Plan allocates the collective Wholesale Customer share among each of the 26 wholesale customers through December 31, 2018 to coincide with San Francisco's deferral of decisions about additional water supply until at least 2018.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Coastside County Water District as follows:

1. The Tier 2 Drought Implementation Plan, a copy of which is attached hereto as Exhibit A, is approved.

2. This approval is conditioned upon all of the other 25 Wholesale Customers approving the Plan, such approvals being evidenced through adoption of similar resolutions or, in the case of private-sector organizations, by other equivalently binding written commitments signed by an executive officer acting within the scope of delegated authority, and all such approvals occurring on or before June 30, 2011.

If such resolutions or binding commitments are not adopted by that date, this resolution will automatically expire and be of no further effect after June 30, 2011, unless it has been extended prior thereto by further action of this *[Council, Board, etc.]*.

PASSED AND ADOPTED this _____ day of _____, 2010, by the following vote:

AYES:

NOES:

ABSENT:

COASTSIDE COUNTY WATER DISTRICT

_____
Robert Feldman, President of the Board of Directors

ATTEST:

_____
David R. Dickson, Secretary of the Board

Attachment B

BAWSCA
Bay Area Water Supply & Conservation Agency

TO: BAWSCA Appointed Water Management Representatives

FROM: Arthur R. Jensen, Chief Executive Officer/General Manager

DATE: November 5, 2010

SUBJECT: Tier 2 Drought Implementation Plan

Summary

The Tier 2 Drought Implementation Plan (Tier 2 Plan or DRIP), which was developed with your agency's participation, is now ready for adoption by your agency. This Plan, along with the Tier 1 Plan, which has already been adopted, establishes how the water available to the Wholesale Customers will be allocated among themselves. You agency must adopt the Tier 2 Plan by resolution. Accompanying this memorandum is a template resolution (Enclosure 1) for use by your agency in adopting the Tier 2 Plan.

The Tier 1 Plan, which allocates water from the San Francisco Regional Water System (RWS) among San Francisco retail and Wholesale Customers during system-wide shortages of 20% or less, was adopted by your agency and San Francisco as part of the 2009 Water Supply Agreement (WSA). The WSA authorizes the Wholesale Customers to adopt a methodology for allocating the water, which is collectively available to the 26 Wholesale Customers, among each individual Wholesale Customer. A copy of the Tier 1 Plan is attached to this memorandum as Enclosure 2.

The Tier 2 Plan, which documents the Tier 2 allocation methodology, is shown as Exhibit A and has been endorsed by all of the Wholesale Customer Appointed Water Management Representatives who participated in the formulation process for the past year. Agency staff of all the Wholesale Customers have committed to recommend that the Tier 2 Plan be formally adopted by the governing body of their respective agencies.

Action Required

In order to implement the Tier 2 Plan as recommended by the Appointed Water Management Representatives, the template resolution endorsing and adopting the Tier 2 Plan must be adopted by all 26 Wholesale Customers. In order to ensure the Tier 2 Plan is adopted by all agencies in time for inclusion into the 2010 Urban Water Management Plans, please adopt the Plan by March 31, 2011. However, the resolution is written to allow until June 30, 2011 for adoption by all Wholesale Customers. If all Wholesale Customers have not adopted the Tier 2 Plan by June 30th of next year, then all of the resolutions adopting the Tier 2 Plan will not take effect and will automatically expire.

Background

In July 2009, in connection with adoption of the WSA, the Wholesale Customers and San Francisco adopted a Water Shortage Allocation Plan to allocate water from the RWS to retail and Wholesale Customers during system-wide shortages of 20% or less (the Tier 1 Plan). The Tier 1 Plan replaced the prior Tier 1 Interim Water Shortage Allocation Plan, adopted in 2000 and expired in June 2009, which allocated water for shortages up to 20%. The provisions of the Tier 1 Plan allow wholesale customers to "bank" drought allocations and to voluntarily transfer them to each other and San Francisco. The Tier 1 plan also presents an updated schedule for actions preceding and during a drought.

Section 3.11.C of the WSA authorizes the Wholesale Customers to adopt a methodology for allocating the water which is collectively available to the 26 Wholesale Customers among each individual Wholesale Customer (the "Tier 2 Plan"). The Tier 2 Plan adopted in 2000 expired in June 2009. The WSA also commits the SFPUC to honor allocations of water unanimously agreed to by all Wholesale Customers or, if unanimous agreement cannot be achieved, water allocations that have been adopted by the Board of Directors of the Bay Area Water Supply and Conservation Agency ("BAWSCA"). The WSA also provides that the SFPUC can allocate water supplies as necessary during a water shortage emergency if no agreed upon plan for water allocation has been adopted by the 26 Wholesale Customers or the BAWSCA Board of Directors.

Commencing in October 2009, Appointed Water Management Representatives of each of the Wholesale Customers have been meeting to develop a set of principles to serve as guidelines for an equitable allocation methodology, as well as formulas and procedures, to implement those principles. These principles include:

- Providing certainty of drought allocations with consistent and pre-determined rules for calculation;
- Providing sufficient amounts of water for basic needs of customers;
- Creating an incentive for water conservation at all times and the development and management of alternative water supplies;
- Avoiding preventable, adverse economic impacts;
- Avoiding reallocation of water supply assets and investments among agencies without mutual consent and compensation; and
- Recognizing inherent differences in land use and climate.

The discussions, and supporting technical analyses, were conducted with the assistance of BAWSCA staff.

On August 25, 2010, the Appointed Water Management Representatives unanimously agreed to recommend adoption of the Tier 2 Plan to each of their respective governing bodies.

Term of Tier 2 Drought Implementation Plan

The Tier 2 Plan term is through December 31, 2018. The Tier 2 Plan allocates the collective Wholesale Customer share among each of the 26 wholesale customers through 2018 to coincide with San Francisco's deferral of decisions about additional supply until at least 2018. At the same time, the SFPUC imposed the Interim Supply Limitation which limits the volume of water that the RWS could deliver to San Francisco and the Wholesale Customers to 265 MGD until at least 2018.

The adoption and implementation of the Tier 1 and 2 Plans and San Francisco's unilateral imposition of the Interim Supply Limitation are independent and unrelated. The Tier 1 and Tier 2 Drought Allocation Plans apply only during times of water shortages caused by drought. San Francisco's Interim Supply Limitation applies in all years through at least 2018, regardless of water supply availability.

Effect of Tier 2 Drought Implementation Plan

The Tier 2 Plan will establish an allocation formula that will determine how the available water from the RWS will be allocated among the individual Wholesale Customers in system-wide shortages up to 20%.

In general, the allocation formula can be described as follows:

- 33.3% weight applied to individual agency's Individual Supply Guarantee (with slight variations for Hayward, San Jose, and Santa Clara)
- 66.6% weight applied to a Base/Seasonal calculation using 3 year average monthly production values for all supply sources
- 10% minimum cutback and maximum cutback equal to no more than the average cutback plus 20%
- Guaranteed sufficient supply of water to East Palo Alto to meet health and safety needs for its community

Supporting Documents and Enclosures

Enclosed are several supporting documents that may be useful for your agency in developing the staff report and/or presentation for your governing board on this subject. These enclosures include:

- Template Agency Resolution (Enclosure 1)
    - Exhibit A: Tier 2 Drought Allocation Plan and attachments (including an example calculation).
- Tier 1 Plan as adopted as part of 2009 Water Supply Agreement (Enclosure 2)

In addition, the spreadsheets used for calculating Tier 2 Allocations will be transmitted to you via e-mail.

Procedure & Schedule

The sample resolution (Enclosure 1) should be reprinted (modified if necessary to fit your agency's preferred format) and presented to your governing board in time for it to be enacted well in advance of the requested March 31, 2011 deadline. Once the resolution has been adopted by your agency, please send a copy of the signed resolution to:

Ms. Nicole M. Sandkulla
Water Resources Manager
Bay Area Water Supply and
Conservation Agency
155 Bovet Road, Suite 302
San Mateo, CA 94402

Once all agencies have adopted the resolutions, the Tier 2 Plan will take effect. If you or other members of your agency's staff have any questions about the enclosed resolution or supporting material, please call Ms. Sandkulla at (650) 349-3000. If your city attorney or district counsel has legal questions, they should feel free to call Ms. Allison Schutte at (415) 995-5823.

Respectfully submitted,

ARTHUR R. JENSEN, CEO/General Manager
Bay Area Water Supply and Conservation Agency

Enclosures

cc: BAWSCA Board of Directors

[NAME OF AGENCY]

RESOLUTION NO. _____

APPROVING TIER 2 DROUGHT IMPLEMENTATION PLAN
PURSUANT TO SECTION 3.11.C
OF THE WATER SUPPLY AGREEMENT WITH SAN FRANCISCO

THIS RESOLUTION IS ADOPTED in light of the following facts and circumstances:

1. The *[Name of Agency]* is one of 26 agencies in San Mateo, Santa Clara and Alameda Counties which purchase water from the City and County of San Francisco (San Francisco) pursuant to a Water Supply Agreement entered into in 2009 (Agreement). Collectively these 26 agencies are referred to in the Agreement as Wholesale Customers.

2. Section 3.11 of the Agreement addresses times when insufficient water is available in the San Francisco Regional Water System to meet the full demands of all users. Section 3.11.C provides that during periods of water shortage caused by drought, the San Francisco Public Utilities Commission (SFPUC) will allocate available water between its retail customers and the Wholesale Customers collectively, in accordance with a schedule contained in the Water Shortage Allocation Plan set forth in Attachment H to the Agreement (Tier 1 Plan).

3. Section 3.11.C authorizes the Wholesale Customers to adopt a Drought Allocation Plan, including a methodology for allocating the water which is collectively available to the 26 Wholesale Customers among each individual Wholesale Customer (Tier 2 Plan). It also commits the SFPUC to honor allocations of water unanimously agreed to by all Wholesale Customers or, if unanimous agreement cannot be achieved, water allocations that have been adopted by the Board of Directors of the Bay Area Water Supply and Conservation Agency (BAWSCA). The Agreement also provides that the SFPUC can allocate water supplies as necessary during a water shortage emergency if no agreed upon plan for water allocation has been adopted by the 26 Wholesale Customers or the BAWSCA Board of Directors.

4. Commencing in October 2009, representatives appointed by the managers of each of the Wholesale Customers have been meeting to develop a set of principles to serve as guidelines for an equitable allocation methodology, as well as formulas and procedures, to implement those principles. These discussions, and supporting technical analyses, have been conducted with the assistance of BAWSCA staff.

5. The Tier 2 Plan, attached to this resolution as Exhibit A, has been endorsed by all of the Wholesale Customer representatives who participated in the formulation process and they have committed to recommend that it be formally adopted by the governing body of their respective agencies.

6. The Tier 2 Plan allocates the collective Wholesale Customer share among each of the 26 wholesale customers through December 31, 2018 to coincide with San Francisco's deferral of decisions about additional water supply until at least 2018.

NOW, THEREFORE, BE IT RESOLVED by the *[Governing Board]* of *[Name of Agency]* as follows:

1. The Tier 2 Drought Implementation Plan, a copy of which is attached hereto as Exhibit A, is approved.

2. This approval is conditioned upon all of the other 25 Wholesale Customers approving the Plan, such approvals being evidenced through adoption of similar resolutions or, in the case of private-sector organizations, by other equivalently binding written commitments signed by an executive officer acting within the scope of delegated authority, and all such approvals occurring on or before June 30, 2011.

If such resolutions or binding commitments are not adopted by that date, this resolution will automatically expire and be of no further effect after June 30, 2011, unless it has been extended prior thereto by further action of this *[Council, Board, etc.]*.

PASSED AND ADOPTED this _____ day of _____, 201__, by the following vote:

AYES:

NOES:

ABSENT:

_____
President, City Council

Approved as to form:

_____
City Attorney

ATTEST:

_____
City Clerk

TABLE 1 - FIXED COMPONENT FOR USE IN TIER 2 ALLOCATION CALCULATION

Wholesale Customer	Fixed Component
ACWD	13.76
Brisbane/GVMID	0.98
Burlingame	5.23
Coastside	2.18
CWS Total	35.68
Daly City	4.29
East Palo Alto	1.96
Estero	5.90
Hayward	25.11
Hillsborough	4.09
Menlo Park	4.46
Mid Pen WD	3.89
Millbrae	3.15
Milpitas	9.23
Mountain View	13.46
North Coast	3.84
Palo Alto	17.07
Purissima Hills	1.62
Redwood City	10.93
San Bruno	3.25
San José	4.50
Santa Clara	4.50
Stanford	3.03
Sunnyvale	12.58
Westborough	1.32

TABLE 2 - BASE/SEASONAL CUTBACK CALCULATION FOR TIER 2 DROUGHT IMPLEMENTATION PLAN (DRIP) (Steps 1b-1f of DRIP Calculation)

BASE/SEASONAL CUTBACK CALCULATION
3 YEAR ROLLING AVERAGE OF TOTAL PRODUCTION
All Units In Hundred Cubic Feet (HCF) Except Where Otherwise Notes

Base Percentage Reduction =	10.00%
Seasonal Percentage Reduction =	65.00%
Number of Fiscal Years in Average =	1.0

Three-year averages by source

	July	August	September	October	November	December	January	February	March	April	May	June	Total
SFPUC Net	9,492,234	8,865,793	8,847,818	7,624,081	5,785,671	5,320,333	4,925,451	4,167,812	4,333,119	5,780,803	7,102,580	7,427,737	79,673,432
Groundwater	1,969,068	2,014,327	1,682,556	1,449,343	1,179,106	1,375,812	1,099,608	983,756	1,084,734	1,389,622	1,662,344	1,647,268	17,537,545
Other	2,744,449	2,669,344	2,537,606	2,418,221	1,644,468	874,833	1,391,142	1,320,782	1,606,115	2,004,769	2,517,062	2,675,045	24,403,836
Subtotal	14,205,751	13,549,464	13,067,981	11,491,646	8,609,245	7,570,977	7,416,201	6,472,350	7,023,968	9,175,195	11,281,986	11,750,050	121,614,813
SFPUC Excess	(36,886)	(33,367)	(35,125)	(28,015)	(18,394)	(11,600)	(10,843)	(11,088)	(8,721)	(16,898)	(25,409)	(27,984)	(264,330)
Net	14,168,865	13,516,097	13,032,856	11,463,631	8,590,851	7,559,378	7,405,358	6,461,262	7,015,246	9,158,297	11,256,577	11,722,066	121,350,483

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Three-year rolling monthly production average by Wholesale Customer with SFPUC purchases limited to ISG on a yearly basis																	**Base/Seasonal Cutback %**
	July	**August**	**September**	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**	**Total Production**	**Base Component**	**Seasonal Component**	**Base/Seasonal Allocation**	(To Tab 2, Col 4)
ACWD	2,598,324	2,521,779	2,356,517	2,088,213	1,483,726	1,389,921	1,331,023	1,102,420	1,303,110	1,683,608	2,074,964	2,226,985	22,160,590	15,379,420	6,781,170	16,214,887	26.83%
Brisbane/GVMID	35,597	36,251	34,821	31,630	25,808	17,907	20,064	11,403	17,339	16,961	25,289	28,775	301,845	200,139	101,706	215,722	28.53%
Burlingame	237,426	236,780	214,046	203,879	183,921	127,936	130,576	132,703	110,995	141,580	164,657	202,117	2,086,616	1,506,630	579,986	1,558,962	25.29%
Coastside	118,409	120,160	102,807	103,917	69,291	70,976	72,928	57,246	48,396	79,714	90,816	102,112	1,036,773	748,636	288,136	774,620	25.29%
CWS	2,139,140	2,093,378	1,954,875	1,694,788	1,100,278	996,843	1,007,651	846,173	1,026,988	1,408,292	1,697,865	1,805,399	17,771,671	11,632,966	6,138,705	12,618,216	29.00%
Daly City	324,019	340,112	305,711	309,038	318,039	278,252	269,650	234,447	294,435	260,687	261,671	250,006	3,446,067	3,230,352	215,715	2,982,817	13.44%
East Palo Alto	100,845	98,204	99,301	92,276	74,634	56,388	70,278	60,063	54,918	67,468	89,886	71,174	935,435	724,941	210,494	726,120	22.38%
Estero	304,604	294,448	299,906	248,800	231,729	136,155	133,622	145,923	92,203	162,122	208,383	252,034	2,509,929	1,523,709	986,220	1,716,515	31.61%
Hayward	983,955	851,762	917,490	828,612	740,510	843,184	700,858	519,840	611,449	572,724	849,545	836,615	9,256,544	8,025,993	1,230,551	7,654,087	17.31%
Hillsborough	250,428	239,293	339,873	187,852	149,425	70,505	57,857	68,263	46,840	77,287	127,533	179,470	1,794,626	730,395	1,064,231	1,029,836	42.62%
Menlo Park	205,878	197,865	195,391	171,845	118,504	78,597	80,370	82,369	70,962	108,772	169,161	151,171	1,630,885	936,894	693,991	1,086,101	33.40%
Mid Pen WD	174,821	168,580	176,218	154,115	126,396	83,564	95,477	90,390	83,076	124,092	124,306	141,794	1,542,829	1,057,521	485,308	1,121,627	27.30%
Millbrae	132,776	130,963	122,123	112,057	102,206	73,644	74,678	70,473	68,880	78,212	89,547	112,449	1,168,008	863,025	304,983	883,467	24.36%
Milpitas	560,066	511,819	499,068	456,297	339,619	346,470	345,211	313,013	348,809	390,135	458,282	487,604	5,056,393	4,060,509	995,884	4,003,018	20.83%
Mountain View	696,607	601,089	571,691	507,741	332,245	317,851	306,054	307,473	316,164	466,737	552,409	584,813	5,560,874	3,742,626	1,818,248	4,004,750	27.98%
North Coast	175,214	142,592	149,874	131,114	136,038	107,334	115,408	100,129	70,449	138,934	123,139	96,305	1,486,530	1,179,960	306,570	1,169,264	21.34%
Palo Alto	710,992	687,471	674,410	599,590	409,114	261,926	291,888	274,558	221,426	413,454	602,470	529,719	5,677,018	3,149,394	2,527,624	3,719,123	34.49%
Purissima Hills	116,098	102,177	112,087	86,968	57,418	30,674	27,294	31,514	18,976	46,701	77,214	85,712	792,832	325,373	467,459	456,447	42.43%
Redwood City	593,464	576,449	627,527	521,009	427,638	275,051	298,520	280,891	257,786	377,386	415,099	397,489	5,048,309	3,336,744	1,711,565	3,602,117	28.65%
San Bruno	177,048	195,589	172,534	162,980	128,108	140,430	140,637	109,929	143,808	160,884	162,280	183,615	1,877,842	1,604,412	273,430	1,539,671	18.01%
Stanford	127,534	102,493	119,688	94,886	78,913	65,097	99,295	69,251	59,292	81,719	90,169	118,440	1,106,776	878,805	227,971	870,714	21.33%
Sunnyvale	1,150,141	1,043,040	991,516	862,693	653,331	669,034	578,608	502,957	578,103	757,643	906,030	960,437	9,653,533	6,986,106	2,667,427	7,221,095	25.20%
Westborough	39,266	51,302	44,708	44,615	38,399	23,623	51,170	33,520	35,133	29,513	31,342	41,224	463,815	430,338	33,477	399,021	13.97%
	11,952,651	11,343,597	11,082,182	9,694,915	7,325,290	6,461,362	6,299,117	5,444,948	5,879,536	7,644,625	9,392,057	9,845,460	102,365,739	72,254,888	30,110,851	75,568,197	26.18%
San Jose	1,166,894	1,084,954	1,005,465	846,564	569,616	484,680	495,721	417,476	510,636	726,102	910,264	999,166	9,217,538	5,725,539	3,491,999	6,375,185	30.84%
Santa Clara	1,049,320	1,087,546	945,209	922,152	695,945	613,336	610,520	598,838	625,074	787,570	954,256	877,440	9,767,206	7,343,304	2,423,902	7,457,339	23.65%
	14,168,865	13,516,097	13,032,856	11,463,631	8,590,851	7,559,378	7,405,358	6,461,262	7,015,246	9,158,297	11,256,577	11,722,066	121,350,483	157,578,619	66,137,603	89,400,721	26.33%

Column Notes

(1) thru (12) Calculated as the net potable water supply production for all sources, three-year rolling average, by month, and by suburban purchaser, with ISG limits imposed on Annual SFPUC Purchases from Step 1a (Step 1b)

(13) Sum of columns (1) thru (12)

(14) Base Component: Calculated as the winter average usage (Cols 6 through 9 - December through March), multiplied by 12 (Step 1c)

(15) Seasonal Component: Calculated as the total production (Col 13) minus the base component (Col 14) (Step 1d)

(16) Base/Seasonal Allocations: Calculated as the Base Component minus the Base Reduction plus the Seasonal Component minus the Seasonal Reduction (Step 1e)

(17) Base/Seasonal Cutback: Calculated as the ratio of an agency's Base/Seasonal Allocation to its Total Production, minus 1, expressed as a percent (Step 1f)

TABLE 3 - CALCULATION OF FINAL PURCHASE CUTBACK AND ALLOCATION FACTOR FOR TIER 2 DROUGHT IMPLEMENTATION PLAN (DRIP)

Overall Average Wholesale Customer Reduction: 26.84%
Reduction from purchases in: FY 08-09

Base = 10.00%
Seasonal = 65.00%

Weighted average for Column 10:
0.33 =ISG component (Col. 2)
0.67 =Base/Seas component (Col. 9)

Variable component - Base/Seasonal Allocation (with ISG cap)
Minimum (Column 19) = 10.00%
Ceiling (Col. 21) = avg. cutback + 20.00%

Minimum residential per capita use threshold (Column 29) = 55.00 gpcpd

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
	Agency Information		Initial Allocations Based on Weighted Fixed (ISG) and Variable (Base/Seasonal) Components Adjusting for SJ/SC													Adjustment for Minimum and Maximum Cutbacks									Adjustment for East Palo Alto						
			Base/Seasonal Allocations				1st SJ/SC Adjustment		Weighted Allocation				2nd SJ/SC Adjustment			Minimum Cutback Adj.		Maximum Cutback Adjustment														
Wholesale Customers	FY 08-09 SFPUC Purchases	Fixed Comp.	Lesser of Purchase or ISG	Base/ Seasonal Allocation Cutback	Base/ Seasonal Allocation	Base/ Seasonal Purchase Cutback	Subtotal Allocation Factors	Adjusted Base/Seasonal Allocation	Weighted ISG-Base/ Seasonal Avg	Allocation Factors	Weighted Shortage Allocation	Weighted Purchase Cutback	Subtotal Allocation Factors	Adjusted Weighted Shortage Allocation	Adjusted Weighted Purchase Cutback	Adjusted for 10.00% Minimum Cutback	Add'l Cutback for Hardship Bank	Adjusted for 46.84% Maximum Cutback	Cutback Over Cap	Allocations Adjusted For Cap	Agencies To Which Cutback Over Cap Is Redistributed	Min/Max Adjusted Allocation	Adj. Min/Max Purchase Cutbacks	FY 08-09 Residential Per Capita	Agencies To Which EPA Adjustment Applies	Share of EPA Adjustment	Allocations With EPA Adjustments	Final Purchase Cutback		Final Allocation Factor
ACWD	11.24	13.76	11.24	-26.83%	8.22	-26.83%	7.19%	8.35	10.14	7.00%	8.37	-25.55%	7.26%	8.43	-24.99%	-24.99%		-24.99%		8.43	8.43	8.40	-25.29%	91.40	8.40	-0.019	8.376	-2.860	-25.45%	7.01%
Brisbane/GVMID	0.62	0.98	0.62	-28.53%	0.44	-28.53%	0.39%	0.45	0.62	0.43%	0.52	-16.72%	0.45%	0.52	-16.10%	-16.10%		-16.10%		0.52	0.52	0.52	-16.43%	62.89	0.52	-0.001	0.516	-0.103	-16.62%	0.43%
Burlingame	4.28	5.23	4.28	-25.29%	3.20	-25.29%	2.79%	3.25	3.90	2.70%	3.22	-24.70%	2.80%	3.24	-24.13%	-24.13%		-24.13%		3.24	3.24	3.23	-24.43%	89.50	3.23	-0.007	3.224	-1.052	-24.60%	2.70%
Coastside	1.97	2.18	1.97	-25.29%	1.47	-25.29%	1.28%	1.49	1.72	1.19%	1.42	-27.83%	1.23%	1.43	-27.29%	-27.29%		-27.29%		1.43	1.43	1.42	-27.58%	68.30	1.42	-0.003	1.421	-0.545	-27.74%	1.19%
CWS Total	35.84	35.68	35.68	-29.00%	25.33	-29.31%	22.15%	25.73	29.01	20.05%	23.95	-33.17%	20.79%	24.13	-32.67%	-32.67%		-32.67%		24.13	24.13	24.03	-32.94%	107.12	24.03	-0.054	23.977	-11.858	-33.09%	20.07%
Daly City	4.10	4.29	4.10	-13.44%	3.55	-13.44%	3.11%	3.61	3.83	2.65%	3.16	-22.90%	2.75%	3.19	-22.32%	-22.32%		-22.32%		3.19	3.19	3.18	-22.63%	50.00			3.176	-0.929	-22.63%	2.66%
East Palo Alto	1.92	1.96	1.92	-22.38%	1.49	-22.38%	1.30%	1.51	1.66	1.15%	1.37	-28.55%	1.19%	1.38	-28.02%	-28.02%		-28.02%		1.38	1.38	1.375	-28.30%	45.30		0.241	1.660	-0.257	-13.42%	1.39%
Estero	5.14	5.90	5.14	-31.61%	3.52	-31.61%	3.08%	3.57	4.34	3.00%	3.58	-30.34%	3.11%	3.61	-29.82%	-29.82%		-29.82%		3.61	3.61	3.60	-30.10%	85.40	3.60	-0.008	3.588	-1.556	-30.26%	3.00%
Hayward	18.97	25.11	18.97	-17.31%	15.69	-17.31%	13.72%	15.93	18.96	13.10%	15.65	-17.50%	13.59%	15.77	-16.88%	-16.88%		-16.88%		15.77	15.77	15.71	-17.21%	64.00	15.71	-0.035	15.670	-3.301	-17.40%	13.12%
Hillsborough	3.68	4.09	3.68	-42.62%	2.11	-42.62%	1.85%	2.14	2.79	1.93%	2.30	-37.47%	2.00%	2.32	-37.01%	-37.01%		-37.01%		2.32	2.32	2.31	-37.26%	289.50	2.31	-0.005	2.303	-1.375	-37.40%	1.93%
Menlo Park	3.34	4.46	3.34	-33.40%	2.23	-33.40%	1.95%	2.26	2.99	2.06%	2.47	-26.25%	2.14%	2.48	-25.69%	-25.69%		-25.69%		2.48	2.48	2.47	-25.99%	104.60	2.47	-0.006	2.468	-0.874	-26.16%	2.07%
Mid Pen WD	3.16	3.89	3.16	-27.30%	2.30	-27.30%	2.01%	2.33	2.85	1.97%	2.35	-25.64%	2.04%	2.37	-25.08%	-25.08%		-25.08%		2.37	2.37	2.36	-25.38%	83.90	2.36	-0.005	2.354	-0.808	-25.55%	1.97%
Millbrae	2.39	3.15	2.39	-24.36%	1.81	-24.36%	1.58%	1.84	2.27	1.57%	1.88	-21.65%	1.63%	1.89	-21.06%	-21.06%		-21.06%		1.89	1.89	1.88	-21.38%	75.70	1.88	-0.004	1.878	-0.516	-21.55%	1.57%
Milpitas	6.91	9.23	6.91	-20.83%	5.47	-20.83%	4.79%	5.56	6.77	4.68%	5.59	-19.16%	4.85%	5.63	-18.56%	-18.56%		-18.56%		5.63	5.63	5.61	-18.88%	65.10	5.61	-0.013	5.595	-1.318	-19.06%	4.68%
Mountain View	9.81	13.46	9.81	-27.98%	7.07	-27.98%	6.18%	7.18	9.25	6.39%	7.64	-22.19%	6.63%	7.69	-21.61%	-21.61%		-21.61%		7.69	7.69	7.66	-21.92%	78.80	7.66	-0.017	7.646	-2.169	-22.10%	6.40%
North Coast	3.05	3.84	3.05	-21.34%	2.40	-21.34%	2.10%	2.43	2.90	2.00%	2.39	-21.50%	2.08%	2.41	-20.91%	-20.91%		-20.91%		2.41	2.41	2.40	-21.23%	57.10	2.40	-0.005	2.395	-0.652	-21.40%	2.00%
Palo Alto	11.63	17.07	11.63	-34.49%	7.62	-34.49%	6.66%	7.74	10.82	7.48%	8.93	-23.23%	7.75%	9.00	-22.65%	-22.65%		-22.65%		9.00	9.00	8.96	-22.96%	107.00	8.96	-0.020	8.943	-2.691	-23.13%	7.49%
Purissima Hills	2.01	1.62	1.62	-42.43%	0.94	-53.47%	0.82%	0.95	1.17	0.81%	0.97	-51.85%	0.84%	0.98	-51.49%	-51.49%		-46.84%	-0.094	1.07		1.07	-46.84%	302.70			1.069	-0.942	-46.84%	0.89%
Redwood City	10.35	10.93	10.35	-28.65%	7.38	-28.65%	6.45%	7.50	8.63	5.96%	7.12	-31.15%	6.18%	7.18	-30.63%	-30.63%		-30.63%		7.18	7.18	7.15	-30.91%	85.40	7.15	-0.016	7.132	-3.214	-31.06%	5.97%
San Bruno	1.94	3.25	1.94	-18.01%	1.59	-18.01%	1.39%	1.62	2.15	1.49%	1.78	-8.42%	1.54%	1.79	-7.74%	-10.00%	-0.044	-10.00%		1.75		1.75	-10.00%	66.20			1.748	-0.194	-10.00%	1.46%
Stanford	2.27	3.03	2.27	-21.33%	1.78	-21.33%	1.56%	1.81	2.22	1.53%	1.83	-19.39%	1.59%	1.84	-18.79%	-18.79%		-18.79%		1.84	1.84	1.83	-19.11%	N/A	1.83	-0.004	1.831	-0.438	-19.29%	1.53%
Sunnyvale	10.62	12.58	10.62	-25.20%	7.94	-25.20%	6.95%	8.07	9.56	6.60%	7.89	-25.72%	6.85%	7.95	-25.16%	-25.16%		-25.16%		7.95	7.95	7.92	-25.46%	89.20	7.92	-0.018	7.898	-2.721	-25.62%	6.61%
Westborough	0.95	1.32	0.95	-13.97%	0.82	-13.97%	0.72%	0.83	0.99	0.69%	0.82	-13.86%	0.71%	0.82	-13.21%	-13.21%		-13.21%		0.82	0.82	0.82	-13.56%	48.50			0.822	-0.129	-13.56%	0.69%
Subtotal	156.19		156.19	-26.18%	114.37	-26.78%	100.00%	116.16	139.55		115.18	-26.26%	100.00%	116.05	-25.70%	-25.70%		-25.70%		116.09	113.28	115.65	-25.96%		107.46		115.689	-40.503	-25.93%	
San José	4.46	4.50	4.46	-30.84%	3.08	-30.84%		2.07	2.87	1.99%	2.37	-46.78%		2.15	-51.85%	-51.85%		-46.84%	-0.223	2.37		2.37	-46.84%	63.20			2.370	-2.088	-46.84%	1.98%
Santa Clara	2.64	4.50	2.64	-23.65%	2.01	-23.65%		1.23	2.31	1.59%	1.90	-27.78%		1.27	-51.85%	-51.85%		-46.84%	-0.132	1.40		1.40	-46.84%	85.80			1.401	-1.235	-46.84%	1.17%
Total	163.29		163.29	-26.33%	119.46	-26.84%		119.46	144.73	100.00%	119.46	-26.84%		119.46	-26.84%	-26.84%	-0.044	-26.84%	-0.449	119.87	113.28	119.42	-26.87%		107.46	0.000	119.461	-43.826	-26.84%	100.00%

First SJ/SC Adjustment

1.	Largest permanent customer cutback:	-53.47%
2a.	Adjusted SC allocation:	1.23 (Applying largest permanent customer cutback)
2b.	Santa Clara adjustment:	-0.79 (Difference between initial and adjusted alloc.)
3a.	Adjusted SJ allocation:	2.07 (Applying largest permanent customer cutback)
3b.	San José adjustment:	-1.01 (Difference between initial and adjusted alloc.)
4.	Total Adjustment:	-1.80 (2b + 3b)

Second SJ/SC Adjustment

1.	Largest permanent customer cutbac	-51.85%
2a.	Adjusted SC allocation:	1.27
2b.	Santa Clara adjustment:	-0.63
3a.	Adjusted SJ allocation:	2.15
3b.	San José adjustment:	-0.23
4.	Total Adjustment:	-0.86

All values in MGD unless noted otherwise

Column Notes

Agency Information

(1) SFPUC Purchases: From Tab 1.
(2) Fixed Component: Individual Supply Guarantees for most agencies from Tab 1; 4.5 mgd for SJ & SC; projected 2018 demand before conservation used as surrogate for Hayward

Base/Seasonal Allocations

(3) Lesser of Purchase or ISG: The lesser of column (1) or column (2).
(4) Base/Seasonal Allocation Cutback: From Tab 3, column (17).
(5) Base/Seasonal Allocation: column (3) reduced by the Base/Seasonal cutback in column (4).
(6) Base/Seasonal Purchase Cutback: The change between column (5) and column (1) shown as a percentage.

First San Jose/Santa Clara Adjustment: This adjustment is made so that Santa Clara's and San José's cutbacks are at least as great as the highest cutback by the permanent customers.

(7) Subtotal Allocation Factors: The ratio of each permanent agency's column (5) allocation to the column (5) subtotal.
(8) Adjusted Base/Seasonal Allocation: Redistributes "First SJ/SC Adjustment" line 4 value among the permanent customers based on the proportionate shares in column (8).

Allocations Based on Weighted ISG/Base Seasonal Average

(9) Weighted ISG/Base-Seasonal Avg: 33% of column (2) plus 67% of column (8).
(10) Allocation Factors: Each agency's proportionate share of column (9).
(11) Weighted Shortage Allocation: Column (9) times the available water supply (column (5) total).
(12) Weighted Purchase Cutback: The change between column (11) and column (1) shown as a percentage.

Second San Jose/Santa Clara Adjustment: This adjustment is made so that Santa Clara's and San José's cutbacks are at least as great as the highest cutback by the permanent customers.

(13) Subtotal Allocation Factors: The ratio of each permanent agency's column (11) allocation to the column (11) subtotal.
(14) Adjusted Weighted Shortage Allocation: Redistributes "Second SJ/SC Adjustment" line 4 value among the permanent customers based on the proportionate shares in column (13).

Column Notes

Adjustment for Minimum Cutback: This adjustment forces a 10% minimum cutback with the reallocated water being placed in a hardship bank for later application to East Palo Alto.

(16) Adjusted for 10% Minimum Cutback: Decreases any percentage cutback in column (15) that is less than the minimum 10% floor to equal the 10% floor.
(17) Additional Cutback for Hardship Bank: The difference between column (15) and column (16) times column (1).

Adjustment for Maximum Cutback: This adjustment is made so that the maximum cutback applied to any agency is equal to the Overall Average BAWSCA Reduction + 20%.

(18) Adjusted for Maximun Cutback: Caps the cutbacks in column (18) to no more than 20% more than the averaae cutback.
(19) Cutback Over Cap: The difference between column (18) and column (15) times column (1).
(20) Allocations Adjusted for Cap: Purchases in column (1) reduced by the cutbacks in column (18).
(21) Agencies to Which Cutback Over Cap is Redistributed: Agencies that are not subject to the minimum or maximum adjustments in columns (17) and (19).
(22) Minimum/Maximum Adjusted Allocation: Redistributes the excess cutback in column (19) by the proportions in column (21) to agencies shown in column (21).
(23) Adjusted Minm/Max Purchase Cutbacks: The change between column (22) and column (1) shown as a percentage.

Adjustment for East Palo Alto (Low Residential Gallons per Capita per Day Adjustment)

(24) Residential Per Capita Usage: From Tab 1.
(25) Agencies To Which EPA Adjustment Applies: Column (22) agency allocations, except those whose GPCD is less than 55 GPCD & those who are impacted by the min./max. cutback .
(26) Share of EPA Adjustment: EPA value equal to difference 50% of the Overall Average Wholesale Customer Reduction and the sum of column (17) total (Hardship Bank value) and EPA allocation in column (22). Indivdual agency proportionate shares of EPA's adjustment based on column (25).
(27) Allocation with EPA Adjustment: Column (22) plus column (26).

Final Allocations

(28) Final Purchase Cutback: Column (27) minus column (1) expressed as MGD
(29) Final Purchase Cutback: The change between column (31) and column (1) shown as a percentage.
(30) Final Allocation Factor: Each agency's allocation from Column (27) divided by the total water allocated to the wholesale agencies (total in Column (27)), shown as a percentage

ATTACHMENT H

WATER SHORTAGE ALLOCATION PLAN

This Interim Water Shortage Allocation Plan ("Plan") describes the method for allocating water between the San Francisco Public Utilities Commission ("SFPUC") and the Wholesale Customers collectively during shortages caused by drought. The Plan implements a method for allocating water among the individual Wholesale Customers which has been adopted by the Wholesale Customers. The Plan includes provisions for transfers, banking, and excess use charges. The Plan applies only when the SFPUC determines that a system-wide water shortage due to drought exists, and all references to "shortages" and "water shortages" are to be so understood. This Plan was adopted pursuant to Section 7.03(a) of the 1984 Settlement Agreement and Master Water Sales Contract and has been updated to correspond to the terminology used in the June 2009 Water Supply Agreement between the City and County of San Francisco and Wholesale Customers in Alameda County, San Mateo County and Santa Clara County ("Agreement").

SECTION 1. SHORTAGE CONDITIONS

1.1. Projected Available SFPUC Water Supply. The SFPUC shall make an annual determination as to whether or not a shortage condition exists. The determination of projected available water supply shall consider, among other things, stored water, projected runoff, water acquired by the SFPUC from non-SFPUC sources, inactive storage, reservoir losses, allowance for carryover storage, and water bank balances, if any, described in Section 3.

1.2 Projected SFPUC Purchases. The SFPUC will utilize purchase data, including volumes of water purchased by the Wholesale Customers and by Retail Customers (as those terms are used in the Agreement) in the year immediately prior to the drought, along with other available relevant information, as a basis for determining projected system-wide water purchases from the SFPUC for the upcoming year.

1.3. Shortage Conditions. The SFPUC will compare the available water supply (Section 1.1) with projected system-wide water purchases (Section 1.2). A shortage condition exists if the SFPUC determines that the projected available water supply is less than projected system-wide water purchases in the upcoming Supply Year (defined as the period from July 1 through June 30). When a shortage condition exists, SFPUC will determine whether voluntary or mandatory actions will be required to reduce purchases of SFPUC water to required levels.

1.3.1 Voluntary Response. If the SFPUC determines that voluntary actions will be sufficient to accomplish the necessary reduction in water use throughout its service area, the SFPUC and the Wholesale Customers will make good faith efforts to reduce their water purchases to stay within their annual shortage allocations and associated monthly water use budgets. The SFPUC will not impose excess use charges during periods of voluntary rationing, but may suspend the prospective accumulation of water bank credits, or impose a ceiling on further accumulation of bank credits, consistent with Section 3.2.1 of this Plan.

1.3.2 Mandatory Response. If the SFPUC determines that mandatory actions will be required to accomplish the necessary reduction in water use in the SFPUC service area, the SFPUC may implement excess use charges as set forth in Section 4 of this Plan.

1.4. Period of Shortage. A shortage period commences when the SFPUC determines that a water shortage exists, as set forth in a declaration of water shortage emergency issued by the SFPUC pursuant to California Water Code Sections 350 et seq. Termination of the water shortage emergency will be declared by resolution of the SFPUC.

SECTION 2. SHORTAGE ALLOCATIONS

2.1. Annual Allocations between the SFPUC and the Wholesale Customers. The annual water supply available during shortages will be allocated between the SFPUC and the collective Wholesale Customers as follows:

Level of System Wide Reduction in Water Use Required	Share of Available Water	
	SFPUC Share	Wholesale Customers Share
5% or less	35.5%	64.5%
6% through 10%	36.0%	64.0%
11% through 15%	37.0%	63.0%
16% through 20%	37.5%	62.5%

The water allocated to the SFPUC shall correspond to the total allocation for all Retail Customers.

2.2 Annual Allocations among the Wholesale Customers. The annual water supply allocated to the Wholesale Customers collectively during system wide shortages of 20 percent or less will be apportioned among them based on a methodology adopted by all of the Wholesale Customers, as described in Section 3.11(C) of the Agreement. In any year for which the methodology must be applied, the Bay Area Water Supply and Conservation Agency ("BAWSCA") will calculate each Wholesale Customer's individual percentage share of the amount of water allocated to the Wholesale Customers collectively pursuant to Section 2.1. Following the declaration or reconfirmation of a water shortage emergency by the SFPUC, BAWSCA will deliver to the SFPUC General Manager a list, signed by the President of BAWSCA's Board of Directors and its General Manager, showing each Wholesale Customer together with its percentage share and stating that the list has been prepared in accordance with the methodology adopted by the Wholesale Customers. The SFPUC shall allocate water to each Wholesale Customer, as specified in the list. The shortage allocations so established may be transferred as provided in Section 2.5 of this Plan. If BAWSCA or all Wholesale Customers do not provide the SFPUC with individual allocations, the SFPUC may make a final allocation decision after first meeting and discussing allocations with BAWSCA and the Wholesale Customers.

The methodology adopted by the Wholesale Customers utilizes the rolling average of each individual Wholesale Customer's purchases from the SFPUC during the three immediately

preceding Supply Years. The SFPUC agrees to provide BAWSCA by November 1 of each year a list showing the amount of water purchased by each Wholesale Customer during the immediately preceding Supply Year. The list will be prepared using Customer Service Bureau report MGT440 (or comparable official record in use at the time), adjusted as required for any reporting errors or omissions, and will be transmitted by the SFPUC General Manager or his designee.

2.3. Limited Applicability of Plan to System Wide Shortages Greater Than Twenty Percent. The allocations of water between the SFPUC and the Wholesale Customers collectively, provided for in Section 2.1, apply only to shortages of 20 percent or less. The SFPUC and Wholesale Customers recognize the possibility of a drought occurring which could create system-wide shortages greater than 20 percent despite actions taken by the SFPUC aimed at reducing the probability and severity of water shortages in the SFPUC service area. If the SFPUC determines that a system wide water shortage greater than 20 percent exists, the SFPUC and the Wholesale Customers agree to meet within 10 days and discuss whether a change is required to the allocation set forth in Section 2.1 in order to mitigate undue hardships that might otherwise be experienced by individual Wholesale Customers or Retail Customers. Following these discussions, the Tier 1 water allocations set forth in Section 2.1 of this Plan, or a modified version thereof, may be adopted by mutual written consent of the SFPUC and the Wholesale Customers. If the SFPUC and Wholesale Customers meet and cannot agree on an appropriate Tier 1 allocation within 30 days of the SFPUC's determination of water shortage greater than 20 percent, then (1) the provisions of Section 3.11(C) of the Agreement will apply, unless (2) all of the Wholesale Customers direct in writing that a Tier 2 allocation methodology agreed to by them be used to apportion the water to be made available to the Wholesale Customers collectively, in lieu of the provisions of Section 3.11(C).

The provisions of this Plan relating to transfers (in Section 2.5), banking (in Section 3), and excess use charges (in Section 4) shall continue to apply during system-wide shortages greater than 20 percent.

2.4. Monthly Water Budgets. Within 10 days after adopting a declaration of water shortage emergency, the SFPUC will determine the amount of Tier 1 water allocated to the Wholesale Customers collectively pursuant to Section 2.1. The SFPUC General Manager, using the Tier 2 allocation percentages shown on the list delivered by BAWSCA pursuant to Section 2.2, will calculate each Wholesale Customer's individual annual allocation. The SFPUC General Manager, or his designee, will then provide each Wholesale Customer with a proposed schedule of monthly water budgets based on the pattern of monthly water purchases during the Supply Year immediately preceding the declaration of shortage (the "Default Schedule"). Each Wholesale Customer may, within two weeks of receiving its Default Schedule, provide the SFPUC with an alternative monthly water budget that reschedules its annual Tier 2 shortage allocation over the course of the succeeding Supply Year. If a Wholesale Customer does not deliver an alternative monthly water budget to the SFPUC within two weeks of its receipt of the Default Schedule, then its monthly budget for the ensuing Supply Year shall be the Default Schedule proposed by the SFPUC.

Monthly Wholesale Customer water budgets will be derived from annual Tier 2 allocations for purposes of accounting for excess use. Monthly Wholesale Customer water budgets shall be adjusted during the year to account for transfers of shortage allocation under Section 2.5 and

transfers of banked water under Section 3.4.

2.5. Transfers of Shortage Allocations. Voluntary transfers of shortage allocations between the SFPUC and any Wholesale Customers, and between any Wholesale Customers, will be permitted using the same procedure as that for transfers of banked water set forth in Section 3.4. The SFPUC and BAWSCA shall be notified of each transfer. Transfers of shortage allocations shall be deemed to be an emergency transfer and shall become effective on the third business day after notice of the transfer has been delivered to the SFPUC. Transfers of shortage allocations shall be in compliance with Section 3.05 of the Agreement. The transferring parties will meet with the SFPUC, if requested, to discuss any effect the transfer may have on its operations.

SECTION 3. SHORTAGE WATER BANKING

3.1. Water Bank Accounts. The SFPUC shall create a water bank account for itself and each Wholesale Customer during shortages in conjunction with its resale customer billing process. Bank accounts will account for amounts of water that are either saved or used in excess of the shortage allocation for each agency; the accounts are not used for tracking billings and payments. When a shortage period is in effect (as defined in Section 1.4), the following provisions for bank credits, debits, and transfers shall be in force. A statement of bank balance for each Wholesale Customer will be included with the SFPUC's monthly water bills.

3.2. Bank Account Credits. Each month, monthly purchases will be compared to the monthly budget for that month. Any unused shortage allocation by an agency will be credited to that agency's water bank account. Credits will accumulate during the entire shortage period, subject to potential restrictions imposed pursuant to Section 3.2.1. Credits remaining at the end of the shortage period will be zeroed out; no financial or other credit shall be granted for banked water.

3.2.1. Maximum Balances. The SFPUC may suspend the prospective accumulation of credits in all accounts. Alternatively, the SFPUC may impose a ceiling on further accumulation of credits in water bank balances based on a uniform ratio of the bank balance to the annual water allocation. In making a decision to suspend the prospective accumulation of water bank credits, the SFPUC shall consider the available water supply as set forth in Section 1.1 of this Plan and other reasonable, relevant factors.

3.3. Account Debits. Each month, monthly purchases will be compared to the budget for that month. Purchases in excess of monthly budgets will be debited against an agency's water bank account. Bank debits remaining at the end of the fiscal year will be subject to excess use charges (see Section 4).

3.4. Transfers of Banked Water. In addition to the transfers of shortage allocations provided for in Section 2.5, voluntary transfers of banked water will also be permitted between the SFPUC and any Wholesale Customer, and among the Wholesale Customers. The volume of transferred water will be credited to the transferee's water bank account and debited against the transferor's water bank account. The transferring parties must notify the SFPUC and BAWSCA of each transfer in writing (so that adjustments can be made to bank accounts), and will meet with the SFPUC, if requested, to discuss any affect the transfer may have on SFPUC operations. Transfers of banked water shall be deemed to be an emergency transfer and shall become effective on the third business day after notice of the transfer has been delivered to the SFPUC.

If the SFPUC incurs extraordinary costs in implementing transfers, it will give written notice to the transferring parties within ten (10) business days after receipt of notice of the transfer. Extraordinary costs means additional costs directly attributable to accommodating transfers and which are not incurred in non-drought years nor simply as a result of the shortage condition itself. Extraordinary costs shall be calculated in accordance with the procedures in the Agreement and shall be subject to the disclosure and auditing requirements in the Agreement. In the case of transfers between Wholesale Customers, such extraordinary costs shall be considered to be expenses chargeable solely to individual Wholesale Customers and shall be borne equally by the parties to the transfer. In the case of transfers between the SFPUC and a Wholesale Customer, the SFPUC's share of any extraordinary transfer costs shall not be added to the Wholesale Revenue Requirement.

3.4.1. Transfer Limitations. The agency transferring banked water will be allowed to transfer no more than the accumulated balance in its bank. Transfers of estimated prospective banked credits and the "overdrafting" of accounts shall not be permitted. The price of transfer water originally derived from the SFPUC system is to be determined by the transferring parties and is not specified herein. Transfers of banked water shall be in compliance with Section 3.05 of the Agreement.

SECTION 4. WHOLESALE EXCESS USE CHARGES

4.1. Amount of Excess Use Charges. Monthly excess use charges shall be determined by the SFPUC at the time of the declared water shortage consistent with the calendar in Section 6 and in accordance with Section 6.03 of the Agreement. The excess use charges will be in the form of multipliers applied to the rate in effect at the time the excess use occurs. The same excess use charge multipliers shall apply to the Wholesale Customers and all Retail Customers. The excess use charge multipliers apply only to the charges for water delivered at the rate in effect at the time the excess use occurred.

4.2 Monitoring Suburban Water Use. During periods of voluntary rationing, water usage greater than a customer's allocation (as determined in Section 2) will be indicated on each SFPUC monthly water bill. During periods of mandatory rationing, monthly and cumulative water usage greater than a Wholesale Customer's shortage allocation and the associated excess use charges will be indicated on each SFPUC monthly water bill.

4.3. Suburban Excess Use Charge Payments. An annual reconciliation will be made of monthly excess use charges according to the calendar in Section 6. Annual excess use charges will be calculated by comparing total annual purchases for each Wholesale Customer with its annual shortage allocation (as adjusted for transfers of shortage allocations and banked water, if any). Excess use charge payments by those Wholesale Customers with net excess use will be paid according to the calendar in Section 6. The SFPUC may dedicate excess use charges paid by Wholesale Customers toward the purchase of water from the State Drought Water Bank or other willing sellers in order to provide additional water to the Wholesale Customers. Excess use charges paid by the Wholesale Customers constitute Wholesale Customer revenue and shall be included within the SFPUC's annual Wholesale Revenue Requirement calculation.

SECTION 5. GENERAL PROVISIONS GOVERNING WATER SHORTAGE ALLOCATION PLAN

5.1. Construction of Terms. This Plan is for the sole benefit of the parties and shall not be construed as granting rights to any person other than the parties or imposing obligations on a party to any person other than another party.

5.2. Governing Law. This Plan is made under and shall be governed by the laws of the State of California.

5.3. Effect on Agreement. This Plan describes the method for allocating water between the SFPUC and the collective Wholesale Customers during system-wide water shortages of 20 percent or less. This Plan also provides for the SFPUC to allocate water among the Wholesale Customers in accordance with directions provided by the Wholesale Customers through BAWSCA under Section 2.2, and to implement a program by which such allocations may be voluntarily transferred among the Wholesale Customers. The provisions of this Plan are intended to implement Section 3.11(C) of the Agreement and do not affect, change or modify any other section, term or condition of the Agreement.

5.4. Inapplicability of Plan to Allocation of SFPUC System Water During Non-Shortage Periods. The SFPUC's agreement in this Plan to a respective share of SFPUC system water during years of shortage shall not be construed to provide a basis for the allocation of water between the SFPUC and the Wholesale Customers when no water shortage emergency exists.

5.5. Termination. This Plan shall expire at the end of the Term of the Agreement.. The SFPUC and the Wholesale Customers can mutually agree to revise or terminate this Plan prior to that date due to changes in the water delivery capability of the SFPUC system, the acquisition of new water supplies, and other factors affecting the availability of water from the SFPUC system during times of shortage.

SECTION 6. ALLOCATION CALENDAR

6.1. Annual Schedule. The annual schedule for the shortage allocation process is shown below. This schedule may be changed by the SFPUC to facilitate implementation.

6.1.1

In All Years	Target Dates
1. SFPUC delivers list of annual purchases by each Wholesale Customer during the immediately preceding Supply Year	November 1
2. SFPUC meets with the Wholesale Customers and presents water supply forecast for the following Supply Year	February
3. SFPUC issues initial estimate of available water supply	February 1
4. SFPUC announces potential first year of drought (if applicable)	February 1
5. SFPUC and Wholesale Customers meet upon request to exchange information concerning water availability and projected system-wide purchases	February 1-May 31
6. SFPUC issues revised estimate of available water supply, and confirms continued potential shortage conditions, if applicable	March 1
7. SFPUC issues final estimate of available water supply	April 15th or sooner if adequate snow course measurement data is available to form a robust estimate on available water supply for the coming year.
8. SFPUC determines amount of water available to Wholesale Customers collectively	April 15th or sooner if adequate snow course measurement data is available to form a robust estimate on available water supply for the coming year.

In Drought Years	Target Dates
9. SFPUC formally declares the existence of water shortage emergency (or end of water shortage emergency, if applicable) under Water Code Sections 350 et. seq.	April 15-31
10. SFPUC declares the need for a voluntary or mandatory response	April 15-31
11. BAWSCA submits calculation to SFPUC of individual Wholesale Customers' percentage shares of water allocated to Wholesale Customers collectively	April 15- 31
12. SFPUC determines individual shortage allocations, based on BAWSCA's submittal of individual agency percentage shares to SFPUC, and monthly water budgets (Default Schedule)	April 25—May 10
13. Wholesale Customers submit alternative monthly water budgets (optional)	May 8-May 24
14. Final drought shortage allocations are issued for the Supply Year beginning July 1 through June 30	June 1
15. Monthly water budgets become effective	July 1
16. Excess use charges indicated on monthly Suburban bills	August 1 (of the beginning year) through June 30 (of the succeeding year)
17. Excess use charges paid by Wholesale Customers for prior year	August of the succeeding year

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **December 14, 2010**

Report Date: December 10, 2010

Subject: **Approval of Funding for Pilarcitos Stream Gage and Resource Conservation District Management Services**

Recommendation:
Authorize staff to enter an agreement for funding of 1) the Pilarcitos Creek stream gage and 2) continued administration of stream gage funding and monitoring of the Pilarcitos Creek Integrated Watershed Management Plan (IWMP) by the San Mateo County Resource Conservation District (RCD), at a cost of $25,175.

Background:
Maintaining a continuous record of streamflow data for Pilarcitos Creek is important for everyone with interests in the Pilarcitos watershed. It is particularly important for San Francisco and the District as public agencies diverting water from Pilarcitos Creek. With increasing attention paid by the National Marine Fisheries Service and California Department of Fish and Game to listed species in Pilarcitos, we will need the data to document the impact (or lack of impact) of our activities on stream flows.

Earlier this year, the US Geological Survey (USGS) announced that it would no longer be able to fund operation of the stream gaging station on lower Pilarcitos Creek, near Highway 1. The San Mateo RCD, in keeping with its role as convenor of the Pilarcitos Creek IWMP Workgroup, has coordinated the participation of San Francisco, CCWD, Sewer Authority Mid-Coastside, and the USGS in providing continued funding for the gaging station. The participants would provide the following contributions over the next three water years to operate the gage and to pay for RCD's role in administering gage funding and monitoring continuing Pilarcitos IWMP implementation:

Funding for Pilarcitos Creek IWMP and Lower Pilarcitos Creek Gage WY 10-11 to WY 12-13 (3 yrs)					
	SFPUC	**CCWD**	**SAM**	**USGS**	**Total**
Gage Subtotal	$17,675.00	$17,675.00	$7,000.00	$28,250.00	$70,600.00
IRWMP Subtotal	$7,500.00	$7,500.00	$7,500.00	$0.00	$22,500.00
TOTAL	**$25,175.00**	**$25,175.00**	**$14,500.00**	**$28,250.00**	**$93,100.00**

CCWD participation with SFPUC and SAM continues our role as a key participant in the Pilarcitos IWMP effort and helps protect our future water supply interests in this vital watershed.

Fiscal Impact:
Cost of $25,127, not budgeted in this fiscal year.

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **December 14, 2010**

Report Date: December 9, 2010

Subject: **Approval of Letter Agreement with Ailanto Properties, Inc. for Conveyance of Non-Priority Water Service Connections**

Recommendation:
Approve the attached letter agreement with Ailanto Properties, Inc. for conveyance of 12 non-priority water service connections to the District.

Background:
At its November 9, 2010 meeting, the Board of Directors authorized the execution of a contract with Andreini Brothers for replacement of the plastic water service laterals on Terrace Avenue. The cost for the replacement project, which will address residents' concerns over potential damage to the laterals by Ailanto Properties' Pacific Ridge construction activities, will be offset by the value of non-priority water service connections conveyed to the District by Ailanto Properties.

Staff recommends approval of the attached letter agreement establishing the terms and conditions under which Ailanto will convey 12 non-priority connections to the District.

Fiscal Impact:
No immediate fiscal impact. The connections received, if sold at the current Transmission and Storage Fee, would yield $163,104.

Albert Fong
Ailanto Properties Inc.
1901 Harrison Street, Suite 1430
Oakland, CA 94612

Re: Conveyance of 12 Non-Priority Water Service Connections

Dear Mr. Fong.

This letter agreement ("Agreement") establishes the terms and conditions pursuant to which Ailanto Properties, Inc ("Ailanto") will convey twelve non-priority water service connections to the Coastside County Water District ("District").

1. Ailanto will convey twelve (12) five-eighth inch (5/8-inch) non-priority water service connections to the District within thirty (30) days from the date this Agreement is executed by both parties.

2. Ailanto will convey the 12 non-priority water service connections by executing the transfer letter that is attached to this Agreement.

3. District will not pay any monetary compensation for the 12 non-priority water service connections.

4. Except for damage caused by the negligence of Ailanto, its employees, contractors and representatives, District will repair or replace any of the 51 service laterals on Terrace Avenue that might be damaged during construction activity by Ailanto, its employees, contractors and representatives. District will release Ailanto (including any successors in interest) from responsibility for the repair and replacement of these 51 service laterals, and District will defend Ailanto against any claims by third parties relating to the repair or replacement of, or District's failure to repair or replace, any service lateral that District is responsible for repairing or replacing under this Agreement. These obligations of the District will commence on the date that Ailanto conveys the 12 non-priority water service connections to the District and will terminate automatically 12 years after the date that Ailanto conveys the water service connections to the District. The District's liability under this Paragraph 4 of the Agreement is limited to $163,104, which is the District's current transmission and storage fee for the 12 non-priority water service connections (12 x $13,592) to be conveyed to the District. For purposes of this Agreement, a service lateral means the District-owned pipeline from the District's distribution main to the meter box and meter.

If Ailanto agrees to the terms and conditions of this Agreement, please sign this letter and the enclosed copy of this letter and return both documents to me. I will arrange for the Agreement to be signed by the Board President and I will send a fully executed original to you.

Sincerely,

David Dickson
General Manager

AGREED:

Ailanto Properties, Inc.	Coastside County Water District
By:_____	By:_____ Robert Feldman President, Board of Directors
Name:_____	
Title:_____	
By:_____	Attest:_____
Name:_____	
Title:_____	

STAFF REPORT

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

From: **Joe Guistino, Superintendent of Operations**
via David Dickson, General Manager

Agenda: **December 14, 2010**

Report Date: December 10, 2010

Subject: **Approval of Denniston Flash Mixer Purchase**

Recommendation:
Authorize staff to procure a new flash mixer for Denniston Water Treatment Plant (WTP) for and estimated cost of $26,000.

Background:
The Denniston WTP flash mixer is an integral part of the water treatment process at this facility. It thoroughly mixes coagulant with the raw water to facilitate the removal of turbidity. The portion of the intake piping that was damaged in a November pipe failure included this device. Although it is still functional, and can be used once the intake piping is repaired, it is scheduled to be replaced as part of the Denniston Short Term Improvement (STI) Project. The current mixer has been leaking through its propeller shaft for 10 years and is a consistent note from the Department of Public Health (DPH) in their annual inspections. It would therefore be advantageous to replace the mixer now.

This item has been specified by District Engineer Teter and must be sole sourced in order to properly fit the constraints of the present intake piping configuration. The attached quote prices the mixer at $23,140, not including tax and shipping. District staff will install the mixer.

Fiscal Impact:
Cost for this item would be derived from and is included in the Denniston STI budget, which has already been approved.

Division of McNish Corporation

Dedicated to the
Water and
Wastewater Industry

Walker Process Equipment
840 North Russell Avenue
Aurora, Illinois 60506-2853
E-Mail: walker.process@walker-process.com
Website: www.walker-process.com
Phone: 630-892-7921
Fax: 630-892-7951

December 7, 2010

TO COASTAL COUNTY WATER DISTRICT:

SUBJECT: **Dennison Creek, Half Moon Bay, CA**
PROPOSAL NO.: **LGS 120710**

Gentlemen:

In response to your request for the referenced project, we are pleased to submit this proposal as our offer to sell and furnish the following equipment:

Replacement InstoMix

This proposal is divided into the following sections that together form our complete proposal:

If we can furnish any clarifications or additional information, please contact our Representative, Scott Hathaway of P & H Representatives, Inc., Dixon, CA at (707) 693-1842. We look forward to the opportunity of working with you in the execution of this project.

Sincerely,
WALKER PROCESS EQUIPMENT
Division of McNish Corporation

Lane G. Sheldon
Regional Sales Manager

PRICING SUMMARY

Listed below is a summary of prices for equipment as noted within this proposal. The prices are for equipment as described herein, F.O.B. shipping point with freight prepaid via truck, exclusive of any taxes. Prices quoted herein are based upon the estimated schedules shown, and receipt of approved submittal drawings in our factory within six (6) weeks from the date of our transmittal letter.

NOTE: Please refer to the following pages for clarifications to our scope of supply.

One (1) Replacement InstoMix for the price of $23,140

NOTE: Unit is essentially a duplicate of the existing unit except that the mixer is now a direct drive (Not V-Belt) operating at 1,750 RPM, and 4 ½" dia impellers to provide a G value equal to the original.

EXISTING STRUCTURE NOTE: The Contractor shall be solely responsible for measuring and providing Walker Process Equipment, a division of McNish Corporation ("WPE") with accurate as built dimensions for all existing structures where WPE is furnishing equipment. This information must be made available to WPE in a timely manner to avoid delaying the equipment delivery schedules outlined within this proposal. In the event that dimensions are not provided or the provided dimensions are in error, which results in modifications to either the equipment or the adjacent structures, the Contractor shall be solely responsible for all labor, materials and associated costs to correct the resulting situation.

TIME OF ACCEPTANCE: This offer to sell is subject to receipt of your purchase order on or before January 7, 2011.

The number of this proposal must be referenced in the Purchaser's purchase order. The prices quoted in this proposal are based upon and subject to Purchaser's acceptance of the Terms and Conditions of Sale attached to this proposal. WPE reserves the right to change the prices quoted if the subsequent Purchase Order changes or modifies in any manner, the Scope of Supply or the attached Terms and Conditions of Sale, unless WPE's written consent is first obtained. This proposal shall become a binding contract for the scope of equipment supply and mechanical warranty responsibility, upon acceptance by Purchaser and approval by WPE as provided for in the Terms and Conditions of Sale.

TERMS OF PAYMENT:

95% net 30 days upon shipment of materials, or upon offer of shipment.

5% net 30 days upon start-up of the equipment or within 90 days of final shipment, whichever occurs first.

When multiple structures or partial shipments are involved, each structure or its equivalent tonnage will be considered a unit for payment.

Invoices not paid within 30 days from date of invoice will bear interest at the rate of two percent (2%) per month.

These terms are completely independent from, and in no way contingent upon, when you receive payment from the Owner and/or prime contractor. Walker Process prices do not include sales, use, excise, or other similar taxes, and all such taxes shall be paid by the Purchaser. Our offering does not include bonds of any kind, which the purchaser may require.

The price in the quotation includes seven (7) service manuals. If additional copies are required, prices will be provided upon request.

PRICE ADJUSTMENTS

Due to continuing escalation in the cost of materials used by Seller to manufacture its products, the prices quoted are subject to escalation after Seller's receipt of Buyer's order through the date Seller is first able to purchase the materials required to manufacture the goods being sold to Buyer hereunder. Price increases based on escalation shall be determined by the applicable material indexes.

Increases in costs incurred by Seller from third party vendors and/or fabricators that exceed 2% of the cost used by Seller to determine the price quoted to Buyer for items not manufactured by Seller or for fabrication work performed with respect to the goods purchased by Buyer shall be passed through to Buyer based upon the actual price increase made by such third party.

Seller, in its sole discretion, shall determine whether to make price adjustments based on escalation or third party price increases. In either event, Seller shall give Buyer written notice of all price adjustments made pursuant to the foregoing provision. If Buyer does not agree to accept such price adjustments, Seller reserves the right to cancel this order, in which event Seller shall have no further obligation or liability to Buyer, provided, however, that Buyer shall be liable to Seller for the agreed upon purchase price for any goods or services received by Buyer from Seller prior to such cancellation.

TERMS AND CONDITIONS OF SALE

Please refer to the attached Terms and Conditions of Sale, which form an integral part of this proposal.

FIELD SERVICE

Our prices include the services of a factory field service technician for checkout, initial start-up, testing, commissioning, and/or instruction of plant personnel as noted in the "Scope of Supply". Refer to the attached General Items regarding our Terms of Field Service.

SCOPE OF SUPPLY

BID ITEM: HYDRAULIC INSTOMIX

One (1) Walker hydraulic InstoMix size 2.

WALKER PROCESS WILL SUPPLY:

INSTOMIX BODY: 12" nominal dia x 3/8" wall flanged pipe body made of carbon steel with removable hand hole.

FLOW SECTIONING BAFFLES: Carbon steel plates radially installed in the entry portion of the InstoMix body to form equal segmental sections.

MIXER: Flanged-mounted agitator equipped with a 1 HP, direct-connected, constant speed motor. Each agitator shall have a stuffing box type shaft seal with grease lubrication. Each agitator shall have dual opposed, 4 1/2" dia, axial flow impellers. Impellers and shafting shall be of Type 316 stainless steel.

CHEMICAL FEED SYSTEM: Type 316 stainless steel injection tubes mounted on handhole cover and terminating at centroids of equal segmental sections.

SHOP PAINTING: External ferrous surfaces will be cleaned to SSPC-SP10 and given one (1) shop coat of Tnemec N69-1211 primer, 3.0 mils dry film thickness.

Internal ferrous surfaces will be cleaned to SSPC-SP10 and given two (2) shop coats of Tnemec 140 Pota-Pox, 14.0 – 16.0 mils dry film thickness.

FIELD SERVICE: As required but not to exceed one (1) trip and one (1) day of mechanical service.

ESTIMATED SCHEDULE: Based on current deliveries by suppliers and our projected work load, we estimate that we can ship fabricated materials in accordance with the schedules listed below. SCHEDULE COMMITMENTS ARE SUBJECT TO REVISION AND MUST BE CONFIRMED AT TIME OF ORDER.

Approval Drawings waived, IOM Manuals only
Shipment, after Receipt of Finalized orderl . . 9 weeks

EXCLUSIONS: Although shown on the plans and/or specified, the following are not included in this offering.

1) Piping to and from InstoMix
2) Chemical feed pipe and fittings to InstoMix
3) Rotometer
4) Chemical feed controls and installation
5) Bolt and gasket sets for InstoMix end flanges

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **December 14, 2010**

Date: December 10, 2010

Subject: **Approve Resolutions Required to Implement New CalPERS Tier 2**

Recommendation:
Approve attached resolutions: (1) IMPLEMENTING THE PROVISIONS OF SECTION 414(h)(2) OF THE INTERNAL REVENUE CODE; and (2) FORMALIZING POLICY FOR PAYING AND REPORTING THE VALUE OF EMPLOYER PAID MEMBER CONTRIBUTIONS TO THE CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

Background:
Under the CalPERS plan covering current employees, the required employee contribution is 8% of salary. Pursuant to the District's Personnel Policy Manual, employees pay 1% and the District pays the remaining 7%.

The new PERS Tier 2 plan (2% @ 60) the District created in August 2010 requires an employee contribution of 7%. Continuing current practice, new employees will be responsible for paying 1%, and the District will pay 6% of the employee contribution.

In order to implement this policy for employees covered under Tier 2, it is necessary for the District to adopt the two attached resolutions, which ensure that the District-paid employee contributions are tax-deferred.

Fiscal Impact
None.

RESOLUTION NO. 2010 - _____

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE COASTSIDE COUNTY WATER DISTRICT IMPLEMENTING THE PROVISIONS OF SECTION 414(h)(2) OF THE INTERNAL REVENUE CODE

WHEREAS, the Coastside County Water District ("District") has the authority to implement the provisions of section 414(h)(2) of the Internal Revenue Code (IRC); and

WHEREAS, the Coastside County Water District has determined that even though the implementation of the provisions of section 414(h)(2) IRC is not required by law, the tax benefit offered by section 414(h)(2) IRC should be provided to all employees who are members of the Public Employees' Retirement System.

WHEREAS, the Coastside County Water District adopted a resolution implementing 414(h)(2) IRC on August 21, 2007.

WHEREAS, the Coastside County Water District desires to reaffirm its implementation of 414(h)(2) IRC.

NOW, THEREFORE, it is resolved by the Board of Directors of the Coastside County Water District as follows:

1. That the Coastside County Water District will continue to implement the provisions of section 414(h)(2) Internal Revenue Code by making employee contributions pursuant to Government Code section 20691 to the Public Employees' Retirement System on behalf of all its employees or all its employees in a recognized group or class of employment who are members of the California Public Employees' Retirement System. "Employee Contributions" shall mean those contributions to the Public Employees' Retirement System which are deducted from the salary of employees and are credited to individual employees' accounts pursuant to California Government Code section 20691.

2. That the contributions made by the Coastside County Water District to the California Public Employees' Retirement System, although designated as employee contributions, are being paid by the Coastside County Water District in lieu of contributions by the employees who are members of the California Public Employees' Retirement System.

3. That employees shall not have the option of choosing to receive the contributed amounts directly instead of having them paid by the Coastside County Water District to the California Public Employees' Retirement System.

4. That the Coastside County Water District shall pay to California Public Employees' Retirement System the contributions designated as employee contributions from the same source of funds as used in paying salary.

5. That the amount of the contributions designated as employee contributions and paid by the Coastside County Water District to California Public Employees' Retirement System on behalf of an employee shall be the contribution required of the employee by the California Public Employees' Retirement Law (California Government Code Sections 20000, et seq.).

6. That the contributions designated as employee contributions made by the Coastside County Water District shall be treated for all purposes, other than taxation, in the same way that member contributions are treated by California Public Employees' Retirement System.

PASSED AND ADOPTED this ____ day of _____, 2010, by the following votes of the Board of Directors:

AYES:

NOES:

ABSENT:

_____
Chris Mickelsen, President
Board of Directors
Coastside County Water District

ATTEST:

_____
Secretary of the Board of Directors
Coastside County Water District

Return Address:

Coastside County Water District
766 Main Street
Half Moon Bay, CA 94019

FOR CALPERS USE ONLY

RESOLUTION TO TAX DEFER MEMBER PAID CONTRIBUTIONS – IRC 414 (H) (2)

Approved by: _____

Title: _____

RESOLUTION NO. 2010-_____

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE COASTSIDE COUNTY WATER DISTRICT FORMALIZING POLICY FOR PAYING AND REPORTING THE VALUE OF EMPLOYER PAID MEMBER CONTRIBUTIONS TO THE CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

WHEREAS, the Board of Directors of the Coastside County Water District has the authority to implement Government Code Section 20636(c)(4) pursuant to Section 20691; and

WHEREAS, the Board of Directors of the Coastside County Water District has a written labor policy or agreement which specifically provides for a portion of the normal member contributions to be paid by the employer, and reported as additional compensation; and

WHEREAS, one of the steps in the procedure to implement Section 20691 is the adoption by the Board of Directors of the Coastside County Water District of a Resolution to commence paying and reporting the value of said Employer Paid Member Contributions (EPMC);

WHEREAS, the Board of Directors of the Coastside County Water District has identified the following conditions for the purpose of its election to pay EPMC:

- This benefit shall apply to all miscellaneous employees hired on or after August 14, 2010.
- This benefit shall consist of paying 6% of the normal contributions as EPMC, and reporting the same percent (value) of compensation earnable {excluding Government Code Section 20636(c)(4)} as additional compensation.
- All miscellaneous employees hired before August 14, 2010 will continue to have the EPMC benefit described in Resolution 2007-13.
- This resolution shall be effective immediately upon its adoption.

NOW, THEREFORE, it is resolved that the Board of Directors of the Coastside County Water District elects to pay and report the value of EPMC, as set forth above.

PASSED AND ADOPTED this ____ day of _____, 2010, by the following votes of the Board of Directors:

AYES:

NOES:

ABSENT:

_____
Chris Mickelsen, President
Board of Directors
Coastside County Water District

ATTEST:

_____
Secretary of the Board of Directors
Coastside County Water District

STAFF REPORT

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

From: **David Dickson, General Manager**

Agenda: **December 14, 2010**

Report Date: December 10, 2010

Subject: **General Manager's Report**

Recommendation:
None. Information only.

Background:
For this month's report, I would like to highlight the following:

1. **Water Reclamation Update**
   There is nothing new to report this month. We are waiting for SAM to respond to the principles of agreement the CCWD Board approved on February 9, 2010.

2. **SFPUC Rate Study**
   We had a meeting with SFPUC staff on November 16 to review the results of a rate study they began in April 2010 to determine whether CCWD should receive a lower rate for untreated water. Bartle Wells consultants Reed Schmidt and Alison Lechowicz also attended for the District. Based on that meeting and on subsequent discussions with SFPUC, I believe that SFPUC staff will recommend that CCWD receive a discount of 8-10% off the wholesale treated water rate. This discount, if approved by the Commission, would take effect July 1, 2012. Savings to the District in Fiscal Year 2011-2012 would be about $200,000 and would increase in future years.

3. **CCWD-SFPUC Operations Meeting**
   On November 17, CCWD staff and SFPUC staff met at the District offices to discuss operations. This annual meeting focuses primarily on coordination of operations related to the Pilarcitos Reservoir water source. Topics this year included SFPUC's plans for capital improvements in Pilarcitos Reservoir and CCWD's concerns with the condition and reliability of our pipeline from the SFPUC meter.

4. Denniston Raw Water Piping Failure

On November 30, while the operations staff was restarting the Denniston plant after replacing gaskets to stop leaks in the raw water piping, the raw water piping broke at a threaded joint, shifting the piping and causing significant damage. Superintendent of Operations Joe Guistino will describe this incident in greater detail in his presentation.

MONTHLY REPORT

To: **David Dickson, General Manager**

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

Agenda: **December 14, 2010**

Report Date: **December 8, 2010**

Monthly Highlights

Denniston Water Treatment Plant (WTP) Intake Failure

The intake piping to Denniston WTP failed in November, resulting in inability to run this facility. We are presently designing a new intake route and generating specifications for anchoring the plumbing and hope to be able to bring the plant back on line in February.

Nunes WTP Backwash Improvement

Our backwash valve at Nunes has been inoperable for years. District Crews procured and installed a new backwash valve and flow meter which will improve filter operation for decades to come.

Nunes Short Term Improvement Project

This project is now complete. We are now generating our own disinfectant. A wonderful milestone for Coastside County Water District (CCWD).

Source of Supply

Crystal Springs and Pilarcitos Reservoir and Pilarcitos Wells 1, 4a and 5 were the major source of supply for the month of November. Pilarcitos Wells are running at 190 gpm.

Systems Improvement

Beautification

-General clean-up around Nunes lab, construction zone, parking lot and storage areas.
-General clean-up at Denniston WTP.
-Cleared and cleaned out old storage room at Nunes WTP to make room for hypochlorite generator salt storage.
-Cleaning and labeling pipe at Nunes WTP
-Old control potentiometers were removed from the chemical feed system areas.

Backflow Program
-Rite Aid and New Leaf shopping Center owners assured me that they will have their backflow devices in by the end of December.
-New backflow device installed at Popeye's
-Sent in request to District Engineer Teter to provide us with standard details for testable backflow device installation.
-We will be installing a backflow device on the fire system for CCWD offices in the month of December.

Nunes Emergency Shutdown
An emergency shutdown feature was installed at the Nunes WTP in November. The plant will now automatically shut down in the event of power failure, high turbidity or low chlorine residual well before any violations could occur.

Pilarcitos Canyon Erosion Issues
Resource Conservation District (RCD) has garnered a federal grant whereby the erosion in Pilarcitos Canyon from the Randtron access roads can be assessed and repairs designed. Once the designs have been incorporated, Randtron has agreed to render repairs as needed to eliminate the present severe erosion.

Nunes Streaming Current Monitor
Our old streaming current monitor at Nunes is starting to fail, making it difficult to keep the coagulant dosage optimized. We have purchased a new unit and will install it near its sample source on the influent water line. This location change will allow for better control of coagulant dosage.

Nunes WTP Backwash Improvement
Crews have installed a new butterfly valve and backwash flow meter on the backwash system at Nunes. The old Bailey control valve for the system, which has been inoperable for over a decade, will be removed. This improvement will allow for improved filter backwashing, water savings, and longer filter runs. The project will be complete in December.

Denniston Creek Discharge Station
Although our operations are designed for no discharges to Denniston Creek, there will be times in which a discharge will be inevitable. Our National Pollution Discharge Elimination System (NPDES) permit requires us to monitor chlorine residual in real time. We are designing, in house, a small station that will house a chlorine analyzer and dechlorination station to show proof that discharges will all have no chlorine residuals. The project should be complete by 1 February.

Update on Other Activities:
Denniston WTP
We had been unable to run Denniston WTP in the first part of November due to excessive turbidity in the raw water. Upon starting the plant on the week of 6

November, a leak developed in the intake plumbing gaskets. We continued to have problems with gaskets and fittings during successive startups and finally, on 30 November, the entire intake plumbing failed, possibly ruining the seal on the 12" intake pipe that comes up through the foundation of the plant. The pipe separated in 2 locations. Maintenance Supervisor John Davis was on site at the time and was slightly injured by the force of the water from the dislocated pipes. He was subsequently checked by the District physician and cleared to return to work.

Kennedy/Jenks was called in to assess the damage and recommend repairs. They have been charged with design specifications for couplings, fittings, anchor straps and thrust blocks. They were also asked to assess the pipe as it comes up through the foundation and suggest alternate pipe configurations.

Crews are on a fast track to repair the damage. We have ordered new pipe, fittings and couplings and are poised to order a new flash mixer (The Department of Public Health (DPH) has been after us to replace this for years). We hope to have repairs completed by 1 February.

Yellow Water Event

We had one small colored water event in November when a portion of Clipper Ridge was isolated to replace a failed street valve. The event was short lived (2 hours) with only 2 complaints.

Sensus Registers

We have discovered that some of the registers for our large meters have been sticking. The registers have been replaced in the last few years on our meters 1" and greater as part of the automatic meter reading (AMR) program for large users. Many of the registers that were manufactured between December 07 and October 08 had some defects and tended to stick. Sensus has agreed to replace every register 1" and greater with new registers at their expense for products and labor.

Fire Hazard Inspection

The Coastside Fire Protection District inspected District Center for fire hazards and code compliance on 15 November. They discovered some bulbs out in the EXIT sign in the board room, and that our fire suppression system needed certified inspection. Both of these items were promptly addressed. They will do a follow up inspection on 15 December.

Safety/Training/Inspections/Meetings

Meetings Attended

4 November – Attended Bay Area Water Supply and Conservation Agency (BAWSCA) Water Quality Meeting at Redwood City Public Works.
4 November – Pre Denniston Short Term Improvement (STI)/Denniston Pretreatment Upgrade phone meeting to discuss strategies to meld these two projects into one.

9 November –STI/Denniston Pretreatment Upgrade meeting with District Engineer Jim Teter.
9 November – Met with Rudy Zelmer of Valli Cooper to discuss possible future projects.
9 November - Nunes STI punch list meeting. Frisch Engineering, KG Walters, EKI, Donovan, Twitchell and Teter also in attendance.
17 November – All employee meeting.
17 November – Annual meeting with San Francisco Public Utility Commission (SFPUC). Discussed Pilarcitos Water Rates, water supply rate change communication, Pilarcitos East pipeline replacement, vegetation management along said pipeline, Pilarcitos gauging station upkeep and maintenance, and the Integrated Pilarcitos Creek Integrated Watershed Management Plan Funding Memorandum of Understanding.
29 November – Supervisory Control And Data Acquisition (SCADA) strategy meeting with CalCon. Ryan Smith, Twitchell and Dickson also in attendance. Discussed access codes and security protocol, backup and data acquisition.

Safety Meeting and Training
Safety Meeting was held on 10 November at Montara Water and Sanitary District (MW&SD).
Safety Training for November was on identification of substance abuse for supervisors.
Joint Powers Insurance Authority (JPIA) conducted a safety class on Fall Protection for the entire field crew on 10 Nov.

Training-General
Treatment Staff was trained on the operation of the On Site Hypochlorite Generator (OSG) at Nunes WTP. They, in turn, initiated training of the rest of the operating staff.

Treatment Staff was trained on the new inspection protocol for the new chemical feed equipment at Nunes WTP.

Regulatory Agency Interaction
DPH
No interaction with DPH in the month of November.

Regional Water Quality Control Board (RWQCB)
We generated and sent in our annual self-monitoring report for discharges into Denniston Creek.

Projects
Tank Recoating Projects
We await design and coating specs for repairs to Half Moon Bay Tank 1, El Granada Tank 2 and Alves Tank.

Nunes Short Term Improvement Project

-Electric roll up doors installed and functional.
-Soft water system for the OSG installed.
-The sodium hypochlorite OSG was started on 2 November. This is a milestone for the District and the coastside. We are now disinfecting our water supply with a 1% bleach solution generated on-site from salt. The unit is running well.
-Some fittings on the alum pumps failed on 8 November. The plant was shut down and the units repaired within hours. The fittings were replaced with a heavy duty type to prevent any future failures.
-STI contractor KG Walters labeled chemical piping and other small items that was on the punch list for project completion, such as tank drain installation and vent relocations.

El Granada Tank 1 Fence Project

A1 fence retracted their bid for this project because they do not want to pay prevailing wages. We have solicited the second bidder, Crusader Fence, to provide us with an updated bid for the project. We anticipate the project to start and be complete in January.

Denniston STI and Pretreatment Upgrade Project

Discussions were held with Mr. Teter as to the comments made to the STI design and spec documents by Kennedy/Jenks Consultants. Mr. Teter will clear up some issues and redesign some aspects of the project. We also received clarification from the Coastside Fire Protection District as to their requirements for the project. The most significant change for the Denniston STI project will be the relocation of the caustic soda tank to outside and the replacement of the alum tank with a vertical style tank. Both tanks can be placed in their own, adjacent containment basins. Other issues needing clarified include transfer of our present tagging system to the STI plans for mechanical and electrical components.

Pilarcitos Canyon Blending Station

Awaiting decisions on raw water rates from SFPUC before we go forward on this project.

Crystal Springs Pump Station Coating

Redwood Painting started on the exterior coating upgrade to Crystal Springs Pump Station (PS). This project will be complete in December.

SCADA

There has been much work in November to install the SCADA operating system at Nunes to operate the newly upgraded chemical feed and control systems. We now have SCADA control of all chemical feed systems, filter data acquisition, influent control and automatic shutdown. Since there are communication issues with the RUGID operating system at District Center, we have installed an automatic dialer at Nunes to alert the on call staff of any alarms generated during off hours.

Monthly Report

To: **David Dickson, General Manager**

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

Agenda: **December 14, 2010**

Subject: **Water Resources Report**

This report is provided as an update on water resources activities. The report includes the following items:

- BAWSCA Updates
  - Water Conservation Database (WCDB)
  - Lawn Replacement Program
- CASGEM/California Senate Bill x7-6
- Half Moon Bay Precipitation Table
- Winter Bill Stuffer
- List of Meetings

□ Bay Area Water Supply and Conservation Agency (BAWSCA)

- BAWSCA has deployed a regional water conservation database (WCDB). The database, based on Microsoft's SharePoint, was developed for two specific efforts: (1) conservation activity reporting and (2) BAWSCA's annual survey reporting. Besides being a tool for submitting data, the database utilizes SharePoint features, such as; announcements, documents, discussions, and a calendar. These features are intended to help communication with and among BAWSCA and BAWCA's member agencies. Coastside County Water District completed their submittal for the annual survey to BAWSCA on December 1st. This was the first year that BAWSCA utilized the newly deployed WCDB for data submittal.

- BAWSCA is developing a Lawn Replacement Program as part of their subscription water use efficiency (water conservation) programs. The goal of this new program is to offer an incentive for property owners to remove irrigated turf (lawn) with low-water using plants. Of course, the ultimate goal is to reduce the amount of water used for landscape irrigation. The rebate is offered to help offset the cost of landscaping materials. BAWSCA has proposed a pilot program that will be implemented in 2011. Some highlights of the pilot program are:

  - The rebate amount is $0.50 per square foot of lawn (turf) replaced.
  - A maximum $500 rebate per Single Family Residential Property.
  - A maximum $3000 rebate per Commercial or Residential Multi-Family Property.
  - A minimum area of 200 square feet of lawn (turf) must be converted.
  - Permeable hardscape is allowed in up to 50% of the converted area.
  - Only front yards and areas visible from the sidewalk are eligible for the rebate.
  - Only existing lawn (turf) area being irrigated is eligible for the rebate.
  - Installation of artificial turf is not eligible for the rebate.

□ **California Statewide Groundwater Elevation Monitoring (CASGEM)**

California Senate Bill x7-6 mandated a statewide program to collect groundwater elevations to facilitate collaboration between the Department of Water Resources and local agencies. The data gathered will be made available to the public. All groundwater basins identified in Bulletin 118 are required to be monitored.

Local agencies that have that have jurisdiction, as defined by the law, must notify the Department of Water Resources by January 1, 2011 that it wishes to be designated a Monitoring Entity for all or part of a groundwater basin. The approved Monitoring Entity must define and submit a groundwater monitoring plan to the Department of Water Resources that can be used to determine seasonal and long term groundwater elevation trends in the monitoring area. On or before January 1, 2012, the approved Monitoring Entity shall begin reporting seasonal groundwater elevation measurements.

Coastside County Water District's service area includes part of the Half Moon Bay Terrace groundwater basin, as identified in Bulletin 118. Staff intends to apply to be a Monitoring Entity for the part of the Half Moon Bay Terrace groundwater basin in the District's service area.

The Department of Water Resources expects to have their final guidance documents available by December 15, 2010. Attached is a letter from the Department of Water Resources describing the intent, requirements and timeline for CASGEM.

The Department of Water Resources has information about CASGEM on its website at http://www.water.ca.gov/groundwater/casgem/

□ **Half Moon Bay Precipitation Table**

Local precipitation amounts are about 85% of normal to date for Water Year 2011.

Precipitation for Half Moon Bay (inches)													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Historic Average	1.3	3.4	3.7	5.5	4.8	3.9	1.6	0.6	0.2	0.0	0.1	0.3	25.4
Water Year 2011	2010			2011									
	1.1	3.0											4.0

□ **Winter Bill Stuffer**

The winter billing statements will have outreach information from the Nice Save! and Save Our Water campaigns. The insert reminds customers to adjust their irrigation controllers and to select water efficient plants for their landscaping.

□ **November List of Meetings**

CA Department of Water Resources Urban Water Management Plan Workshop (webinar) 11/30/2010
Statewide Water Use Efficiency Meeting (webinar) – 11/18/2010
BAWSCA Water Management Meeting – 11/10/2010
Water Resources Committee – 11/2/2010

STATE OF CALIFORNIA – CALIFORNIA NATURAL RESOURCES AGENCY
ARNOLD SCHWARZENEGGER, *Governor*

DEPARTMENT OF WATER RESOURCES
1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791

November 1, 2010

To all parties interested in the CASGEM Program:

On November 4, 2009 the State legislature amended the Water Code with SBx7-6, which mandates a statewide groundwater elevation monitoring program to track seasonal and long-term trends in groundwater elevations in California's groundwater basins. To achieve that goal, the amendment requires collaboration between local monitoring entities and Department of Water Resources (DWR) to collect groundwater elevation data. Collection and evaluation of such data on a statewide scale is an important fundamental step toward improving management of California's groundwater resources.

In accordance with this amendment to the Water Code, DWR developed the California Statewide Groundwater Elevation Monitoring (CASGEM) program. The intent of the CASGEM program is to establish a permanent, locally-managed program of regular and systematic monitoring in all of California's alluvial groundwater basins. The CASGEM program will rely and build on the many, established local long-term groundwater monitoring and management programs. DWR's role is to coordinate the CASGEM program, to work cooperatively with local entities, and to maintain the collected elevation data in a readily and widely available public database. DWR will also continue its current network of groundwater monitoring as funding allows.

The law anticipates that the monitoring of groundwater elevations required by the enacted legislation will be done by local entities. The law requires local entities to notify DWR in writing by January 1, 2011 if the local agency or party seeks to assume groundwater monitoring functions in accordance with the law.

If no local entities volunteer to monitor groundwater elevations in a basin or part of a basin, DWR may be required to develop a monitoring program for that part. If DWR takes over monitoring of a basin, certain entities in the basin may not be eligible for water grants or loans administered by the State.

In an effort to help local entities decide whether they want to volunteer to monitor groundwater elevations, DWR is providing the following two documents:

- DRAFT Procedures for Monitoring Entity Reporting for the CASGEM Program. This document summarizes the requirements of the law, explains how monitoring entities are established, and describes how data will be submitted on-line to DWR.

- DRAFT Groundwater Elevation Monitoring Guidelines. This document describes the groundwater monitoring procedures that DWR will use if no local entity volunteers to perform CASGEM monitoring and DWR is required to conduct monitoring. These Guidelines are not binding on local entities monitoring a basin, but can provide guidance to local entities considering whether they wish to assume groundwater monitoring functions and may be helpful to determine what to include in the monitoring plans required by the law. Each basin is unique, and DWR will work with the designated monitoring entities to determine the appropriate plan for each basin.

To better carry out its role of working cooperatively with each monitoring entity to determine the manner in which groundwater elevation information should be reported to the department, DWR is providing these documents for public review. The public comment period for these documents will end on November 22, 2010, to accommodate the January 1, 2011 legislative filing deadline for local entities to notify DWR of their interest in becoming the Monitoring Entity.

The anticipated CASGEM schedule for the remainder of 2010 is as follows:

- November 1, 2010: CASGEM Draft Procedures for Monitoring Entity Reporting and DWR Draft Groundwater Elevation Monitoring Guidelines posted on CASGEM website for public review
- November 22, 2010: Public comments due on draft CASGEM documents
- December 15, 2010: Procedures for Monitoring Entity Reporting and DWR Groundwater Elevation Monitoring Guidelines finalized

DWR is developing the on-line Monitoring Entity submittal system and anticipates that the system will be accessible through the CASGEM website by mid-December. The anticipated CASGEM schedule for the 2011 to 2012 is as follows:

On or before January 1, 2011: Local entities interested in becoming the Monitoring Entity submit notification to DWR using on-line system

- After January 1, 2011: Designation of Monitoring Entities
- January 1 – July 1, 2011: Development and submittal of Monitoring Plans by designated Monitoring Entities and review by DWR
- No later than September 2011: Monitoring Entities begin groundwater monitoring
- On or before January 1, 2012: Monitoring Entities submit Fall 2011 groundwater elevation data to DWR using on-line system

DWR appreciates the ongoing statewide interest in the CASGEM program and the public input to the process. The draft documents and access to an online system to submit comments is available on the CASGEM website at http://www.water.ca.gov/groundwater/casgem/. DWR looks forward to receiving your comments and working with local agencies and other interested parties on the CASGEM program.

Sincerely,

Paula J. Landis, Chief
Division of Integrated Regional Water Management