

MONTHLY REPORTS

- A. Expenditures from September 14, 2016 through October 27, 2016
- B. General Manager's Report, including Water Conservation Progress Report
 - 1. Supplemented by Administrative Services Manager's Report
 - 2. Supplemented by Operations Manager's Report
 - 3. Supplemented by District Engineer's Report
- C. Financial Reports

October 27, 2016

Accounts Payable

Checks by Date - Summary by Check Date

User: candyp Printed: 10/30/2016 3:36 PM



Check No	Vendor No	Vendor Name	Check Date	Check Amount
157	ICMACONT	ICMA contributions	09/15/2016	666.24
158	HEALTHEQ	Health Equity	09/15/2016	709.58
159	CALPERS	CALPERS	09/15/2016	7,126.18
179	RETNITEM	Return Item Charge	09/15/2016	146.00
180	adpprfee	ADP Payroll Fees	09/15/2016	39.60
			Total for 9/15/2016:	8,687.60
168	ICMACONT	ICMA contributions	09/16/2016	2,416.63
169	HEALTHEQ	Health Equity	09/16/2016	350.00
170	CALPERS	CALPERS	09/16/2016	2,607.87
			Total for 9/16/2016:	5,374.50
31359	ACWAJPIA	ACWA/JPIA	09/22/2016	1,395.00
31359	ACWAJFIA	ACWAJITA AIRGAS, LLC	09/22/2016	1,395.00
31360	ALTERIS	ALTERIS INSURANCE COMPANY	09/22/2016	1,722.07
31361	ALTERIS	ALIERIS INSURANCE COMPANY ALWAYS ON TIME CONCRETE & PLUN		874.00
31362	ATT60197	ALWATS ON TIME CONCRETE & FLOF AT&T 60197	09/22/2016	80.60
31363	CINTS	CINTAS CORPORATION	09/22/2016	376.26
31364	COMCAST	COMCAST	09/22/2016	638.56
31365	COMCAST	COMCAST BUSINESS	09/22/2016	635.33
31360	HOMEDEPC	HOME DEPOT	09/22/2016	168.54
31367	INTRTRAF	INTERSTATE TRAFFIC CONTROL INC	09/22/2016	98.10
31368	LINCOLNL	LINCOLN LIFE	09/22/2016	600.00
31309		MATCO TOOLS	09/22/2016	45.73
31370	MATCOTLS MCNAMAR			800.00
		MCNAMARA TRANSPORT, INC.	09/22/2016	301.03
31372	NORTHSAF	NORTHERN SAFETY CO. INC.	09/22/2016	686.16
31373	OFFICTEM	OFFICE TEAM	09/22/2016	
31374	PARS	PARS	09/22/2016	300.00
31375	PG&E	PG&E CFM/PPC DEPT	09/22/2016	8,810.14 619.36
31376	PRECISE	PRECISE, INC.	09/22/2016	339.12
31377	RICOHPhi	RICOH Philadelphia	09/22/2016	
31378	RANDB	ROBERTS & BRUNE CO. INC.	09/22/2016	1,644.92
31379	STANDINS	STANDARD INSURANCE COMPANY	09/22/2016	780.01
31380	STEVCRKQ	STEVENS CREEK QUARRY, INC.	09/22/2016	428.07
31381	TAPMASTR	TAP MASTER, INC	09/22/2016	3,448.00
31382	HANNAGR(THE HANNA GROUP	09/22/2016	875.00
31383	USBANKPR	U.S. BANK PARS ACCT# 6746019200	09/22/2016	36,234.00
31384	ARAKAKI	SUE ARAKAKI	09/22/2016	200.00
31385	BFIOFCAL	BFI of CALIFORNIA INC OX MTN. LA		2,247.67
31387	RJGORDON	R. J. GORDON CONSTRUCTION, INC.	09/22/2016	93,013.06
31388	RANDB	ROBERTS & BRUNE CO. INC.	09/22/2016	7,146.52
			Total for 9/22/2016:	164,628.18
182	ACHRETN	ACH Returns	09/23/2016	59.90

Check No	Vendor No	Vendor Name	Check Date	Check Amount
			Total for 9/23/2016:	59.90
31389	AIRGAS	AIRGAS, LLC	09/28/2016	216.76
31390	ATT60197	AT&T 60197	09/28/2016	1,202.38
31391	BAGGENGI	BAGG ENGINEERS	09/28/2016	8,705.00
31392	CGUHLENB	C G UHLENBERG LLP	09/28/2016	1,325.00
31393	CINTS	CINTAS CORPORATION	09/28/2016	376.26
31394	ESRIINC	ESRI INC	09/28/2016	1,045.00
31395	HACHCOMI	HACH COMPANY INC	09/28/2016	1,757.64
31396	HOMEDEPC	HOME DEPOT	09/28/2016	143.96
31397	INTRTRAF	INTERSTATE TRAFFIC CONTROL INC	09/28/2016	98.10
31398	KIMBALLM	KIMBALL MIDWEST	09/28/2016	221.13
31399	MCNAMAR.	McNAMARA TRANSPORT, INC.	09/28/2016	1,600.00
31400	MHN	MHN	09/28/2016	45.54
31401	OFFICEDE	OFFICE DEPOT, INC.	09/28/2016	436.93
31402	OFFICTEM	OFFICE TEAM	09/28/2016	1,143.60
31403	PACWEST	PACIFIC WEST SECURITY, INC.	09/28/2016	330.00
31404	PINA	CANDY PINA	09/28/2016	508.68
31405	RICHTRUC	RICH VOSS TRUCKING, INC.	09/28/2016	532.95
31406	RANDB	ROBERTS & BRUNE CO. INC.	09/28/2016	11,572.92
31407	SFWATER	SAN FRANCISCO WATER DEPT	09/28/2016	541,669.00
31408	SMELECTR	SAN MATEO ELECTRIC SUPPLY	09/28/2016	108.16
31409	STEPFORD	STEPFORD BUSINESS, INC.	09/28/2016	5,328.00
31410	STEVCRKQ	STEVENS CREEK QUARRY, INC.	09/28/2016	505.10
31411	VERIZON	VERIZON WIRELESS	09/28/2016	883.04
			Total for 9/28/2016:	579,755.15
151	CALPERS	CALPERS	09/29/2016	7,126.18
152	HEALTHEQ	Health Equity	09/29/2016	934.58
153	ICMACONT	ICMA contributions	09/29/2016	666.24
154	CALPERS	CALPERS	09/29/2016	2,567.15
155	HEALTHEQ	Health Equity	09/29/2016	350.00
156	ICMACONT	ICMA contributions	09/29/2016	2,416.63
1266	HACHCOMI	HACH COMPANY INC	09/29/2016	1,757.64
			Total for 9/29/2016:	15,818.42
183	SUPERIOR	SUPERIOR PRESS	09/30/2016	184.14
			Total for 9/30/2016:	184.14
31412	ATT60197	AT&T 60197	10/05/2016	19.82
31413	ACWAJPIA	ACWA/JPIA	10/05/2016	43,894.00
31414	BAWSCA	BAY AREA WATER SUPPLY & CONSER		17,622.00
31415	CINTS	CINTAS CORPORATION	10/05/2016	381.30
31416	COGGINSM	MARK COGGINS	10/05/2016	1,540.00
31417	DINGYIFU	DING YI FU	10/05/2016	935.13
31418	HANSONBR	HANSON, BRIDGETT	10/05/2016	7,226.00
31419	HIA	HARBOR INDUSTRIAL ASSOCIATION	10/05/2016	525.00
31420	HOMEDEPC	НОМЕ DEPOT	10/05/2016	304.67
31421	DAVIDSON	JOHN T. DAVIDSON	10/05/2016	4,327.46
31422	JULBROWN	JULIE M BROWN & ASSOC	10/05/2016	755.94
31422	LINCOLNL	LINCOLN LIFE	10/05/2016	175.00
31424	OFFICTEM	OFFICE TEAM	10/05/2016	1,143.60
51727			10,0012010	-,

Check No	Vendor No	Vendor Name	Check Date	Check Amount
31425	PAKPOUR	PAKPOUR CONSULTING GROUP, INC	10/05/2016	500.00
31426	PETTYCSH	PETTY CASH	10/05/2016	372.91
31427	PG&E	PG&E CFM/PPC DEPT	10/05/2016	8.65
31428	pina	CANDY PINA	10/05/2016	120.00
31429	RAMIREZ	RENE RAMIREZ	10/05/2016	27.95
31430	REDWING	RED WING SHOE STORE	10/05/2016	3,560.80
31431	RICOHPhi	RICOH Philadelphia	10/05/2016	133.81
31432	RANDB	ROBERTS & BRUNE CO. INC.	10/05/2016	487.57
31433	ROYALWHC	ROYAL WHOLESALE ELECTRIC	10/05/2016	196.20
31434	SERPICO	SERPICO LANDSCAPING, INC.	10/05/2016	5,780.60
31435	VALLEYOL	VALLEY OIL COMPANY	10/05/2016	1,193.01
31437	ACWAJPIA	ACWA/JPIA	10/05/2016	41,079.94
			Total for 10/5/2016:	132,311.36
31438	ATT60197	АТ&Т 60197	10/13/2016	1.54
31439	CARLHARD	CARLMONT HARDWARE	10/13/2016	6.53
31439	CARQUEST	CARQUEST AUTO PARTS	10/13/2016	73.01
31440	CINTS	CINTAS CORPORATION	10/13/2016	351.40
31441	CITYBELM	CITY OF BELMONT	10/13/2016	3,372.00
31442	EBAYTIRE	EAST BAY TIRE CO.	10/13/2016	2,402.69
31443	ESRIINC	ESRI INC	10/13/2016	1,045.00
31444	GRANITE	GRANITE ROCK, INC.	10/13/2016	921.16
31443	HOMEDEPC	HOME DEPOT	10/13/2016	30.42
31440	INTRBATT	INTERSTATE BATTERY SYSTEM, INC.	10/13/2016	207.08
		OFFICE TEAM		914.88
31448	OFFICTEM		10/13/2016	14,100.21
31449 31450	pakpour PG&E	PAKPOUR CONSULTING GROUP, INC PG&E CFM/PPC DEPT	10/13/2016 10/13/2016	6,077.85
	PRECISE			620.07
31451 31452		PRECISE, INC. R. J. GORDON CONSTRUCTION, INC.	10/13/2016	5,086.80
31432	RJGORDON		10/13/2016	651.04
	RECOLOGY	RECOLOGY SAN MATEO ROBERTS & BRUNE CO. INC.	10/13/2016 10/13/2016	521.91
31454	RANDB			3,775.00
31455	SMENVIRN SENSUSUS	SAN MATEO CO. ENVIRO. HEALTH	10/13/2016	1,400.00
31456		SENSUS USA STARCO WELDING L.L.C.	10/13/2016 10/13/2016	540.00
31457 31458	STARWELD STATEPLU	STATE PLUMBING AND HEATING SUP		72.43
31458	STEPFORD	STATE FLOMBING AND HEATING SUF	10/13/2016	1,840.00
31439	TOOLAND	TOOLAND, INC.	10/13/2016	43.59
31460	VALLEYOL	VALLEY OIL COMPANY	10/13/2016	1,475.56
31461	VANGUARE	VALLET OIL COMPANY VANGUARD CLEANING SYSTEMS, IN(385.00
31462	ATT60197	AT&T 60197	10/13/2016	60.57
31463	BECKLEYJ	JULIE BECKLEY	10/13/2016	75.00
31465	COSGRAVE	JOSEPH COSGRAVE	10/13/2016	75.00
31465	DOYGUMEI	EREN DOYGUN	10/13/2016	150.00
31460	granite	GRANITE ROCK, INC.	10/13/2016	201.43
31467	HALLIRA	IRA HALL	10/13/2016	75.00
31469	JACQUEME	HENRY JACQUEMET JR	10/13/2016	75.00
3140)	MURPHYJO	JOHN MURPHY	10/13/2016	150.00
31470	PENGSUSA	SUSAN PENG	10/13/2016	125.00
31471	STURKENA	ALAN STURKEN	10/13/2016	100.00
				75.00
31473 31474	SUNDSTRO VALLERGA	MALOU SUNDSTROM DAVID VALLERGA	10/13/2016 10/13/2016	75.00
			Total for 10/13/2016:	47,152.17
21475			10/19/2017	244.00
31475	AIRGAS	AIRGAS, LLC	10/18/2016	344.02
31476	ATT60197	AT&T 60197	10/18/2016	77.88

Check No	Vendor No	Vendor Name	Check Date	Check Amount
31477	BPLANDSC	BAY POINTE LANDSCAPE	10/18/2016	1,051.00
31478	BFIOFCAL	BFI of CALIFORNIA INC OX MTN. LA	10/18/2016	4,301.54
31479	CINTS	CINTAS CORPORATION	10/18/2016	346.36
31480	COMCAST	COMCAST	10/18/2016	373.06
31481	CORNERST	CORNERSTONE STRUCTURAL ENGIN	10/18/2016	6,010.00
31482	HOMEDEPC	HOME DEPOT	10/18/2016	226.26
31483	KIMBALLM	KIMBALL MIDWEST	10/18/2016	221.13
31484	MCNAMAR.	McNAMARA TRANSPORT, INC.	10/18/2016	1,700.00
31485	OFFICEDE	OFFICE DEPOT, INC.	10/18/2016	164.62
31486	OFFICTEM	OFFICE TEAM	10/18/2016	1,143.60
31487	OREILLYA	OREILLY AUTO PARTS, INC.	10/18/2016	137.58
31488	PARS	PARS	10/18/2016	300.00
31489	SMELECTI	SAN MATEO ELECTRONICS, INC.	10/18/2016	151.58
31490	SFPUCFIN	SFPUC FINANCIAL SERVICES	10/18/2016	2,000.00
31491	STEVCRKQ	STEVENS CREEK QUARRY, INC.	10/18/2016	844.87
31492	SUBTRONI	SUBTRONIC CORPORATION	10/18/2016	350.00
31493	HANNAGR	THE HANNA GROUP	10/18/2016	350.00
			Total for 10/18/2016:	20,093.50
181	adpprfee	ADP Payroll Fees	10/20/2016	287.56
			Total for 10/20/2016:	287.56
31494	ACWADUES	ACWA DUES	10/27/2016	13,805.33
31495	ACWAGROU	ACWA- GROUP INS.	10/27/2016	8,961.53
31496	ALPINEAW	ALPINE AWARDS INC	10/27/2016	1,044.33
31497	ATT60197	AT&T 60197	10/27/2016	40.11
31498	BAAQMD	BAY AREA AIR QUALITY MGMT DIST.	10/27/2016	1,108.00
31499	BAWSCA	BAY AREA WATER SUPPLY & CONSER		522.00
31500	CINTS	CINTAS CORPORATION	10/27/2016	346.36
31501	COMCAST	COMCAST	10/27/2016	260.70
31502	COMCASTB	COMCAST BUSINESS	10/27/2016	635.08
31503	LINCOLNL	LINCOLN LIFE	10/27/2016	350.00
31504	MHN	MHN	10/27/2016	45.54
31505	NICEJANU	JANUARY NICE	10/27/2016	3,836.00
31506	OFFICEDE	OFFICE DEPOT, INC.	10/27/2016	59.15
31507	OFFICTEM	OFFICE TEAM	10/27/2016	686.16
31508	PACOFFIC	PACIFIC OFFICE AUTOMATION	10/27/2016	2,613.81
31509	PAKPOUR	PAKPOUR CONSULTING GROUP, INC	10/27/2016	500.00
31510	PG&E	PG&E CFM/PPC DEPT	10/27/2016	3,002.77
31511	PRECISE	PRECISE, INC.	10/27/2016	1,417.24
31512	PRINTER	PRINTER ASSIST	10/27/2016	370.24
31513	REDWING	RED WING SHOE STORE	10/27/2016	400.00
31514	RICOHPhi	RICOH Philadelphia	10/27/2016	339.12
31515	RUDOCK	TAMMY RUDOCK	10/27/2016	98.00
31516	SAFETYCE	SAFETY CENTER, INC.	10/27/2016	100.00
31510	SFWATER	SAN FRANCISCO WATER DEPT	10/27/2016	498,143.40
31518	STANDINS	STANDARD INSURANCE COMPANY	10/27/2016	780.01
31518	SWRCBACC	SWRCB ACCOUNTING OFFICE	10/27/2016	5,815.29
31519	VERIZON	VERIZON WIRELESS	10/27/2016	865.35
31520	XIOINC	XIO, INC.	10/27/2016	808.00
			Total for 10/27/2016:	546,953.52

Check No	Vendor No	Vendor Name	Check Date	Check Amount
			Report Total (179 checks):	1,521,306.00



- TO: Board of Directors
- FROM: Tammy A. Rudock General Manager

DATE: October 27, 2016

MANAGER'S REPORT

FOLLOW-UP FROM 09/22/16 REGULAR BOARD MEETING

- Executed First Amendment to the Professional Services Contract with the District Engineer, referenced as Contract No. 01-1621-CIP, in the amount of \$292,155, for Engineering Design Services related to the 2017 Water Main Replacements Project.
- Staff and District Counsel are working on the easement attachment for the Water Service Agreement between the MPWD and Central Peninsula Development, LLC, for the mixed-use development at 576-600 El Camino Real in Belmont, CA.
- Transmitted to the San Mateo County Board of Supervisors Resolution No. 2016-16 Requiring Even-Numbered Year Elections for the MPWD Board of Directors in Consolidation with the Statewide General Elections.
- Finalized the new MPWD Personnel Manual and met with and distributed copies to employees. All employees signed Exhibit B-2 Acknowledgment of Receipt of Personnel Manual and At-Will Agreement.
- > All resolutions will be posted to the MPWD website.

CLASSIFICATION STUDY AND INTERIM SALARY SURVEY

Koff & Associates is currently working on the interim salary survey. The results will be shared once available.

HARBOR INDUSTRIAL ASSOCIATION (HIA)

On Thursday, November 3, 2016, President Matt Zucca will be the featured speaker at the HIA's regular meeting and will present the MPWD's capital program. District Engineer Joubin Pakpour will attend the meeting as well. The meeting will be at The Van's Restaurant at 12:00Noon.

WATER CONSERVATION PROGRESS

The monthly progress report is attached.

HOLIDAY CLOSURES

The MPWD Administration, Customer Services, and Field Operations will be closed on the following official holidays:

- Friday, November 11, 2016, in observance of Veteran's Day; and
- Thursday and Friday, November 24 and 25, 2016, in observance of Thanksgiving.

On-call staff will be available for service interruptions and emergencies. Customers may contact the MPWD's 24-hour answering service at 650-591-8941.

<u>3-MONTH "LOOK AHEAD" FOR BOARD MEETINGS</u>

<u>NOVEMBER</u>

- Receive Annual Financial Audit Presentation for Year Ended June 30, 2016.
- Receive capital program debt financing progress report.
- Receive annual PARS OPEB trust account performance review and confirm investment strategy.
- Consider/approve annual Board meeting schedule for 2017.
- Receive BAWSCA report.

<u>DECEMBER</u>

- Election of Officers for 2017 (followed by reception).
- Receive capital program debt financing progress report.
- Schedule annual January strategic planning special meeting.
- Consider Reimbursement Agreement between the MPWD and the California High-Speed Rail Authority.
- Closed Session: Conference with General Manager regarding annual performance review.

<u>JANUARY 2017</u>

- SPECIAL MEETING:
 - Annual strategic planning session, including MPWD Mission/Vision/Strategic Goals statements and Director Assignments.
- REGULAR MEETING:
 - o Annual water awareness calendar contest award presentations.
 - Receive BAWSCA report.
 - o Discuss potential for consultant review of MPWD commercial water rates.
 - Review proposed updated MPWD Miscellaneous Fees.
 - Consider proposed Board Bylaws.
 - Closed Session: Complete General Manager annual performance evaluation.

MEETINGS

DATE	EVENT
September 14 th	Attended JM Eagle Pipe on-site demonstration and
	lunch meeting with Operations staff.
September 15 th	Conference call with Municipal Finance Advisor
	team regarding capital program debt financing.

DATE	EVENT
September 18 th -19 th	Attended ACWA Region 5 Program and Tour: Byron Betheny Irrigation District in Tracy.
September 20 th	Attended ACWA JPIA Human Resources training at Scott's Valley Water District regarding Workplace
	Safety and Workers' Compensation/Return to Work.
September 22 nd	Meeting with Municipal Finance Advisor team, including Bond Counsel, regarding capital program debt financing.
	Attended safety session with staff and facilitated GM rap session.
September 28 th	Participated with staff and District Engineer in Karen Road project plans review and Construction Standards and Specifications update.
	Attended ACWA JPIA training session at MPWD: Workplace Ergonomics.
October 3 rd	Conference calls with defense counsel regarding litigation.
October 5 th	Participated with staff and District Engineer in
	Hillcrest Regulator Station project, including
	preliminary concepts and potential sites.
	Met new soils engineering team as consultant to District Counsel for capital projects.
	Conference call among staff, District Counsel, and District Engineer regarding Alameda de las Pulgas Water Main Replacement project closeout.
October 6 th	Attended BAWSCA Water Management meeting in Foster City.
	Attended HIA 60 th Anniversary Luncheon in Belmont.
October 11 th	Attended quarterly meeting between MPWD and Belmont Public Works staff.
October 12 th – 14 th	Attended and participated in Session 1 of the ACWA JPIA Leadership Essentials Program in Costa Mesa.
October 19 th	Attended ACWA JPIA Human Resources Group Meeting in Roseville.
October 20 th	Attended Mandatory Settlement Conference in San Mateo Superior Court in <i>Eurotech, et al. v. MPWD</i> litigation with staff and defense counsel.

<u>UPCOMING MEETINGS/EVENTS</u> HIA Meeting (Belmont) – November 3, 2016 BAWSCA Water Management Meeting (Foster City) – November 3, 2016 ACWA/JPIA Fall Conference & Exhibition (Anaheim) – November 28, 2016 – December 2, 2016



October 27, 2016

WATER CONSERVATION PROGRESS REPORT

The report due October 15th to the SWRCB was timely submitted. September's total water consumption was 110,971 units. The reduction (compared with 2013) measured -23.8%, and last month's R-GPCD was 92.5.

2016/2017 MONTH UNITS				CUMUL WATER S	R-GPCD**		2013 R-GPCD			
	16/17	15/16		16/17	15/16	16/17	15/16	16/17	15/16	
June 2016	115,047	103,863	150,614	-24.0%	-31.0%	-24.0%	-31.0%	90.6	82.3	122.6
July	120,096	105,639	156,081	-23.0%	-32.3%	-23.5%	-31.7%	96.9	81.1	122.9
August	119,435	106,832	155,788	-23.3%	-31.4%	-23.4%	-31.6%	96.3	82.0	122.7
September	110,971	105,459	145,551	-23.8%	-27.5%	-23.5%	-30.6%	92.5	83.6	118.5
October		98,345	122,117		-19.5%		-28.3%		75.5	96.2
November		77,733	106,535		-27.0%		-28.1%		61.6	86.7
December		70,423	94,062		-25.1%		-27.7%		54.0	74.1
January 2017		69,741	84,202		-17.2%		-26.4%		53.5	66.3

**R-GPCD = Residential-Gallons per Capita per Day). The SWRCB performance standard for indoor use is 55GPCD. (Note: Beginning in July 2016, the SWRCB formula for calculating the R-GPCD will include factors from the MPWD's 2015 Urban Water Management Plan adopted June 23, 2016: 90% residential use of total production and 26,924 population projection. For June 2016 ONLY, the SWRCB formula for calculating the R-GPCD included MPWD factors: 85% residential use of total production, and 2014 population projection—26,730—from 2010 Urban Water Management Plan.)

WATER WASTE COMPLAINTS

MPWD started tracking water waste complaints in July 2014. All have been investigated and resolved through communications and education.

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	ОСТ	NOV	DEC	YEAR TOTAL
2016	2	1	4	2	6	1	1	1	5				23
2015	2	0	5	12	6	6	12	5	5	3	1	0	57
2014	-	-	-	-	-	-	3	6	3	4	7	0	23

<u>STATEWIDE UPDATES</u> The SWRCB statewide Emergency Water Conservation Regulations Update and Media Release, each dated October 5, 2016, are attached for information.

SWRCB statewide Emergency Conservation Regulation Update dated October 5, 2016 Attachments: SWRCB Media Release dated October 5, 2016

2016 STATEWIDE WATER CONSERVATION REGULATIONS

The SWRCB adopted a statewide water conservation approach that replaces the percentage reductionbased standard with a localized "stress test" benchmark. Urban water suppliers were mandated to locally develop conservation standards based upon each agency's specific circumstances. The new statewide standards required local water agencies to ensure a 3-year supply assuming three more dry years like the ones recently experienced from 2012 to 2015. Water suppliers that would face shortages under three additional dry years would be required to meet a conservation target equal to the amount of the shortage. For example, if a water supplier's projections include a 10% supply shortfall, its mandatory conservation standard would be 10% (compared with 2013 consumption).

The SFPUC's Self-Certification of Supply Reliability for Three Additional Years of Drought and Update to Final Water Supply Availability Estimate dated June 9, 2016 was submitted to the State before the June 15th deadline. The SFPUC's 3-year look ahead is good for the RWS supply and a 10% voluntary reduction (compared with 2013 consumption) was requested.

The SFPUC used actual CY 2013 and CY 2014 demand for each of its wholesale customers, and then averaged the two calendar years for its projected supply for each customer under the SWRCB's proposed 3-year drought methodology. For the MPWD, the projected supply is 1,038.8 MG (1.4 million units) for each of the water years 2017, 2018, and 2019. For comparison in units, the MPWD's CY demand was as follows:

CALENDAR YEAR	DEMAND IN UNITS
2013	1.5 million
2014	1.3 million
2015	1.1 million

The MPWD's self-certification was submitted to the State on June 20th. It was posted to the MPWD website as required, together with the SFPUC's June 9th self-certification as backup documentation.

The SWRCB regulations further required continued monthly conservation reporting by urban water suppliers. Prohibitions against certain water uses were also extended.

The new water conservation standards took effect in June 2016 and remain in effect until the end of January 2017.

HISTORICAL INFORMATION

JUNE 2015 THROUGH MAY 2016

June 1, 2015 was the start of the measurement period for the 2015/2016 statewide water conservation goals. The MPWD system's conservation goal was 20% when compared to 2013 water consumption.

2015/2016 MONTH	2015/2016 UNITS	2013 UNITS	PERCENT CHANGE*	CUMULATIVE WATER SAVINGS*	2015/2016 R-GPCD	2013 R-GPCD
June 2015	103,863	150,614	-31.0%	-31.0%	82.3	122.6
July	105,639	156,081	-32.3%	-31.7%	81.1	122.9
August	106,832	155,788	-31.4%	-31.6%	82.0	122.7
September	105,459	145,551	-27.5%	-30.6%	83.6	118.5
October	98,345	122,117	-19.5%	-28.3%	75.5	96.2
November	77,733	106,535	-27.0%	-28.1%	61.6	86.7
December	70,423	94,062	-25.1%	-27.7%	54.0	74.1
January 2016	69,741	84,202	-17.2%	-26.4%	53.5	66.3
February	71,345	86,478	-17.5%	-25.4%	58.5	75.4
March	71,219	106,663	-33.2%	-26.2%	54.6	84.0
April	82,916	120,265	-31.1%	-26.6%	65.7	87.9
May	101,955	155,736	-34.5%	-27.3%	78.2	122.7

*Compared to 2013.

The R-GPCD (Residential-Gallons Per Capita Day) calculations are highlighted above in yellow. The SWRCB performance standard for indoor use is 55GPCD. (*Note: For 2015/2016, the SWRCB formula for calculating the R-GPCD included MPWD factors: 85% residential use of total production, and 2014 population projection*—26,730—from 2010 Urban Water Management Plan.)

JANUARY THROUGH MAY 2015 AND FEBRUARY THROUGH DECEMBER 2014

The 2015 and 2014 tables reflect MPWD's water system purchases in units (1 unit = 748 gallons), percentage change comparison, and cumulative average savings. The statewide goal was 15%.

2015 MONTH	2015 UNITS	2014 UNITS	2013 UNITS	PERCENT CHANGE*	CUMULATIVE WATER SAVINGS*	2015 R-GPCD	2014 R-GPCD	2013 R-GPCD
January	82,360	102,910	84,202	-2.2%	-2.2% / -15.1%**	64.9	81.1	66.3
February	79,782	73,221	86,478	-7.7%	-5.0% / -14.5%	69.6	63.9	75.4
March	102,964	89,152	106,663	-3.5%	-4.5% / -13.7%	81.1	70.2	84.0
April	91,491	96,019	120,265	-23.9%	-9.3% / -14.4%	74.5	78.2	87.9
May	97,806	126,934	155,736	-37.2%	-14.9% / -15.8%	77.1	100.0	122.7

*Compared to 2013. **Cumulative total since February 2014.

2014 MONTH	2014 UNITS	2013 UNITS	PERCENT CHANGE*	CUMULATIVE WATER SAVINGS*	2014 R-GPCD	2013 R-GPCD
February	73,221	86,478	-15.3%	-15.3%	64	75
March	89,152	106,663	-16.4%	-15.9%	70	84
April	96,019	120,265	-20.2%	-17.3%	78	98
May	126,934	155,736	-18.5%	-17.6%	100	123
June	139,729	150,614	-7.2%	-15.5%	114	123
July	134,669	156,081	-13.7%	-15.2%	106	123
August	128,924	155,788	-17.2%	-15.5%	102	123
September	118,284	145,551	-18.7%	-15.9%	96	119
October	109,652	122,117	-10.2%	-15.3%	92	96
November	86,670	106,535	-18.6%	-15.6%	71	87
December	72,835	94,062	-22.6%	-16.2%	57	74

*Compared to 2013.

The R-GPCD (Residential-Gallons Per Capita Day) calculations are highlighted above in yellow. The SWRCB performance standard for indoor use is 55GPCD. (*Note: For Calendar Years 2014 and 2015 tracking, the SWRCB formula for calculating the R-GPCD included MPWD factors: 85% residential use of total production, and population from 2010 Urban Water Management Plan—26,030.*)

Update on Emergency Water Conservation Regulation and Implementation of Executive Order B-37-16

Making Conservation a California Way of Life

Office of Research, Planning, and Performance

October 5, 2016



Status of Implementation

- Water production data collected from June 2014 through August 2016 (27 months)
- Fifteen months of statewide urban water conservation requirements (June 2015 August 2016)
- Statewide water conservation August 2016 :
 - 17.7 percent reduction from August 2013 baseline
 - 23.3 percent cumulative reduction since June 2015 (2 million acre-feet of water saved)

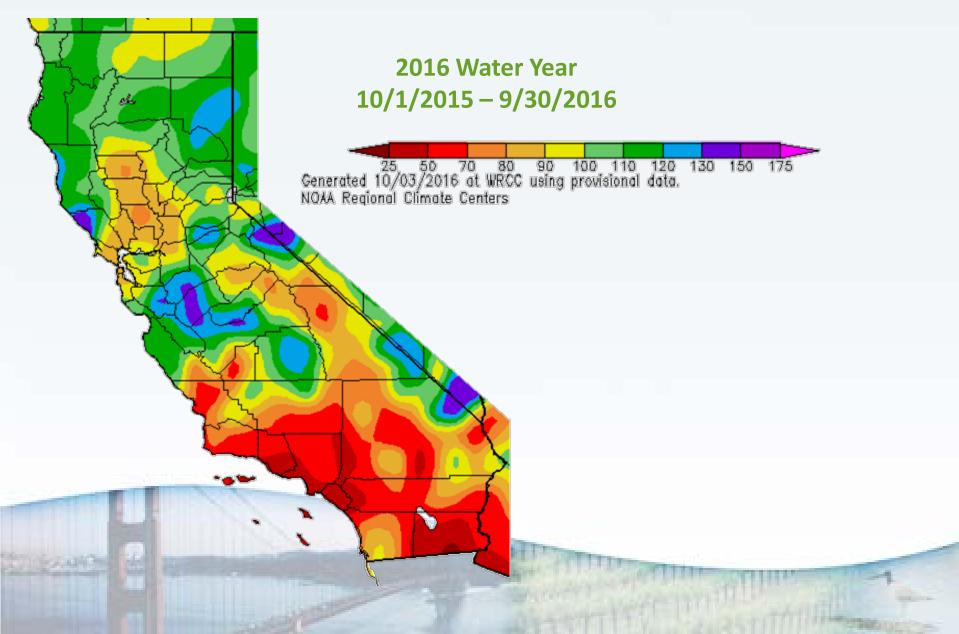
Statewide Cumulative Savings

(June 2015 – August 2016)

- 2,024,599 acre-feet (659.7 billion gallons) of water saved
- Savings is enough to provide 10.1 million Californians (26.1% of state population) with water for one year



Percent of Average Precipitation



U. S. Drought Monitor California since 2000

September 27, 2016

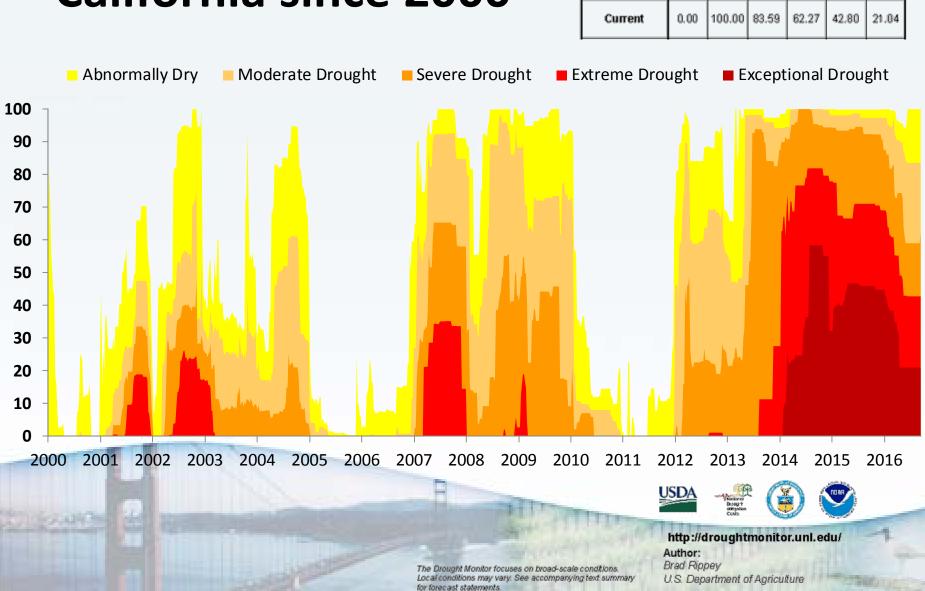
(Released Thursday, Sep. 29, 2016) Valid 8 a.m. EDT

None

Drought Conditions (Percent Area)

D0-D4 D1-D4 D2-D4 D3-D4

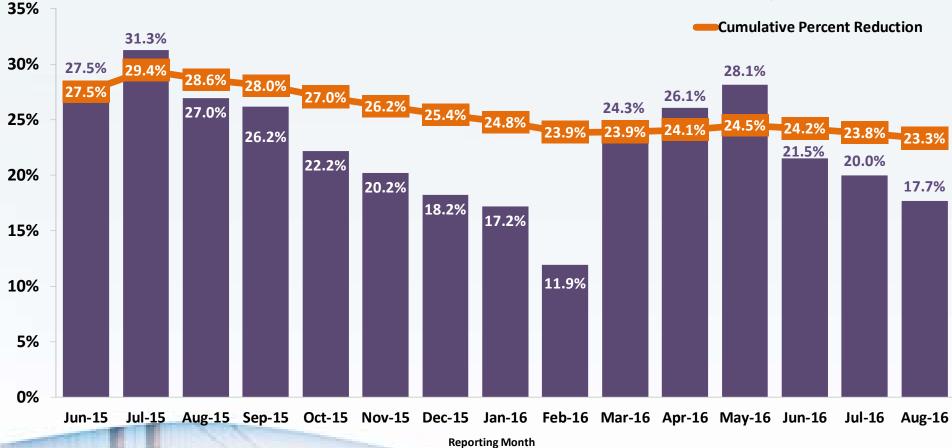
D4



Statewide Water Production Percent Reduction

(Compared to 2013)

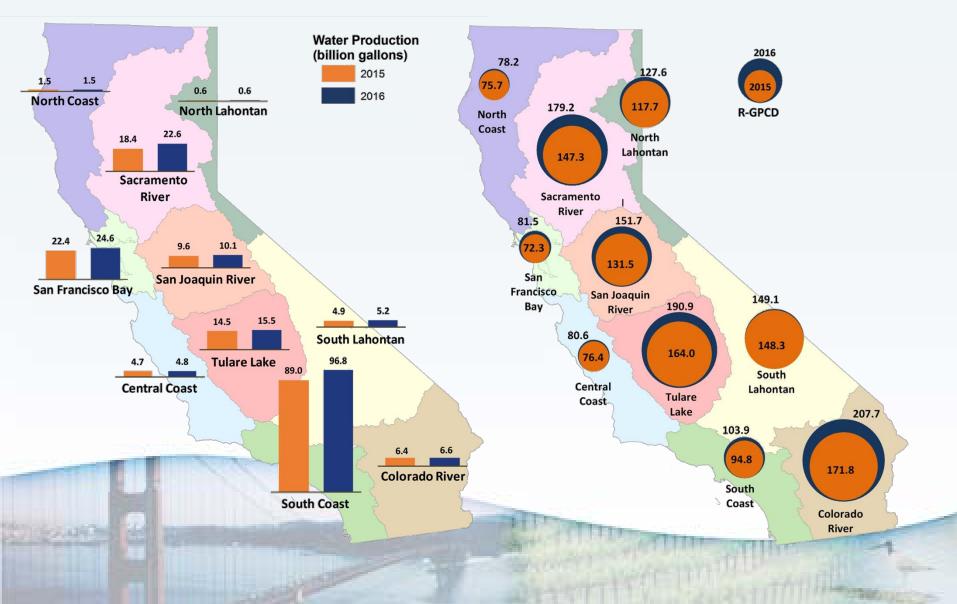
Monthly Percent Reduction



Average Statewide August 2016 R-GPCD = 114

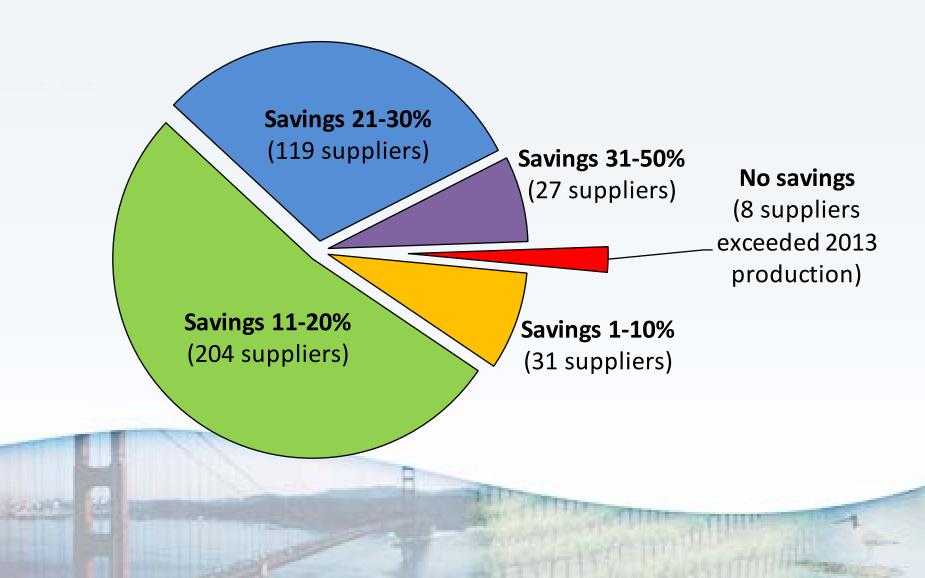
Water Production and R-GPCD by Hydrologic Region

(August 2016 Compared to August 2015)



Monthly Water Savings Achieved by Suppliers

(August 2016)



Conservation Compliance & Enforcement

- Follow up with non-reporting suppliers
- Information Orders issued for incomplete selfcertification submissions
- Compliance with June conservation standards continues to be assessed each month
- Conservation and Alternative Compliance Orders
- Supplemental Environmental Projects underway
- Outreach to small suppliers to commence

Next Steps

- Monitor conservation levels
- Follow up with individual water suppliers as needed
- Urge continued conservation messaging
- Highlight sustained conservation success stories



Save Our Water

and Our Trees!

saveourwater.com/trees



Media Release

Statewide Water Conservation Drops Below 18 Percent in August Water Suppliers Urged to Maintain Conservation Message

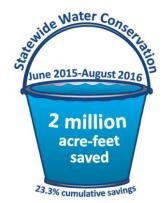
FOR IMMEDIATE RELEASE Oct. 5, 2016

Contact: George Kostyrko george.kostyrko@waterboards.ca.gov

SACRAMENTO — The State Water Resources Control Board today announced that urban Californians' monthly water conservation declined to 17.7 percent in August, down from 27

percent savings in August 2015, raising concerns that some water suppliers are abandoning their focus on conservation as California heads into a possible sixth drought year.

Californians continue to conserve water in significant amounts even in the absence of state-mandated conservation targets. The cumulative average savings from June 2015 through August 2016 was 23.3 percent, compared with the same months in 2013. Since June 2015, two million acre-feet of water has been saved — enough water to supply 10 million people, more than one-quarter the state's 38 million population, for a year.



However, water conservation has dropped steeply among some local water suppliers. These declines highlight the need for continued education and dialogue with customers on the importance of conserving and using water as efficiently as possible. As the State Water Board continues to monitor conservation levels, a return to state-mandated conservation may be necessary beginning next year.

"The statewide August conservation results raise questions, and we are examining the data to understand why some areas slipped more than others," said State Water Board Chair Felicia Marcus. "Are we seeing relaxation of conservation messaging and programs, or are we seeing abandonment of programs? One may be appropriate, the other is not. It's a mixed picture. Many communities who certified that they didn't 'need' to conserve are still conserving up a storm, while others have slipped more than seems prudent."

Marcus added: "While last year's rain and snow brought a respite for urban California, we are still in drought, and we can't know what this winter will bring. What we do know is that climate change will continue to make our water years even more unpredictable, so we need to retain our conservation habits for the long term, rain or shine, drought or no drought."







Conservation Data

- Statewide water savings for August 2016 was 17.7 percent (124,094 acre-feet or 40.4 billion gallons), a decrease from July 2016's 20 percent savings, and also a decrease from August 2015's 27 percent statewide savings (63.5 billion gallons). August 2016 water savings are 36 percent lower than August 2015.
- Cumulative statewide percent reduction for June 2015 August 2016 (fifteen months) is 23.3 percent, which equates to 2,024,599 acre-feet (659.7 billion gallons).
- Statewide average R-GPCD for August 2016 was 114.1 gallons; slightly up from 113.5 R-GPCD in July 2016 and also above 102.2 R-GPCD reported for August 2015. <u>All</u> <u>August data can be found on this page</u>.

Conservation levels have remained significant for many communities that had certified that they did not need top down mandates to keep conserving.

Under the board's revised <u>emergency water conservation regulations</u>, urban water agencies have the ability to set their own conservation standards based on a "stress test" of supply reliability. Water suppliers had to document that they have sufficient supplies to withstand three years of continuous drought or take additional measures that include state-imposed mandatory conservation targets. The regulation is in effect through January 2017. Those stress test results are <u>here</u>.

Of more than 400 local water agencies in California, 343 suppliers passed their stress test. Of those, 114 suppliers – or about a third – saved more than 20 percent in August, compared with the same month in 2013. These suppliers serve more than seven million people and include Sacramento, Alameda County Water District, San Gabriel Valley Water Company, San Gabriel Valley Fontana Water Company, Los Angeles County Public Works Waterworks District 40 (Antelope Valley), California-American Water Company Sacramento District, Contra Costa Water District, San Bernardino, Oceanside, Hayward, and Pomona.

While some local water suppliers may have relaxed water use restrictions from those that were in place last summer, most agencies have kept up locally mandated restrictions and targets, which is appropriate and which the state strongly encourages. Regardless of a supplier's individual conservation requirement, the statewide prohibitions on specific wasteful practices such as fountains without recirculating pumps, or irrigation of turf in street medians, remain in place.



Focus on Local and Regional Results

Some suppliers have seen modest reductions in conservation levels, based upon visibly improved water supply conditions or modest adjustments in their local conservation requirements. However, some suppliers have seen significant drops in conservation savings, raising questions about whether those suppliers are effectively communicating the need to conserve with their customers.

For example, among the 31 water suppliers that reported water savings between one and 10 percent in August 2016, a dozen of them had dropped from more than 20 percent savings a year earlier. This group includes Casitas Municipal Water District, Folsom, La Habra, Los Angeles County Public Works Waterworks District 29 (Malibu), Mountain House Community Services District, South Tahoe Public Utilities District, and Woodland. Some of these are in areas with improved water supply conditions; others are not.

Still, conservation remained high in many communities, and the total volume of water used in August 2016 was significantly lower than the same time period in 2013.

Some communities continue to maintain low overall per capita residential water use, which may not be reflected in percentage change, but illustrates a long-term commitment to efficient water use. For instance, Daly City, East Palo Alto, South Gate, and Golden State Water Company Florence Graham (South LA County) are examples of communities saving less than 10 percent in August 2016, yet the daily per capita use is already well below what a city in the Sacramento Region may be using on a daily basis. For agency data on water savings and average daily use, visit <u>here</u>.

"Percentages alone tell only part of the story, because a 15 percent reduction by someone using under 100 gallons per person a day can be more challenging than a 30 percent reduction by someone using 250 or 300 gallons a day," Marcus said. "That's true of agencies and it is true for individuals. In particular, we urge suppliers where conservation levels have dropped steeply to reach out to high use customers to find ways to conserve, and to join their community's conservation efforts. The legislature's passage and Governor's signing of SB 814 will help water suppliers send monetary signals to their highest users about the need to keep conserving while the drought continues. Most important, it sends a signal that all Californians are in this together and that fairness includes those who use the most doing their part along with the rest of us."

SB 814 (Hill) requires urban water suppliers to establish financial penalties for excess water use during droughts. Suppliers can either create excess-use ordinances with defined penalty amounts, or they can adopt rate structures that charge their highest users more during drought emergencies.



Status of Permanent Water Use Efficiency Targets Effort

The recently adopted regulation is part of a wider effort to build on short-term, emergency water restrictions to establish permanent conservation measures that improve long-term drought preparedness and eliminate the worst water-wasting practices. These actions will help achieve a top priority of the state's Water Action Plan - to "Make Conservation a California Way of Life."

In May, Governor Edmund G. Brown Jr. issued an <u>executive order</u> calling for new permanent water use efficiency targets for each urban water supplier and for strengthening local Water Shortage Contingency Plans. The local "stress test" data and three-year resiliency plans collected by the State Water Board will serve as a bridge to these actions and inform the development of new water use efficiency targets.

The <u>Board's work with state partner</u> agencies to craft a long term framework to meet Governor Edmund G. Brown Jr.'s <u>executive order</u> calling for new water use efficiency targets, permanent prohibitions on water waste, and improved drought planning continues. The Governor's Executive Order calls on state agencies, including the State Water Board, Department of Water Resources, California Public Utilities Commission, Department of Food and Agriculture, and the California Energy Commission to transition to permanent, long-term improvements in water use. The Department of Water Resources and State Water Board are directed to develop new water use targets as part of a permanent framework for urban water agencies.

Those new targets build upon existing state law, and will be based on strengthened standards for indoor water use; outdoor irrigation; commercial, industrial, and institutional use; and water lost through leaks. The state agencies are preparing a report, due January 10, 2017, that will detail the proposed framework, new standards, and implementation timeline. Information about the Executive Order can be found <u>here</u>.

Prohibitions also remain against homeowners associations or local governments taking action against homeowners who reduce or stop watering lawns. As directed by the executive order, the State Water Board will be making these prohibitions permanent.

Background

California has been dealing with the effects of an unprecedented drought. To learn about all the actions the state has taken to manage our water system and cope with the impacts of the drought, visit <u>Drought.CA.Gov</u>. Every Californian should take steps to conserve water. Find out how at <u>SaveOurWater.com</u>. While saving water, it is important to properly water trees. Find out how at <u>www.saveourwater.com/trees</u>. In addition to many effective local programs, state-funded turf removal and toilet replacement rebates are also available. Information and rebate applications can be found at: <u>www.saveourwaterrebates.com/</u>.



- TO: Board of Directors
- FROM: Candy Pina
- DATE: October 27, 2016

ADMINISTRATIVE SERVICES MANAGER'S REPORT

CONFERENCES, TRAINING, & MEETINGS:

- 1) Candy Pina: 10/03,13,17/16 Fixed Assets Training with Springbrook
- Misty Malczon/Candy Pina: Springbrook Success Community Overview Webex
- 3) Candy Pina: 10/05,12/16 Springbrook Status Call on implementation
- 4) Candy Pina: 10/06/16 HIA meeting
- Laura Ravella: 10/14/16 "How to Fess UP When You've Messed Up" Webinar
- 6) Candy Pina: 10/20/16 Carlmont High School Symposium Round Table Career Discussions with High School Sophomores
- 7) Jeanette Kalabolas/Laura Ravella/Candy Pina: 10/22/16 BAWSCA Drip Irrigation Landscape Class @ MPWD
- 8) Candy Pina: 10/24/16 10/28/16 Springbrook Post Go-Live Training on site with Carolyn Towles
- 9) Laura Ravella: 10/26/16 "How to Manage Priorities & Time" Webinar
- 10)Jeanette Kalabolas: 10/26/16 "ACWA Emergency Water Conservation Update & Outreach Actions" Webinar Briefing

FINANCIAL REPORTING:

1) Schedule of Cash and Investments:

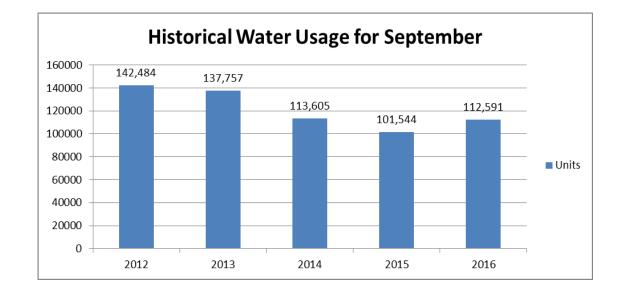
SCHEDULE OF CASH AND INVESTMENTS							
		BALANCE		BALANCE			
CASH ACCOUNT		@ 09/30/16		10/25/16			
PETTY CASH		400		400			
CASH DRAWER		200		200			
WELLS FARGO CHECKING	\$	211,106	\$	227,549			
LAIF	\$	4,055,161	\$	4,055,161			
TOTAL	\$	4,266,867	\$	4,283,310			
IOTAL	Ψ	4,200,007	Ψ	4,203,310			

Month End Balance of PARS/OPEB for August 2016 (September 2016 report not available): \$639,826. An overall increase in Net Earnings of \$1,366 was reported.

MPWD RESERVE FUNDS								
	Balance @		Balance @		Balance @		Budget for	
Reserve Account	09/30/2014		09/30/2015		09/30/2016		Reserve Poli	
Capital Reserves	\$	1,879,466	\$	889,457	\$	1,555,161	\$	2,500,000
Emergency Reserves	\$	2,000,000	\$	2,000,000	\$	2,000,000	\$	2,000,000
Working Capital Reserves	\$	500,000	\$	500,000	\$	500,000	\$	500,000
TOTAL RESERVE FUNDS	\$	4,379,466	\$	3,389,457	\$	4,055,161	\$	5,000,000

2) Water Revenue Report:

WATER REVENUES for FISCAL YEAR 2016/2017							
		Water	Fixed	Total			
	Total	Commodity	System	Water			
Month	Units	Charges	Charges	Revenues	Misc Rev		
JUL	111,110	851,106.50	205,631.47	1,056,737.97	1,242.50		
AUG	113,341	952,329.97	224,247.06	1,176,577.03	1,240.00		
SEP	112,591	947,559.51	224,661.20	1,172,220.71	1,248.75		
TOTAL	337,042	2,750,995.98	654,539.73	3,405,535.71	3,731.25		
					-		



3) SPRINGBROOK PROGRESS:

Springbrook implementation is on target. The week of 10/24/16, Carolyn Towles from Springbrook will be on site to assist with any questions and further training on the financial management system. Once this week is complete, staff will be directed to Customer Support for further questions related to the financial portion of the new software. Next, we will be

implementing the new billing system. The first data pull from our existing system occurred on October 24, 2016. Springbrook will be working with three years of data so staff will have needed information for state reporting purposes related to the drought. The billing go-live date is targeted for January – March 2017, and will be implemented in stages (see below).

S	SPRINGBROOK IMPLEMENTATION SCHEDULE - PRELIMINARY					
D	ATE					
Start	End	Task	Complete			
4/11/2016	4/13/2016	Overview training for Finance - Billing System and Chart of				
		Accounts	Х			
5/9/2016	5/13/2016	Finance Conversion - General Ledger and Accounts Payable				
		data review	х			
8/8/2016	8/12/2016	Finance Go Live	х			
8/22/2016	8/24/2016	Project Management Set-up and go-live	х			
9/5/2016	9/15/2016	Bank Reconciliation Configuration and go-live	х			
9/19/2016	9/19/2016	Fixed Assets - Go Live	х			
1/11/2017	11/19/2017	Utility Billing Data Conversion				
2/13/2017	2/16/2017	License & Permits - Go Live Session				
2/27/2017	3/3/2017	Utility Billing - Go-Live Session				
3/6/2017	3/7/2017	Ancillaries - AR - setups				
3/6/2017	3/6/2017	Coding Accuracy Support System (CASS) Certification - Setup				
		and Process Training				
3/20/2017	3/24/2017	Utility Billing - Post Go Live Refresher Training				

TEAM BUILDING ACTIVITIES: We continue to celebrate birthdays, and we are having a pumpkin carving contest on October 31st for Halloween.



- TO: Board of Directors
- FROM: Rene A. Ramirez, Operations Manager
- DATE: October 27, 2016

OPERATIONS REPORT – September 2016

Projects:

- Complete new services, 2- and 3-inch, and re-location of two fire hydrants at 10 Davis Drive for the CSUS;
- Through August staff has installed a total of 513 AMI meters throughout Zone 1 with 1 left to fit. The last meter is at a site where we have litigation and we are holding off until things settle out. Their water is still metered;
- AMI: Staff continues to work with Sensus Metering and Continentals Utility Billing to set up files for the new Sensus AMI customer portal conversion;
- Reviewed 80% engineering plans for the Karen Road water main project, which is part of the 2017 Water Main Replacement Project;
- Setting up and installing equipment to try a Cloud-based SCADA solution at Buckland and Exbourne Tank sites;
- Met with District Engineer to begin review of District construction standards and specifications, which is carried out every other year;
- Installed sprinklers in ceiling of rock bins in Corporation Yard to add water/moisture to fine and aggregate base material stored for use; and
- Completed service line upgrade at 1249 Lane.

Maintenance:

- Responded to and completed 212 USA (underground service alerts) requests and identified infrastructure before digging in the streets or easements. Last month we marked 239 locations. An average month is closer to 140 requests;
- Repaired a cast iron service leak on Chula Vista; replaced with copper tubing which is current standard material;
- Painted fire hydrants: at 2035 Lyon following installation of bollards to protect hydrant at location; and at 10 Davis Drive where two hydrants were re-located for CSUS;
- Fixed water main split under sidewalk along Notre Dame and near Francs; followed up with clean up and concrete forms to replace sidewalk;
- Effected repair to a ring break on water main under Old County Road temporary patchwork to asphalt completed with a permanent repair to come later;

- Carried out repair to hole in water main along Terrace with concrete repairs made to sidewalk;
- Fairway Drive water service repaired near meter box;
- Performed normal maintenance and exercised water system pressure regulating valves;
- Collected a requisite 44 water samples for bacteriological testing all samples were normal and showed no signs of coliform bacteria;
- Water system dead-ends continued to be monitored for disinfectant residual, and where needed, we flowed water into landscapes, street sweepers or sewer flushing trucks versus monitoring for discharge into the storm water systems to improve water quality; and
- Monitoring for signs of nitrification within our tanks, sample stations and dead ends continues as a part of regular water quality monitoring.

Location	Event	Material	Installation Date	Estimated Water Loss (Gals.)
Notre Dame & Francs	Main Break	CIP	1951	93,000
319 Old County Road	Main Break	ACP	1962	<500
1719 Terrace	Main Break	CIP	1977	37,000
1630 Fairway	Service Leak	Copper	2002	2,000
1160 Chula Vista	Service Leak	Cast Iron	1941	Unknown

System Repairs:

Development:

- Staff is currently working with developers on 13 development projects:

Mixed Use Commercial/Residential:

- o 576-600 El Camino Real currently reviewing their plans;
- 400-490 El Camino Real currently reviewing their plans;
 Commercial:
 - o 539 Harbor Blvd. currently reviewing their plans;
 - o 700 Island Parkway payment received, awaiting scheduling;
 - o 1201 Shoreway Road there is nothing to report out at this time;
 - o 1477 El Camino Real currently reviewing their plans;
 - o 699 Ralston Ave. currently reviewing their plans;

Residential/Multi-Family:

- 1249 Lane Street installation completed;
- 2177 Carlmont Avenue closing out installation;
- o 2828 Monte Cresta installation scheduled;
- o 905 South Rd currently reviewing their plans;

- o 1221 Elmer St currently reviewing their plans;
- o 10 Notre Dame Place currently reviewing their plans;

Administration:

- Invited to and attended meeting at Belmont City Hall to discuss residential project on the 2900 block of San Juan with developer City staff;
- Talking with representatives from Verizon regarding interest in locating a new cell tower on District property;
- Spoke to SFPUC representatives regarding their tentative and revised plan to flush their system in November;
- Participated in a group discussion on water testing for lead at schools, which is being contemplated by the state; direction to water purveyors anticipated in November/December time frame;
- Participated in conference call with GM, staff and District Engineer regarding potential claim from Alameda de las Pulgas contractor;
- Reviewed and commented on City of Belmont's consultant findings following their pot-holing near District facilities that is part of City work related to sewer project;
- Inspected work being carried out by San Mateo County Public Works along Ralston near Christian Drive and had contractor clean out District blow-off vault they had filled with rubble/waste that had been missed by the County inspector (County inspector was very apologetic);
- Attended training session on subject of ergonomics provided by the ACWA JPIA; and
- Continued to actively manage power use during pumping with positive energy savings results and cost reduction, and no net effect on the operation of the water system.



- TO: Board of Directors
- FROM: Pakpour Consulting Group, Inc. District Engineer
- DATE: October 27, 2016

DISTRICT ENGINEER'S REPORT

There is no written report this month.

MID-PENINSULA WATER DISTRICT BUDGET FOR YEAR 2016-2017 SUMMARY

SUMMARY				
				Target YTD %
DECODIDITION	APPROVED FY 2016-2017	ACTUAL 7/1/16	REMAINING BALANCE/	25.2% Y-T-D % OF
DESCRIPTION	BUDGET \$	9/30/16	(OVER BUDGET)	BUDGET
OPERATING REVENUE				
WATER COMMODITY CHARGES	8,100,000	2,673,283	5,426,717	33.0%
FIXED SYSTEM CHARGES	2,663,720	657,178	2,006,542	24.7%
FIRE SERVICE CHARGES	14,400	2,631	11,769	18.3%
SERVICE LINE & INSTALLATION CHARGES	25,000	-	25,000	NA
WATER SYSTEM CAPACITY CHARGES	200,000	-	200,000	NA
WATER DEMAND OFFSET CHARGES	10,000	-	10,000	NA
MISCELLANEOUS CHARGES	10,000	2,933	7,067	29.3%
INTEREST REVENUE - LAIF	10,000	6,693	3,307	66.9%
LEASE OF PHYSICAL PROPERTY	200,000	42,102	157,898	21.1%
PROPERTY TAX REVENUE	255,000	5,075	249,925	2.0%
TOTAL OPERATING REVENUE	11,488,120	3,389,895	8,098,225	29.5%
OPERATING EXPENDITURES				
SALARIES & WAGES	1,668,500	379,068	1,289,432	22.7%
PAYROLL TAXES & BENEFITS	1,163,800	271,840	891,960	23.4%
PURCHASED WATER	4,976,000	1,622,317	3,353,683	32.6%
OUTREACH & EDUCATION	133,900	14,795	119,105	11.0%
M&R - OPS SYSTEM	398,250	74,240	324,010	18.6%
M&R - FACILITIES & EQUIPMENT	162,000	34,712	127,288	21.4%
MAJOR MAINTENANCE	12,000	-	12,000	NA
OFFICE SUPPLIES & EQUIPMENT	326,750	67,466	259,284	20.6%
MEMBERSHIP & GOV FEES	217,500	39,678	177,822	18.2%
BAD DEBT & CLAIMS	37,000	2,207	34,793	6.0%
UTILITIES	288,300	54,899	233,401	19.0%
PROFESSIONAL SERVICES	501,950	96,673	405,277	19.3%
TRAINING/TRAVEL & RECRUITMENT	31,000	4,746	26,254	15.3%
RESTRICTED EARNINGS	(10,000)	(6,693)	(3,307)	66.9%
RESERVES DEPRECIATION	- 950,000	- 251,435	- 698,565	NA 26.5%
	40.050.050	0.007.000	7 0 40 500	24.004
TOTAL OPERATING EXPENDITURES	10,856,950	2,907,382	7,949,568	26.8%
OPERATING REVENUE LESS EXPENDITURES	631,170	482,513	148,657	76.4%
NET TRANSFERS TO CAPITAL	(631,170)	(482,513)	(148,657)	76.4%
		, , - /		
NET RESULTS OF OPERATIONS		-	-	
OPERATING EXPENDITURES LESS				
DEPRECIATION	9,906,950	2,655,947	7,251,003	26.8%

JLA WATER DISTRICT)GET FOR YEAR 2016-2017)ETAILED

	-				Target YTD % 25.2%
account Number	ACCOUNT DESCRIPTION	APPROVED FY 2016-2017 BUDGET \$	ACTUAL 7/1/2016 9/30/2016	REMAINING BALANCE/ (OVER BUDGET)	Y-T-D % OF BUDGET
4010	WATER COMMODITY CHARGES (A)	8,100,000	2,673,283	5,426,717	33.0%
4020	FIXED SYSTEM CHARGES	2,663,720	657,178	2,006,542	24.7%
4030	FIRE SERVICE CHARGES	14,400	2,631	11,769	18.3%
4050	SERVICE LINE & INSTALLATION CHARGES	25,000	-	25,000	NA
4060	WATER SYSTEM CAPACITY CHARGES	200,000	-	200,000	NA
4070	WATER DEMAND OFFSET CHARGES	10,000	-	10,000	NA
4090	MISCELLANEOUS REVENUES	10,000	2,933	7,067	29.3%
4000	TOTAL WATER AND FEE CHARGES	11,023,120	3,336,026	7,687,094	30.3%
4102	Interest Revenue- LAIF	10,000	6,693	3,307	66.9%
4100	INTEREST REVENUE	10,000	6,693	3,307	66.9%
4201 4202	Lease of Physical Property Property Tax Revenue (B)	200,000 255,000	42,102 5,075	157,898 249,925	21.1% 2.0%
4200	OTHER REVENUE	455,000	47,176	407,824	10.4%
4000	TOTAL OPERATING REVENUE	11,488,120	3,389,895	8,098,225	29.5%
6011 6012 6017	Salaries & Wages Director Compensation Capital Salaries & Wages	1,575,000 11,000 -	359,586 1,200 48,903	1,215,414 9,800 (48,903)	22.8% 10.9% NA
6010	GROSS REGULAR WAGES	1,586,000	409,689	<u>1,176,311</u> 48,903	25.8%
6017 6021 6022	CAPITAL SALARY & WAGES reversed Overtime Labor Standby Labor	45,500 37,000	(48,903) 10,734 7,547	48,903 34,766 29,453	N/A 23.6% 20.4%
6020	SUB-TOTAL SALARY & WAGES	1,668,500	379,068	1,289,432	22.7%
6031 6038 6039 6040 6041 6042	FICA/Medicare PR Tax ACWA Health Care ACWA Dental ACWA Vision ACWA Life/AD&D Standard LDL/SDL Disabiility	131,500 320,000 31,000 4,350 4,200 12,400	24,698 71,775 5,666 996 987 2,816	106,802 248,225 25,334 3,354 3,213 9,584	18.8% 22.4% 18.3% 22.9% 23.5% 22.7%
6043 6044 6045 6054 6046	Workers' Comp Insurance Unemployment CALPERS Retirement - ER 2%@55 CAPITAL PAYROLL TAXES & BENEFITS Retirees' ACWA Health Care	50,400 1,000 235,000 - 56,000	12,579 - 47,830 25,182 15,406	37,821 1,000 187,170 (25,182) 40,594	25.0% NA 20.4% N/A 27.5%

JLA WATER DISTRICT)GET FOR YEAR 2016-2017)ETAILED

					Target YTD % 25.2%
		APPROVED	ACTUAL	REMAINING	Y-T-D
ACCOUNT		FY 2016-2017	7/1/2016	BALANCE/	% OF
NUMBER	DESCRIPTION	BUDGET \$	9/30/2016	(OVER BUDGET)	BUDGET
6047	Directors' ACWA Health Care	108,000	27,699	80,301	25.6%
6049	Medical Reimbursement	1,000	182	818	18.2%
6050 6051	Employee Service Recognition Safety Incentive Program	7,000 7,200	1,150 1,800	5,850 5,400	16.4% 25.0%
6052	Uniforms (C)	24,750	9,545	15,205	38.6%
6053	PARS OPEB Expense	170,000	48,712	121,288	28.7%
			.0,7.12	.2.,200	2011/0
6030	SUB-TOTAL PAYROLL TAXES & BENEFITS	1,163,800	297,022	866,778	25.5%
6054	CAPITAL PAYROLL TAXES & BENEFITS	-	(25,182)	25,182	N/A
6000	PERSONNEL COSTS	2,832,300	650,908	2,181,392	23.0%
0000	FERSONNEL COSTS	2,032,300	030,700	2,101,372	23.076
6101	SFPUC Treated Water (A)	4,500,000	1,483,888	3,016,112	33.0%
6102	BAWSCA (Debt Service Surcharges)	476,000	118,863	357,137	25.0%
6103	Rates Stabilization	-	-	-	NA
6104	SFPUC Water Service Charge		19,566	(19,566)	N/A
6100	PURCHASED WATER	4,976,000	1,622,317	3,353,683	32.6%
6301	Water Conservation Program	7,200	-	7,200	NA
6302	School Conservation Program	7,200	(56)	7,256	-0.8%
6303	Public Outreach & Education	25,750	887	24,863	3.4%
6305	HET Rebates	24,750	1,823	22,927	7.4%
6306	Washing Machine Rebates	25,750	29	25,721	0.1%
6307	Lawn-Be-Gone Rebates	38,100	11,682	26,418	30.7%
6308	Rain Barrel Rebates	5,150	429	4,721	8.3%
6304	TOTAL WATER CONSERVATION REBATES	93,750	13,964	79,786	14.9%
6300	OUTREACH/EDUCATION	133,900	14,795	119,105	11.0%
6401	Water Quality	67,000	15,739	51,261	23.5%
6402	Pumping	78,250	4,382	73,868	5.6%
6403	Storage Tanks	15,000	-	15,000	NA
6404	Mains/Distribution	100,000	20,567	79,433	20.6%
6405 6406	Meters & Service	30,000 31,000	6,950 23,995	23,050 7,005	23.2% 77.4%
6408 6407	Fire Hydrants (D) Regulator Stations	6,000	23,993	5,998	0.0%
6408	Safety	32,000	983	31,017	3.1%
6409	SCADA Maintenance	15,000	1,622	13,378	NA
6410	Generator Maintenance	24,000	-		
6400	M&R - OPS SYSTEMS	398,250	74,240	324,010	18.6%
6501	M&R-Buildings&Grounds	93,000	17,686	75,314	19.0%
6502	M&R- Equipment&Tools	21,000	5,368	15,632	25.6%
6503	M&R- Vehicles & Large Equipment	19,000	4,891	14,109	25.7%
6504	M&R - Fuel	29,000	6,767	22,233	23.3%
6500	M&R - FACILITIES & EQUIPMENT	162,000	34,712	127,288	21.4%

JLA WATER DISTRICT)GET FOR YEAR 2016-2017)ETAILED

					Target YTD % 25.2%
ACCOUNT NUMBER	ACCOUNT DESCRIPTION	APPROVED FY 2016-2017 BUDGET \$	ACTUAL 7/1/2016 9/30/2016	REMAINING Balance/ (over Budget)	Y-T-D % OF BUDGET
6601	Cathodic Protection Survey	12,000	-	12,000	NA
6602	Leak Detection Survey	-	-	-	NA
6600	MAJOR MAINTENANCE	12,000	-	12,000	NA
6701	Office Supplies	18,000	2,643	15,357	14.7%
6702	Insurance- Liability/Vehicles	87,750	13,699	74,051	15.6%
6703	Postage (E)	3,250	1,250	2,000	38.5%
6704	Printing/Printing Supplies	13,000	2,987	10,013	23.0%
6705	Equipment Services/Maintenance	56,750	4,939	51,811	8.7%
6706	Computer Supplies & Upgrades (F)	11,750	4,054	7,696	34.5%
6707	Security & Safety	10,750	770	9,980	7.2%
6708	Other Fees	500	16	484	3.3%
	Customer Credit Card Svs Fees				
6709	Customer Credit Card SVS Fees	125,000	37,108	87,892	29.7%
6700	OFFICE SUPPLIES & EQUIP	326,750	67,466	259,284	20.6%
6801	Dues & Publications	39,500	8,406	31,094	21.3%
6802	Gov't Fees & Licenses	73,250	5,917	67,333	8.1%
6803	BAWSCA Membership Assessments	68,750	17,855	50,895	26.0%
6804	Env Health - Cross Connection Inspection	31,000	7,500	23,500	24.2%
6805	Software License	5,000	-	5,000	NA
6800	MEMBERSHIP & GOV FEES	217,500	39,678	177,822	18.2%
6901	Bad Debt	7,000	92	6,909	1.3%
6902	Claims	30,000	2,115	27,885	7.1%
6900	BAD DEBT & CLAIMS	37,000	2,207	34,793	6.0%
7001	Utilities-Internet/Cable (G)	7,500	3,812	3,688	50.8%
7002	Utilities-Cellular Telephones	11,850	3,417	8,433	28.8%
7003	Utilities-Electric-Pumping	220,000	35,264	184,736	16.0%
7004	Utilities-Electric-Bldgs&Grounds	24,000	6,870	17,130	28.6%
7005	Utilities-Telephones	17,500	3,907	13,593	22.3%
7006	Utilities-Sewer - NPDES	7,450	1,630	5,820	21.9%
7000	UTILITIES	288,300	54,899	233,401	19.0%
7101	Prof Serv - District Counsel	100,000	16,906	83,094	16.9%
7102	Prof Serv - District Engineer	100,000	17,996	82,004	18.0%
7103	Prof Serv - IT	19,750	5,120	14,630	25.9%
7104	Prof Serv- Annual Finance Audit (H)	20,000	13,500	6,500	67.5%
7105	Prof Serv - Mngmt Consult	-	-	-	NA
7106	Prof Serv- Accounting & Payroll	21,750	5,406	16,344	24.9%
7107	Prof Serv- Customer Billing	72,250	14,108	58,142	19.5%
7108	Prof Serv - Answering Svs	4,500	13	4,487	0.3%
7110	Prof Serv - Miscellaneous	160,000	22,725	137,275	14.2%
7110	Prof Serv - Miscellaneous Prof Serv - District Treasurer	3,700	900	2,800	24.3%
7100	PROFESSIONAL SERVICES	501,950	96,673	405,277	19.3%

JLA WATER DISTRICT **JGET FOR YEAR 2016-2017 DETAILED**

					Target YTD %
		APPROVED	ACTUAL	REMAINING	25.2% Y-T-D
ACCOUNT	ACCOUNT	FY 2016-2017	7/1/2016	BALANCE/	% OF
NUMBER	DESCRIPTION	BUDGET \$	9/30/2016	(OVER BUDGET)	BUDGET
7201	Director Travel	5,000	-	5,000	NA
7202	Director Expense	1,000	-	1,000	NA
7203	Elections	-	-	-	NA
7204	Employee Travel/Training	20,000	3,615	16,385	18.1%
7205	Meetings Expense	5,000	1,131	3,869	22.6%
7200	TRAINING & TRAVEL	31,000	4,746	26,254	15.3%
7202	Destricted Formings Functional Interact AIF	(10,000)	(/ (02)	(2, 207)	((00/
7302	Restricted Earnings Expense - Interest LAIF	(10,000)	(6,693)	(3,307)	66.9%
7300	RESTRICTED EARNINGS EXPENSE	(10,000)	(6,693)	(3,307)	66.9%
8001	Working Reserves: Capital	_	_	_	NA
8002	Working Reserves: Operating	61,123	-	61,123	NA
	······································				
8000	RESERVES	-	-	-	NA
9010	DEPRECIATION	950,000	251,435	698,565	26.5%
SUB-TOTA	L - OPERATING EXPENSES	8,024,650	2,256,475	5,768,175	28.1%
		10.05/.050	2 007 202	7 040 5 (0	24.004
TOTAL OPI	ERATING EXPENSES	10,856,950	2,907,382	7,949,568	26.8%
	NET OPERATING SURPLUS/(LOSS)				
	TRANSFER TO CAPITAL	631,170	482,513	148,657	76.4%
			0		

Water revenues and water purchases are both at 33%. Property Taxes mostly paid in April and December. Field Staff Workboots totaling \$3561. 4 Fire hydrants purchased totaling \$8526. Postage of \$1000 put in meter. totaling \$1,500. (A)

(B)

(C)

(D)

(E)

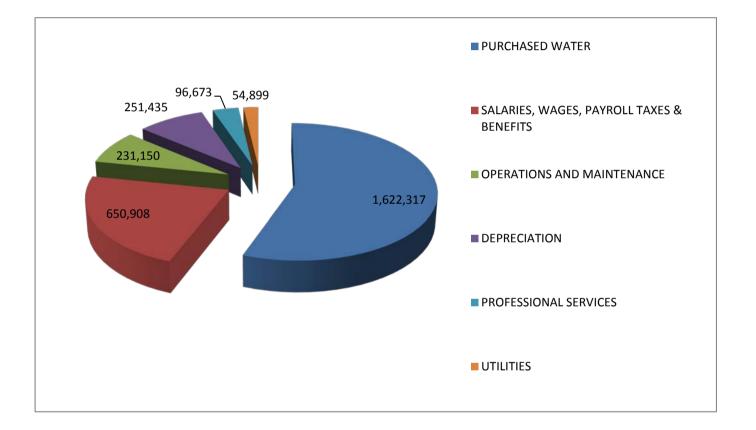
(F)

June 2016 bills included in this month. (G)

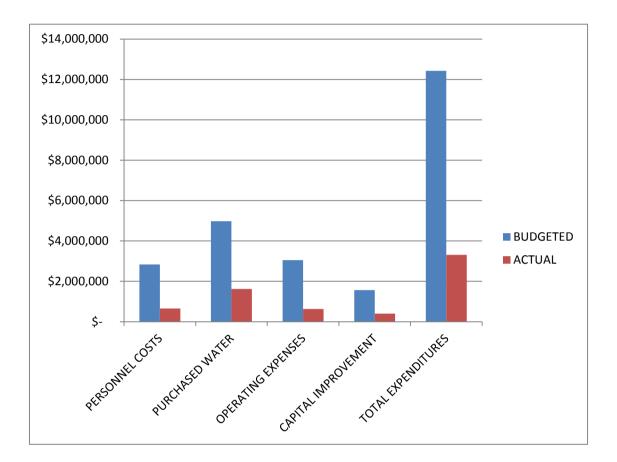
(H) Audit preliminary complete, audit committee review

MID-PENINSULA WATER DISTRICT ACTUAL OPERATING EXPENDITURES SUMMARY Sep-16

		% OF
OPERATING EXPENDITURES	ACTUAL \$	TOTAL
PURCHASED WATER	1,622,317	55.8%
SALARIES, WAGES, PAYROLL TAXES & BENEFITS	650,908	22.4%
OPERATIONS AND MAINTENANCE	231,150	8.0%
DEPRECIATION	251,435	8.6%
PROFESSIONAL SERVICES	96,673	3.3%
UTILITIES	54,899	1.9%
TOTAL OPERATING EXPENDITURES	2,907,382	1 00 %



BUDGET vs ACTUAL TOTAL EXPENDITURES Sep-16



		BUDGETED	ACTUAL
		% OF	% OF
TOTAL EXPENDITURES	BUDGETED AC	TUAL TOTAL	TOTAL
PERSONNEL COSTS	\$ 2,832,300 \$	650,908 23%	20%
PURCHASED WATER	\$ 4,976,000 \$ 1,	622,317 40%	49%
OPERATING EXPENSES	\$ 3,048,650 \$	634,158 25%	19%
CAPITAL IMPROVEMENT	\$ 1,565,000 \$	401,027 13%	12%
TOTAL EXPENDITURES	\$12,421,950 \$3,	308,409 100%	100%

MID-PENINSULA WATER DISTRICT BUDGET FOR FY 2016-2017 CAPITAL OUTLAY/CAPITAL PROJECTS

	APPROVED			Target YTD % 25.2%
	AMENDED	ACTUAL	REMAINING	Y-T-D
DESCRIPTION	FY 2016-2017	7/1/2016	BALANCE/	% OF
DESCRIPTION	BUDGET \$	9/30/2016	(OVER BUDGET)	BUDGET
CAPITAL IMPROVEMENTS - WORK IN PROCESS (WIP)				
AMI Meter Change Out Program	500,000	108	499,892	0.0%
Karen Road Water Main Replacement - CIP	100,000	12,822	87,178	12.8%
Folger Pump Station Demolition - CIP	50,000	1,160	48,840	2.3%
Alameda de las Pulgas Water Main Replacement Project - CIP (A)	700,000	383,539	316,461	54.8%
CAPITAL IMPROVEMENTS - WIP TOTAL	1,350,000	397,629	952,371	29.5%
CAPITAL OUTLAY				
Financial Management System (FMS) - Comprehensive Replacement	95,000	-	95,000	0.0%
Implementation of Sensus Consumer Portal	70,000	3,398	66,602	4.9%
Miscellaneous Capital Outlay/Projects	50,000	-	50,000	0.0%
CAPITAL OUTLAY TOTAL	215,000	3,398	211,602	1.6%
CAPITAL IMPROVEMENTS & CAPITAL OUTLAY TOTAL	1,565,000	401,027	1,163,973	25.6%
DEPRECIATION	950,000	251,435	698,565	26.5%
TRANSFER FROM OPS	631,170	482,513	148,657	76.4%
TRANSFER (TO)/FROM CAPITAL RESERVES	(16,170)	(332,921)	316,751	2058.9%
CAPITAL OUTLAY/CAPITAL PROJECTS	(1,565,000)	(401,027)	(1,163,973)	25.6%
NET RESULTS OF CAPITAL			•	N1/A
NET RESULTS OF CAPITAL	-	(0)	0	N/A

(A) Last month's reporting of

MID-PENINSULA WATER DISTRICT OPERATIONS SUMMARY PREVIOUS YEAR COMPARISON

	Jul - Sep 16 Jul - Sep 15		\$ Change	% Change
Ordinary Income/Expense				
Income				
4000 · OPERATING REVENUE	3,336,025.57	2,830,521.72	505,503.85	17.86%
4100 · INTEREST INCOME	6,693.19	2,753.71	3,939.48	143.06%
4200 · OTHER INCOME	47,176.35	58,588.02	-11,411.67	-19.48%
Total Income	3,389,895.11	2,891,863.45	498,031.66	17.22%
Expense				
6000 · PERSONNEL COSTS	650,907.69	633,307.60	17,600.09	2.78%
6100 · PURCHASED WATER	1,622,316.73	1,312,986.77	309,329.96	6 23.56%
6300 · OUTREACH/EDUCATION	14,794.61	43,449.69	-28,655.08	-65.95%
6400 · M&R - OPS SYSTEMS	74,240.40	92,723.16	-18,482.76	-19.93%
6500 · M&R - FACILITIES & EQUIPMENT	34,711.74	21,892.61	12,819.13	58.56%
6600 · MAJOR MAINTENANCE	0.00	700.00	-700.00	-100.0%
6700 · OFFICE SUPPLIES & EQUIPMENT	67,465.65	68,630.54	-1,164.89	-1.7%
6800 · MEMBERSHIP & GOV FEES	39,678.42	33,126.63	6,551.79	19.78%
6900 · BAD DEBT & CLAIMS	2,206.70	6,582.33	-4,375.63	-66.48%
7000 · UTILITIES	54,899.38	83,942.77 -29,043.39		-34.6%
7100 · PROFESSIONAL SERVICES	96,673.27	147,306.26	-50,632.99	-34.37%
7200 · TRAINING & TRAVEL	4,745.72	4,952.74	-207.02	-4.18%
Total Expense	2,662,640.31	2,449,601.10	213,039.21	8.7%
Net Ordinary Income	727,254.80	442,262.35	284,992.45	64.44%
Other Income/Expense				
Other Expense				
9000 · DEPRECIATION	251,435.18	237,010.41	14,424.77	6.09%
Total Other Expense	251,435.18	237,010.41	14,424.77	6.1%
7302 - RESTRICTED EARNINGS EXPENSE - INTEREST LAIF	-6,693.19	-2,753.71	-3,939.48	-143.1%
Total Restricted Earnings Expense	-6,693.19	-2,753.71	-3,939.48	-143.1%
Net Operating Surplus/(Loss)	482,512.81	208,005.65	274,507.16	132.0%

MID-PENINSULA WATER DISTRICT CONDENSED BALANCE SHEET PREVIOUS YEAR COMPARISON

	30-Sep-16	30-Sep-15	\$ Change	% Change
ASSETS			÷	<u> </u>
CURRENT ASSETS				
Total Checking/Savings	4,322,865.24	3,429,506.71	893,358.53	26.05%
Total Accounts Receivable	1,069,196.94	921,206.76	147,990.18	16.07%
Other Current Assets				
Inventory (A)	0.00	158,736.70	-158,736.70	-100.0%
Other Current Assets	239,156.75	211,888.75	27,268.00	12.87%
Total Other Current Assets	239,156.75	370,625.45	-131,468.70	-35.47%
TOTAL CURRENT ASSETS	5,631,218.93	4,721,338.92	909,880.01	19.27%
FIXED ASSETS				
Fixed Assets	42,013,899.48	41,230,383.68	783,515.80	1.9%
Accumulated Depreciation	-26,015,527.15	-25,090,740.21	-924,786.94	-3.69%
Construction in Progress	1,030,484.98	411,389.13	619,095.85	150.49%
TOTAL FIXED ASSETS	17,028,857.31	16,551,032.60	477,824.71	2.89%
TOTAL OTHER ASSETS	219,777.55	203,461.00	16,316.55	8.02%
TOTAL ASSETS	22,879,853.79	21,475,832.52	1,404,021.27	6.54%
LIABILITIES & EQUITY LIABILITIES				
CURRENT LIABILITIES		~~~~~~~~		1= 000/
Total Accounts Payable Total Other Current Liabilities (B)	162,246.37	299,835.89	-137,589.52	-45.89%
	962,398.55	603,649.56	358,748.99	59.43%
TOTAL CURRENT LIABILITIES	1,124,644.92	903,485.45	221,159.47	24.48%
TOTAL LONG TERM LIABILITIES (B)	1,346,892.00	1,122,799.45	224,092.55	19.96%
TOTAL LIABILITIES	2,471,536.92	2,026,284.90	445,252.02	21.97%
EQUITY				
3000 · Opening Bal Equity	0.00	144.00	-144.00	-100.0%
3800 · RESERVES *	4,055,161.46	3,389,457.38	665,704.08	19.64%
3940 · Fund Balance Invest in Ut Plant	16,823,236.31	16,552,220.10	271,016.21	1.64%
Net Assets (B)	-470,080.90	-492,273.86	22,192.96	4.51%
TOTAL EQUITY	20,408,316.87	19,449,547.62	958,769.25	4.93%
TOTAL LIABILITIES & EQUITY	22,879,853.79	21,475,832.52	1,404,021.27	6.54%
				Budget for
	Balance @ Sep 2014	Balance @ Sep 2015	Balance @ Sep 2016	Reserve Policy
* RESERVES				
Capital Reserves	1,879,466	889,457	1,555,161	2,500,000
Emergency Reserves	2,000,000	2,000,000	2,000,000	2,000,000
Working Capital Reserves	500,000	500,000	500,000	500,000
TOTAL RESERVE FUNDS	4,379,466	3,389,457	4,055,161	5,000,000

(A) Change in Capitalization/Inventory Policy. Inventory less than \$5,000 were expensed last fiscal year.(B) CalPERS Net Pension Liability - GASB 68 requirement.