

**MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**
Jointly with the
ADMINISTRATION & FINANCE COMMITTEE
February 10, 2016, 8:30 a.m.
MWDOC Conference Room 101

Committee:

Director Thomas, Chairman
Director J. Finnegan
Director Osborne

Staff: R. Hunter, K. Seckel, C. Harris,
K. Davanaugh, H. Chumpitazi

Ex Officio Member: W. Osborne

MWDOC Committee meetings are noticed and held as joint meetings of the Committee and the entire Board of Directors and all members of the Board of Directors may attend and participate in the discussion. Each Committee has designated Committee members, and other members of the Board are designated alternate committee members. If less than a quorum of the full Board is in attendance, the Board meeting will be adjourned for lack of a quorum and the meeting will proceed as a meeting of the Committee with those Committee members and alternate members in attendance acting as the Committee.

PUBLIC COMMENTS - Public comments on agenda items and items under the jurisdiction of the Committee should be made at this time.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED - Determine there is a need to take immediate action on item(s) and that the need for action came to the attention of the District subsequent to the posting of the Agenda. (Requires a unanimous vote of the Committee)

ITEMS DISTRIBUTED TO THE BOARD LESS THAN 72 HOURS PRIOR TO MEETING --

Pursuant to Government Code section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection in the lobby of the District's business office located at 18700 Ward Street, Fountain Valley, California 92708, during regular business hours. When practical, these public records will also be made available on the District's Internet Web site, accessible at <http://www.mwdoc.com>.

PROPOSED BOARD CONSENT CALENDAR ITEMS

1. TREASURER'S REPORT
 - a. Revenue/Cash Receipt Report – January 2016
 - b. Disbursement Approval Report for the month of February 2016
 - c. Disbursement Ratification Report for the month of January 2016
 - d. GM Approved Disbursement Report for the month of January 2016
 - e. Water Use Efficiency Projects Cash Flow – January 31, 2016
 - f. Consolidated Summary of Cash and Investment – December 2015
 - g. OPEB Trust Fund monthly statement (to be emailed)

2. FINANCIAL REPORT
 - a. Combined Financial Statements and Budget Comparative for the period ending December 31, 2015
 - b. Quarterly Budget Review

ACTION ITEM

3. STANDING COMMITTEE AND AD HOC COMMITTEE APPOINTMENTS FOR 2016; SCHEDULE OF COMMITTEE MEETING DATES FOR 2016
4. ASSOCIATION AND COMMISSION APPOINTMENTS FOR 2016
5. RESTATEMENT OF MONEY PURCHASE PENSION PLAN
6. 2015-2016 VALUE OF WATER CHOICE COMMUNICATIONS PLAN
7. 2015-2016 CONSUMER CONFIDENCE REPORTS

DISCUSSION ITEM

8. UPDATE ON MWDOC'S RATE STUDY

INFORMATION ITEMS – (THE FOLLOWING ITEMS ARE FOR INFORMATIONAL PURPOSES ONLY – BACKGROUND INFORMATION IS INCLUDED IN THE PACKET. DISCUSSION IS NOT NECESSARY UNLESS REQUESTED BY A DIRECTOR.)

9. REBATE PROGRAM – 1099 UPDATE
10. LEGAL AND PROFESSIONAL SERVICES OPEN PURCHASE ORDERS
11. CONCEPTUAL FY 2016-17 BUDGET REVIEW
12. SEMI-ANNUAL DIRECTORS ACTIVITIES REPORT
13. SEMI-ANNUAL OVERTIME REPORT
14. ANNUAL AUTO ALLOWANCE REPORT
15. ANNUAL REVIEW OF COASTAL MUNICIPAL WATER DISTRICT ISSUES
16. MONTHLY WATER USAGE DATA, TIER 2 PROJECTION & WATER SUPPLY INFO
17. DEPARTMENT ACTIVITIES REPORTS
 - a. Administration
 - b. Finance and Information Technology

OTHER ITEMS

18. REVIEW ISSUES REGARDING DISTRICT ORGANIZATION, PERSONNEL MATTERS, EMPLOYEE BENEFITS FINANCE AND INSURANCE

ADJOURNMENT

NOTE: At the discretion of the Committee, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated, and may be subject to action by the Committee. On those items designated for Board action, the Committee reviews the items and makes a recommendation for final action to the full Board of Directors; final action will be taken by the Board of Directors. Agendas for Committee and Board meetings may be obtained from the District Secretary. Members of the public are advised that the Board consideration process includes consideration of each agenda item by one or more Committees indicated on the Board Action Sheet. Attendance at Committee meetings and the Board meeting considering an item consequently is advised.

Accommodations for the Disabled. Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning Maribeth Goldsby, District Secretary, at (714) 963-3058, or writing to Municipal Water District of Orange County at P.O. Box 20895, Fountain Valley, CA 92728. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that District staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the District to provide the requested accommodation.

Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
January 2016

WATER REVENUES

Date	From	Description	Amount
01/08/16	City of San Clemente	November 2015 Water deliveries	527,379.73
01/11/16	City of Seal Beach	November 2015 Water deliveries	10,559.73
01/11/16	El Toro Water District	November 2015 Water deliveries	537,423.92
01/11/16	South Coast Water District	November 2015 Water deliveries	399,051.05
01/12/16	East Orange County Water District	November 2015 Water deliveries	303,842.67
01/12/16	City of Garden Grove	November 2015 Water deliveries	556,027.58
01/13/16	Santiago Aqueduct Commission	November 2015 Water deliveries	115,236.00
01/13/16	City of Westminster	November 2015 Water deliveries	185,959.63
01/14/16	Laguna Beach County Water District	November 2015 Water deliveries	283,782.04
01/14/16	City of Orange	November 2015 Water deliveries	384,129.12
01/15/16	Santa Margarita Water District	November 2015 Water deliveries	1,841,546.37
01/15/16	Orange County Water District	November 2015 Water deliveries	3,308,646.57
01/15/16	Trabuco Canyon Water District	November 2015 Water deliveries	18,155.68
01/15/16	City of Newport Beach	November 2015 Water deliveries	224,310.96
01/15/16	Irvine Ranch Water District	November 2015 Water deliveries	752,359.35
01/15/16	Moulton Niguel Water District	November 2015 Water deliveries	1,919,931.07
01/15/16	Yorba Linda Water District	November 2015 Water deliveries	546,348.60
01/15/16	Golden State Water Company	November 2015 Water deliveries	344,660.48
01/15/16	Mesa Water	November 2015 Water deliveries	53,753.60
01/25/16	City of San Juan Capistrano	December 2015 Water deliveries	271,492.95
01/29/16	Trabuco Canyon Water District	December 2015 Water deliveries	18,155.68
01/29/16	City of Huntington Beach	December 2015 Water deliveries	192,427.90
01/29/16	City of San Clemente	December 2015 Water deliveries	498,232.40
01/29/16	City of Brea	December 2015 Water deliveries	86,325.91

TOTAL REVENUES \$ 13,379,738.99

Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
January 2016

MISCELLANEOUS REVENUES

Date	From	Description	Amount
01/11/16	Best, Best & Krieger	1/22/16 Water Policy dinner	80.00
01/19/16	Buena Park	1/22/16 Water Policy dinner	320.00
01/19/16	Seal Beach	1/22/16 Water Policy dinner	160.00
01/21/16	Cucamonga Valley Water District	1/22/16 Water Policy dinner	80.00
01/25/16	Cash	1/22/16 Water Policy dinner	260.00
01/25/16	5 Checks	1/22/16 Water Policy dinner	485.00
01/25/16	Joey Soto	1/22/16 Water Policy dinner	80.00
01/25/16	Laguna Beach County Water District	1/22/16 Water Policy dinner	640.00
01/27/16	Lewis Consulting	1/22/16 Water Policy dinner	90.00
01/27/16	City of Laguna Woods	1/22/16 Water policy dinner	80.00
01/27/16	Santa Margarita Water District	1/22/16 Water policy dinner	640.00
01/28/16	Paypal	1/22/16 Water Policy dinner	4,969.53
01/28/16	Paypal	ISDOC Registrations	392.66
01/19/16	Joan Finnegan	Oct-Dec 2015 Director's Insurance contribution	330.00
01/19/16	Susan Hinman	Oct-Dec 2015 Director's Insurance contribution	320.73
01/04/16	Phil Letrong	Jan-Mar 2016 Retiree insurance premium	87.57
01/21/16	Judy Pfister	Jan-Mar 2016 Retiree insurance premium	103.05
01/21/16	Lee Jacobi	Jan-Dec 2016 Retiree insurance premium	350.28
01/11/16	3 Checks	Movie tickets	272.00
01/25/16	Judy Rae Karlsen	Movie tickets	17.00
01/29/16	County of Orange	Reimbursement for CESA Annual Training & Conference - Kelly Hubbard and Brandon Stock	3,535.25
01/25/16	City of Fountain Valley	Disaster Cost Recovery Training registration	125.00
01/29/16	Darcy Burke	February 2016 COBRA Insurance premium	1,293.82
01/07/16	Bureau of Reclamation	Final Report Water Efficient Site Certification and Smart Timer rebate program	51,543.38
01/19/16	City of Buena Park	FY 15-16 Choice Programs Billing Invoice	27,425.89
01/21/16	Irvine Ranch Water District	FY 15-16 Choice Programs Billing Invoice	164,499.90
01/22/16	City of Tustin	FY 15-16 Choice Programs Billing Invoice	32,778.91
01/29/16	City of Huntington Beach	FY 15-16 Choice Programs Billing Invoice	87,352.56
01/27/16	Irvine Ranch Water District	Jul-Aug 2015 Smart Timer rebate program	2,367.16
01/04/16	El Toro Water District	November 2015 Smart Timer rebate program	75.00
01/08/16	City of Huntington Beach	November 2015 Smart Timer rebate program	234.98
01/11/16	City of Orange	November 2015 Smart Timer rebate program	4,721.79
01/11/16	Serrano Water District	November 2015 Smart Timer rebate program	19.96
01/13/16	City of Westminster	November 2015 Smart Timer rebate program	75.00
01/15/16	City of Fullerton	November 2015 Smart Timer rebate program	70.92
01/15/16	Trabuco Canyon Water District	November 2015 Smart Timer rebate program	75.00
01/19/16	City of Fountain Valley	November 2015 Smart Timer rebate program	75.00
01/19/16	South Coast Water District	November 2015 Smart Timer rebate program	150.00
01/25/16	Mesa Water	November 2015 Smart Timer rebate program	756.24
01/12/16	City of Newport Beach	September 2015 Turf Removal rebate program	2,004.36
01/04/16	Golden State Water Company	October 2015 Turf Removal rebate program	3,885.00
01/14/16	City of Garden Grove	October 2015 Turf Removal rebate program	1,778.48
01/21/16	Irvine Ranch Water District	October 2015 Turf Removal rebate program	4,749.52
01/07/16	Laguna Beach County Water District	November 2015 Turf Removal rebate program	10,556.64
01/21/16	City of La Habra	November 2015 Turf Removal rebate program	194.00
01/25/16	City of San Juan Capistrano	November 2015 Turf Removal rebate program	1,978.22
01/22/16	City of San Clemente	June 2015 Smart Timer and Turf Removal rebate program	4,353.25
01/12/16	City of Newport Beach	August 2015 Smart Timer and Turf Removal rebate program	4,456.23
01/04/16	Golden State Water Company	November 2015 Smart Timer and Turf Removal rebate program	5,386.40
01/14/16	City of Garden Grove	November 2015 Smart Timer and Turf Removal rebate program	1,653.30
01/15/16	City of Brea	November 2015 Smart Timer and Turf Removal rebate program	1,120.00
01/19/16	City of Buena Park	November 2015 Smart Timer and Turf Removal rebate program	1,508.00
01/19/16	Yorba Linda Water District	November 2015 Smart Timer and Turf Removal rebate program	1,066.93
01/29/16	City of Tustin	November 2015 Smart Timer and Turf Removal rebate program	12,815.67
01/21/16	Santa Margarita Water District	November 2015 Smart Timer and Rotating Nozzle rebate program	1,321.43
01/11/16	Moulton Niguel Water District	November 2015 Smart Timer, Rotating Nozzle & Turf Removal rebate program	194,700.53

Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
January 2016

MISCELLANEOUS REVENUES

Date	From	Description	Amount
01/19/16	Moulton Niguel Water District	July 2015 So Cal Watersmart Residential rebate program	62,265.00
01/21/16	Irvine Ranch Water District	Sep-Oct 2015 So Cal Watersmart Residential rebate program	125,902.74
01/19/16	El Toro Water District	November 2015 So Cal Watersmart Residential rebate program	200.00
01/25/16	Golden State Water Company	November 2015 So Cal Watersmart Residential rebate program	550.00
01/25/16	Moulton Niguel Water District	November 2015 So Cal Watersmart Residential rebate program	14,380.95
01/27/16	Irvine Ranch Water District	November 2015 So Cal Watersmart Residential rebate program	14,236.40
01/27/16	Santa Margarita Water District	November 2015 So Cal Watersmart Residential rebate program	2,950.00
01/29/16	Trabuco Canyon Water District	November 2015 So Cal Watersmart Residential rebate program	750.00
01/13/16	Irvine Ranch Water District	November 2015 So Cal Watersmart Commercial rebate program	53,600.00
01/13/16	Irvine Ranch Water District	October 2015 Landscape Performance Certification program	900.00
01/11/16	Department of Water Resources	May-Jul 2015 OWOW Invoice #4	4,226.25
01/25/16	City of Fountain Valley	2015 Urban Water Management Plan Contract - Arcadis	42,370.00
01/22/16	City of Fullerton	WEROC Funding for FY 2015-2016	10,777.00
01/25/16	Orange County Sanitation District	WEROC Funding for FY 2015-2016	27,795.00
01/25/16	SOCWA	WEROC Funding for FY 2015-2016	10,777.00
01/27/16	Orange County Water District	WEROC Funding for FY 2015-2016	70,904.00

TOTAL MISCELLANEOUS REVENUES \$ 1,083,045.88

TOTAL REVENUES \$ 14,462,784.87



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of February 2016**

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
Core Expenditures:		
	Richard Ackerman	
1094	January 2016 Legal consulting on water policy issues	1,800.00
	*** Total ***	1,800.00
	Aleshire & Wynder LLP	
36202	January 2016 Legal services	519.79
	*** Total ***	519.79
	ALTA FoodCraft	
515121915	12/28/15 Coffee & tea supplies	316.26
	*** Total ***	316.26
	Arcadis US, Inc.	
0763834	December 2015 Services for development of Urban Water Management plan	64,453.16
	*** Total ***	64,453.16
	Awards & Trophies	
13923	Etching for 1/22/16 Water Policy Dinner speaker gift	30.00
	*** Total ***	30.00
	Best Best and Krieger LLP	
55401-DEC15	11/24/15-12/31/15 Legal services	14,266.18
	*** Total ***	14,266.18
	California Special District Association	
352-2016	2016 Annual membership renewal	6,089.00
	*** Total ***	6,089.00
	Carl Markham Signs & Graphics	
14-178	Re-letter 6 plaques	103.36
	*** Total ***	103.36
	CDM Smith	
80544523/13	11/29/15-1/2/16 Engineering services for Water Reliability Investigation	24,049.50
	*** Total ***	24,049.50
	CommunicationsLAB	
10233_16	Videography services for 1/22/16 Water Policy Dinner	1,135.00
	*** Total ***	1,135.00
	CSU Fullerton ASC	
AR164894	3rd Quarter FY 15/16 CDR Support	9,934.88
	*** Total ***	9,934.88

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of February 2016**

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	<i>Finley & Cook</i>	
SI0013535	January 2016 Software enhancement services	555.00
	*** Total ***	555.00
	<i>Immersiv Media, Inc.</i>	
-017(MWDOC2015)	January-March 2016 Website hosting and maintenance	525.00
	*** Total ***	525.00
	<i>Independent Special Dist of OC</i>	
2016	2016 Annual membership renewal	200.00
012816-JAN16	January 2016 PayPal receipts for 1/28/16 meeting	392.66
012816	1/28/16 Meeting registration for Directors Barbre, Finnegan and Osborne	51.00
	*** Total ***	643.66
	<i>James C. Barker, P.C.</i>	
105-0116	January 2016 Federal legislative advocacy services	8,000.00
	*** Total ***	8,000.00
	<i>Lewis Consulting Group, LLC</i>	
2016-105	January 2016 Consulting services	4,312.50
	*** Total ***	4,312.50
	<i>Edward G. Means III</i>	
MWDOC-1035	December 2015-January 2016 Support on MET issues and strategic guidance to Engineering department	312.50
	*** Total ***	312.50
	<i>Office Solutions</i>	
I-00890000	1/11/16 Office supplies	774.99
I-00892214	1/14/16 Office supplies	6.48
I-00894650	1/14/16 Office supplies	70.19
I-00893627	1/15/16 Office supplies	119.05
I-00897567	1/22/16 Office supplies	78.36
I-00901946	1/29/16 Office supplies	596.05
I-00903690	2/3/16 Office supplies	513.00
	*** Total ***	2,158.12
	<i>Orange County Fast Print</i>	
52235	1,000 Business card printed M. Baum-Haley and A. Kanzler	108.00
52250	1,000 Business card printed Directors Dick and Osborne	108.00
	*** Total ***	216.00
	<i>Orange County Water District</i>	
15838	December 2015 50% of WACO expenses	230.49
15867	December 2015 Postage, shared office and maintenance expense	8,436.49
	*** Total ***	8,666.98

Municipal Water District of Orange County
Disbursement Approval Report
For the month of February 2016

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	<i>Patricia Kennedy Inc.</i>	
20699	February 2016 Plant maintenance	214.00
	*** Total ***	214.00
	<i>Petty Cash</i>	
0131/16	November 2015-January 2016 Petty Cash reimbursement	164.94
	*** Total ***	164.94
	<i>Raftelis Financial Consultants</i>	
OCCA1512-01.	December 2015 Services for Rate Study	2,900.00
	*** Total ***	2,900.00
	<i>Top Hat Productions</i>	
91280	1/21/2016 Lunch for Managers' Reliability Workgroup meeting	451.98
	*** Total ***	451.98
	<i>The Westin South Coast Plaza</i>	
18553-010916	1/9/16 Special offsite Board meeting facility and food	1,900.48
MA22AA-012216	1/22/16 Water Policy Dinner banquet facilities	15,994.19
	*** Total ***	17,894.67
	<i>Total Core Expenditures</i>	<hr/> 169,712.48

Choice Expenditures:

	<i>Chambers Group Inc.</i>	
30403	December 2015 Baseline environmental monitoring for Doheny Ocean Desal project	2,742.75
30469	January 2016 Baseline environmental monitoring for Doheny Ocean Desal project	9,073.50
	*** Total ***	11,816.25
	<i>Orange County Dept. of Education</i>	
94JI2436	August-December 2015 Water Education High School program	40,000.00
	*** Total ***	40,000.00
	<i>Orange County Register</i>	
0061990003-DEC15	December 2015 Value of Water page for 2 weeks	12,000.00
	*** Total ***	12,000.00
	<i>Top Hat Productions</i>	
91321	2/4/16 Lunch for Water Use Efficiency Workgroup meeting	532.44
	*** Total ***	532.44
	<i>Total Choice Expenditures</i>	<hr/> 64,348.69

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of February 2016**

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
Other Funds Expenditures:		
	<i>AquaFicient Consulting</i>	
03-004	November 2015 Landscape Performance Certification program funded by IRWD & MET	1,800.00
	*** Total ***	1,800.00
	<i>El Toro Water District</i>	
ETWD-006-009	June-September 2015 United Mutual-Laguna Woods Village Toilet Replacement program-727 HETs	62,993.38
	*** Total ***	62,993.38
	<i>Laguna Beach County Water District</i>	
LB151601	September 2015-January 2016 Rain Barrel Distribution program	4,500.00
	*** Total ***	4,500.00
	<i>Mission RCD</i>	
1922	December 2015 Field verifications for Water Use Efficiency rebate programs	30,035.04
	*** Total ***	30,035.04
	<i>Raymond Riordan</i>	
011916	March 2014-June 2015 Reimbursement for CalWARN web hosting	450.00
	*** Total ***	450.00
	<i>Total Other Funds Expenditures</i>	<hr/> 99,778.42
	<i>Total Expenditures</i>	<hr/> <hr/> 333,839.59

**Municipal Water District of Orange County
Disbursement Ratification Report
For the month of January 2016**

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
Core Disbursements:				
131324	1/12/16	TIMEWA	Time Warner Cable	
		5210-JAN16	January 2016 Telephone and internet expense	1,280.33
		3564-JAN16	January 2016 Telephone expense for 4 analog fax lines	143.30
			***Total ***	1,423.63
131325	1/12/16	VERIZO	Verizon Wireless	
		9757762667	December 2015 4G Mobile broadband unlimited service	76.02
			***Total ***	76.02
131326	1/15/16	ACKEEX	Linda Ackerman	
		123115	December 2015 Business expense	32.20
			***Total ***	32.20
131329	1/15/16	C3OFFI	C3 Office Solutions LLC	
		INV46190	January 2016 Canon copier maintenance	262.13
			***Total ***	262.13
131331	1/15/16	DELAGE	De Lage Landen Public Finance	
		48312752	January 2016 Canon copier lease	509.00
			***Total ***	509.00
131333	1/15/16	HOMED1	Home Depot Credit Services	
		7785-DEC15	12/18/15 Office supplies	87.48
			***Total ***	87.48
131335	1/15/16	IRONMO	Iron Mountain	
		MDP5423	January 2016 Storage/retrieval of archived document	447.31
			***Total ***	447.31
131336	1/15/16	LYONKE	Keith Lyon	
		123115	November 2015 Business expense	29.79
			***Total ***	29.79
131338	1/15/16	OSBORN	Wayne S. Osborne	
		123115	December 2015 Business expense	221.20
			***Total ***	221.20
131349	1/15/16	TAMARI	Satoru Tamaribuchi	
		123115	December 2015 Business expense	235.79
			***Total ***	235.79
131352	1/15/16	VOLZKE	Jonathan Volzke	
		122115	November-December 2015 Business expense	159.41
			***Total ***	159.41

**Municipal Water District of Orange County
Disbursement Ratification Report
For the month of January 2016**

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
ACH001819	1/15/16	BERGJO	Joseph Berg	
		123115	December 2015 Business expense	83.07
			***Total ***	83.07
ACH001820	1/15/16	CHUMPI	Hilary Chumpitazi	
		123115	December 2015 Business expense	132.78
			***Total ***	132.78
ACH001821	1/15/16	DICKEX	Larry Dick	
		123115	December 2015 Business expense	111.58
			***Total ***	111.58
ACH001823	1/15/16	FINNEG	Joan Finnegan	
		123115	December 2015 Business expense	66.70
			***Total ***	66.70
ACH001826	1/15/16	HINMAN	Susan Hinman	
		123115	December 2015 Business expense	326.92
			***Total ***	326.92
131888	1/29/16	C3OFFI	C3 Office Solutions LLC	
		INV46353	Canon staple cartridge type G1	169.84
			***Total ***	169.84
131897	1/29/16	USBANK	U.S. Bank	
		5783/6533-DEC15	11/23/15-12/22/15 Cal Card charges	6,843.70
			***Total ***	6,843.70
			(See attached sheet for details)	
ACH001840	1/29/16	BACATI	Tiffany Baca	
		011616	December 2015-January 2016 Business expense	174.65
			***Total ***	174.65
ACH001843	1/29/16	LOEWEN	Laura Loewen	
		010616	January 2016 Business expense	15.66
			***Total ***	15.66
ACH001845	1/29/16	THOMAS	Jeffery Thomas	
		123115	December 2015 Business expense	195.50
			***Total ***	195.50
Total Core Disbursements				11,604.36

Municipal Water District of Orange County
Disbursement Ratification Report
For the month of January 2016

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
Choice Disbursements:				
131896	1/29/16	SDGE 49159257768-JAN16	San Diego Gas and Electric 12/20/15-1/20/16 Electrical service for Doheny Ocean Desal project ***Total ***	202.49 202.49
131897	1/29/16	USBANK 5783-DEC15	U.S. Bank 11/24/15-12/22/15 Cal Card charges ***Total *** (See attached sheet for details)	104.16 104.16
Total Choice Disbursements				306.65
Other Funds Disbursements:				
131323	1/12/16	ATTEOC 8200-DEC15 4492-DEC15 0532-DEC15	AT&T December 2015 WEROC N. EOC telephone expense December 2015 WEROC S. EOC telephone expense December 2015 WEROC N. EOC dedicated phone line ***Total ***	179.46 244.84 64.19 488.49
131328	1/15/16	ATTUVEOC 8599-JAN16	AT&T January 2016 WEROC N. EOC U-verse internet service ***Total ***	45.00 45.00
131340	1/15/16	DRIPPR S2D-IRWD-3810	Spray to Drip Program J. Long	350.00
131341	1/15/16	S2D-MNWD-3717	D. McElhaney	454.80
131342	1/15/16	S2D-MNWD-3082	D. Fletcher	681.40
131343	1/15/16	S2D-MNWD-3791	M. Shore	175.60
131344	1/15/16	S2D-SMWD-3749	S. Day	186.18
131345	1/15/16	S2D-SMWD-3786	C. Hammer	135.97
131346	1/15/16	S2DC-NBCH-2030	St. Michael's All Angels Church (Corona Del Mar)	7,644.65
131347	1/15/16	S2DC-SCWD-4261	Lantern Bay Villas (Dana Point) ***Total ***	719.70 10,348.30
ACH001819	1/15/16	BERGJO 123115	Joseph Berg December 2015 Business expense ***Total ***	4.50 4.50
ACH001837	1/15/16	STOCKB 123115	Brandon Stock December 2015 Business expense ***Total ***	94.24 94.24

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Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
	1/20/16	TURFRP	Turf Removal Program	
131354		TR5W-LH-4071	K. La Counte	628.00
131355		TR5W-ETWD-4030	D. Hewko	920.00
131356		TR6-YLWD-6504-20401	J. LaCommare	1,004.00
131357		TR5W-GSWC-4596	J. Jung	912.00
131358		TR5W-MNT-5459	M. Shiang	7,285.00
131359		TR5W-MNT-4259	J. Chevallier	2,400.00
131360		TR6-SC-7614-2919	S. Parker	1,416.00
131361		TR5W-MNT-5966	P. Brown	5,240.00
131362		TR5W-MNT-4543	Ventana at Tustin Ranch HOA (Tustin Ranch)	5,730.00
131363		TR5W-GSWC-5447	F. O'Reilly	6,854.00
131364		TR6-SWD-8744-18131	W. Berberich	640.00
			***Total ***	33,029.00
	1/21/16	TURFRP	Turf Removal Program	
131365		TR5W-BREA-5350	P. Stewart	3,370.00
131366		TR5W-BREA-5900	S. Stephens	1,546.00
131367		TR6-BREA-6507-301	P. Lo	1,156.00
131368		TR6-BREA-8753-280	N. Farris	940.00
131369		TR5W-BP-4179	S. Porteneuve	1,855.14
131370		TR5W-BP-4732	H. Pooni	6,144.00
131371		TR5-FV-026	M. Lacy	2,742.00
131372		TR6-FV-8885-10417	T. Nguyen	1,188.00
131373		TR5W-GG-3471	D. Blair	3,040.17
131374		TR5W-GG-6054	R. Arens	3,450.00
131375		TR6-GG-8064-12542	H. Bui	1,780.00
131376		TR5W-HB-5518	J. Lane	396.00
131377		TR6-HB-7589-214	S. Stephan	780.00
131378		TR6-HB-8670-7615	S. White	1,376.00
131379		TR6-LH-6567-311	R. Poppin	2,864.00
131380		TR5-O-087	R. Kent	1,940.00
131381		TR5-O-092	E. Archibald	1,476.00
131382		TR5-O-094	J. Munger	2,514.00
131383		TR5W-O-3515	L. Bishop	4,100.00
131384		TR5W-O-4087	W. Alvord	920.00
131385		TR5W-O-4479	B. Tanner	880.00
131386		TR5W-O-4536	K. Meredith	2,794.00
131387		TR5W-O-5286	D. Hershfield	2,258.00
131388		TR5W-O-5285	C. Brant	2,824.00
131389		TR5W-O-5501	F. or L. Ramirez	6,848.00
131390		TR5W-O-5969	D. Helsel	2,248.00
131391		TR6-O--16780	R. Glaze	1,558.00
131392		TR6-O-8112-2315	R. MacDonald	830.00
131393		TR5W-SC-4485	F. Tavassol Kashani	1,708.00
131394		TR5W-SC-6011	P. Onken	534.00
131395		TR6-SB-6199-4564	S. Torbati	760.00
131396		TR6-SB-6508-3560	K. Tran	3,560.00
131397		TR5W-TUST-4609	L. Do	4,102.00
131398		TR6-TUST-6595-1201	B. Tran	4,554.00

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131399	1/21/16	TR6-TUST-8695-310	M. Demoratz	7,683.00
131400		TR5W-WEST-5927	J. Hill	872.00
131401		TR6-WEST-8956-5111	B. Boden	3,380.00
131402		TR5W-GSWC-4013	J. Tuchscher	1,488.00
131403		TR6-GSWC-6919-12061	G. Conlisk	226.34
131404		TR6-GSWC-7169-9879	V. Wendelstadt	756.00
131405		TR6-GSWC-8294-10455	I. Clark	2,466.00
131406		TR5W-IRWD-4042D	UC Regents (Irvine)	21,000.00
131407		TR5W-IRWD-4771	UC Regents (Irvine)	68,023.00
131408		TR5W-IRWD-4571	J. Wilkinson	1,600.00
131409		TR5W-IRWD-4949	W. Cuevas	1,168.00
131410		TR5W-IRWD-5252	C. Courtney	4,438.00
131411		TR5W-IRWD-5484	M. Pickrel	1,006.00
131412		TR5W-IRWD-5677	N. Iriye	1,240.00
131413		TR6-IRWD-7733-24836	J. Mucha	2,022.00
131414		TR6-IRWD-8723-13	M. Neben	914.00
131415		TR6-IRWD-8764-6	B. Chang	652.00
131416		TR6-IRWD-8856-25311	R. Ferrer	2,422.00
131417		TR6-IRWD-9104-22025	P. Olson	2,552.00
131418		TR5-LB-031	H. Reiss	1,974.00
131419		TR5W-BREA-3857B	C. Thorum	219.47
131420		TR5W-LB-5034	T. Dearing	1,868.99
131421		TR6-LB-6704-229	J. Herdman	1,728.00
131422		TR5W-MNT-3567	MCM LLC (Laguna Niguel)	61,390.00
131423		TR5-MNT-247	J. DiMaria	12,050.00
131424		TR5-MNT-251	W. and M. McGinley	8,960.00
131425		TR5-MNT-263	G. Hicks	6,310.00
131426		TR5W-MNT-3850	R. Covarrubias	6,356.00
131427		TR5W-MNT-4034	S. Azarkia	6,372.50
131428		TR5W-MNT-4045	B. Nickell	1,560.00
131429		TR5W-MNT-4047D	T. Rakow	2,120.00
131430		TR5W-MNT-4198	Z. Foster	3,885.00
131431		TR5W-MNT-4603	K. Chelf	16,590.00
131432		TR5W-MNT-5001	H. Ortiz	3,923.50
131433		TR5W-MNT-5118	B. Farahmand	1,520.00
131434		TR5W-MNT-5652	D. Upton	9,615.00
131435		TR5W-MNT-5683	T. Chow	7,990.00
131436		TR5W-MNT-5749	D. Lockwood	3,700.00
131437		TR5W-MNT-5910	N. Kneizeh	2,576.00
131438		TR5W-MNT-5992	R. Meissner	2,950.00
131439		TR6-MNT-6121-29422	J. Lovegreen	3,900.00
131440		TR6-MNT-6155-25122	J. Portnoff Tullis	17,073.00
131441		TR6-MNT-6225-24311	R. Parada	1,295.00
131442		TR6-MNT-6392-3	G. Maeda	1,380.00
131443		TR6-MNT-6802-24002	K. O'Reilly	5,810.00
131444		TR6-MNT-6910-18	M. Dejong	2,055.00
131445		TR6-MNT-7047-24801	H. Abrams	5,180.00
131446		TR6-MNT-7343-25362	G. Hopkins	4,825.00
131447		TR6-MNT-8974-26402	B. Knudson	1,655.00

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131448	1/21/16	TR6-SM-6242-11	L.F. Maintenance Corp (Rancho Santa Margarita)	4,200.00
131449		TR6-SM-7572-28	Coto De Caza Terrace HOA (Coto De Caza)	6,729.00
131450		TR6-SM-7580-20	Coto De Caza Terrace HOA (Coto De Caza)	6,020.00
131451		TR6-SM-7584-2	Coto De Caza Terrace HOA (Coto De Caza)	10,500.00
131452		TR6-SM-7590-2	Coto De Caza Terrace HOA (Coto De Caza)	3,794.00
131453		TR5W-SM-4008	N. Douglass	2,876.00
131454		TR5W-SM-4963	R. Lieber	1,366.00
131455		TR6-SM-10372-17	C. Barrie	560.00
131456		TR6-SM-10564-38	B. Bieker	1,278.00
131457		TR6-SM-6313-26	G. Sherman	774.00
131458		TR6-SM-6337-68	B. Constable	1,060.00
131459		TR6-SM-7490-2	A. Butler	3,416.00
131460		TR6-SM-7980-15	J. Kim	2,464.00
131461		TR6-SM-9190-22	D. Vyas	2,410.00
131462		TR6-SM-9351-1	G. Addy	2,302.00
131463		TR6-SM-9666-10	J. Lindblad	2,472.00
131464		TR6-SM-9683-43	S. Spellman	454.00
131465		TR5W-TC-4071	C. Dodge	2,400.00
131466		TR5W-TC-4730	M. Cordova	1,205.64
131467		TR6-TC-7592-32692	R. Hatter	1,450.00
131468		TR6-TC-9625-32831	M. Rode	2,240.00
131469		TR5W-YLWD-4050	D. Harvey	806.00
131470		TR5W-YLWD-5920	L. Tamres	6,000.00
131471		TR5W-YLWD-4760	R. Baudisch	6,574.00
131472		TR6-YLWD-10075-17480	G. DeLand	1,170.00
131473		TR6-YLWD-6092-20320	A. Hurly	5,926.00
131474		TR6-YLWD-7256-3475	W. Amend	318.50
131475		TR6-YLWD-7411-5690	J. Brewer	1,926.88
131476		TR6-YLWD-7925-27160	T. Copenhaver	2,378.00
131477		TR6-YLWD-8581-4751	D. Gilmour	4,320.00
131478		TR5W-BREA-3340	Suzuki Motor of America (Brea)	597,520.00
131479		TR6-BREA-9792-226	D. Hole	3,324.00
131480		TR5W-BP-5021	G. Shroff	600.00
131481		TR5W-BP-5360	R. StPaul	1,222.87
131482		TR5W-GSWC-3198	G. Bickel	1,090.00
131483		TR5W-GSWC-5619	M. Lewis	1,800.00
131484		TR5W-GSWC-5671	W. Mackay	1,624.23
131485		TR6-GSWC-8551-8198	B. Villa	2,662.00
131486		TR5W-GG-5861	J. Michael	358.00
131487		TR6-GG-8098-13151	B. Dorr	2,214.00
131488		TR6-HB-6485-21081	J. Hamilton	820.00
131489		TR6-TC-6423-9060	Robinson Ranch Community Association (Irvine)	10,000.00
131490		TR5W-LP-4475	M. Miller	572.00
131491		TR5W-O-4112	Technical Screen Printing Inc. (Orange)	1,338.00
131492		TR5-O-085	C. Summo	1,722.00
131493		TR5W-O-5740	M. Huizar	2,110.00
131494		TR6-O-8105-4644	M. Rowe	1,062.00
131495		TR6-SC-10172-319	T. Lee	552.00
131496		TR5W-TUST-4236	R. McPherson	3,447.00

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131497	1/21/16	TR5W-TUST-4540	B. Greenberg	7,984.00
131498		TR6-TUST-9789-14921	S. Lawson	2,478.00
131499		TR5W-WEST-5892	H. Huynh	6,000.00
131500		TR5W-IRWD-5550	K. Batey	1,210.00
131501		TR5W-IRWD-5901	H. Hotchkiss	858.00
131502		TR6-IRWD-10310-12835	K. Musitelli	680.00
131503		TR6-IRWD-10503-24861	J. Richert	782.00
131504		TR6-IRWD-10637-2202	A. Peters	1,684.00
131505		TR6-IRWD-7306-1	D. Verdecia	2,727.00
131506		TR6-IRWD-8420-2933	F. Foroutan	660.00
131507		TR6-IRWD-8726-11680	P. Tan	944.00
131508		TR6-LB-10226-737	F. Burch	900.00
131509		TR5W-MNT-4979	City of Laguna Niguel	73,060.00
131510		TR6-MNT-10439-24000	General Service Administration (Laguna Niguel)	54,982.00
131511		TR5W-MNT-4413	P. Scofield	11,897.00
131512		TR5W-MNT-4446	K. Hans	2,352.00
131513		TR5W-MNT-5143	J. Buckley	1,540.00
131514		TR6-MNT-10306-26371	D. Duke	2,710.00
131515		TR6-MNT-6963-35	M. Nelson	2,285.00
131516		TR6-MNT-7454-24101	W. Chattleton	1,556.00
131517		TR6-MNT-7694-29491	M. Bernstein	2,755.00
131518		TR6-MNT-9158-9	S. Baillargeon	1,670.00
131519		TR5-SM-211	D. Boyd	1,354.00
131520		TR5-SM-215	A. Carter	594.00
131521		TR5W-SM-3329	Three Vines Neighborhood Corporation (Ladera Ranch)	13,580.00
131522		TR5W-SM-4793	L. Perko	3,554.00
131523		TR5W-SM-5777	B. Coleman	922.00
131524		TR5W-SM-6028	G. Wodark	1,100.00
131525		TR5W-SM-6255-2	G. Torres	6,000.00
131526		TR6-SM-9488-27575	J. Farber	1,750.00
131527		TR6-SM-9612-5	C. McGrew	524.00
131528		TR6-SM-9634-31981	C. Mcmillan Tol	1,502.00
131529		TR6-SWD-6782-18362	H. Selway	6,000.00
131530		TR5W-SOCO-5169	G. Wall	2,380.00
131531		TR6-SOCO-7322-22902	M. Joyce	1,752.00
131532		TR6-YLWD-7729-5352	D. Smith	2,780.00
131533		TR6-YLWD-8946-1701	E. Farrell	1,516.00
131534		TR6-YLWD-9547-5967	W. Culver	904.00
131535		TR6-SWD-8627-9650	Martinique Maintenance HOA (Villa Park)	4,403.00
131536		TR5W-MESA-3295	N. Batarseh	1,704.00
131537		TR5W-MESA-3777	R. Lee	3,798.00
131538		TR5W-MESA-4136	S. Martin	1,254.00
131539		TR6-MESA-6849-3116	D. Thompson	1,360.00
131540		TR5W-BREA-5593	R. Franz	2,200.00
131541		TR5W-BP-5071	B. Owens	5,356.00
131542		TR5W-FV-5489	A. Plotkin	2,062.00
131543		TR6-FV-9819-9791	A. Petit	3,764.00
131544		TR5W-GG-4923	C. and V. Rocke	1,280.00
131545		TR6-GG-6737-13112	M. Pham	5,330.00

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131546	1/21/16	TR6-HB-6609-7846	M. McAllister	825.00
131547		TR6-HB-6616-7923	M. McAllister	1,665.00
131548		TR6-HB-8165-19545	G. Lieberman	1,536.00
131549		TR6-HB-9571-6271	M. Buksa	1,402.00
131550		TR6-LH-7830-731	T. Ward	1,650.00
131551		TR6-NWPT-8245-235	J. Greene	1,126.00
131552		TR5W-O-4088	W. Bassett	2,512.00
131553		TR5W-O-4232	L. Kay	2,476.00
131554		TR5W-O-4877	B. Sargeant	1,096.00
131555		TR6-O-8756-1026	S. Vit	2,228.00
131556		TR5W-SC-4914	J. Churko	678.00
131557		TR6-SC-9304-140	T. Dean	576.00
131558		TR6-SJC-9877-32005	San Juan Hills East Block 1 HOA (San Juan Capistrano)	6,410.00
131559		TR6-SJC-8038-25501	A. Jones	1,098.00
131560		TR6-WEST-7768-5342	B. Curtis	1,672.00
131561		TR5W-GSWC-4093	A. Kylmanen	2,658.00
131562		TR5W-GSWC-4126	L. Itano	1,064.00
131563		TR5W-GSWC-5821	L. Oakes	1,184.00
131564		TR6-GSWC-10531-2107	J. Morris	1,218.00
131565		TR6-GSWC-6395-3212	R. Finkle	2,970.00
131566		TR6-GSWC-7086-6125	P. Jay	710.00
131567		TR6-GSWC-7407-11161	H. Rosenberg	2,302.00
131568		TR6-GSWC-7576-2219	L. Pritchett	1,742.00
131569		TR6-GSWC-8134-9931	D. Turner	1,646.00
131570		TR6-GSWC-8389-2008	A. Hwang	2,790.00
131571		TR6-GSWC-9244-1036	S. Hernandez	2,044.00
131572		TR6-GSWC-9747-1740	P. Tohill	3,166.00
131573		TR6-IRWD-9112-22541	N. Schaefer	1,564.00
131574		TR5W-LB-5320	N. Brox	4,863.00
131575		TR6-MESA-8138-458	S. Nguyen	2,990.00
131576		TR6-MESA-8984-3120	C. Wright	2,868.00
131577		TR6-MNT-8796-1	City of Mission Viejo	4,570.50
131578		TR6-MNT-8799-1	City of Mission Viejo	2,716.00
131579		TR5W-MNT-4002	R. Ito	1,057.00
131580		TR5W-MNT-4652	J. Gallin	1,764.00
131581		TR5W-MNT-4701	B. Harris	3,361.00
131582		TR5W-MNT-5223	S. Kingslien	9,869.00
131583		TR6-MNT-7712-28851	B. Sehler	5,140.00
131584		TR6-MNT-7983-23	M. Winger	490.00
131585		TR6-MNT-8015-21	K. Rudel	655.00
131586		TR6-MNT-8759-25092	T. Lyon	3,935.00
131587		TR5W-SM-4782	D. Trojan	1,062.00
131588		TR5W-SM-5338	K. Volpe	1,452.00
131589		TR5W-SM-5993	J. Scott	804.00
131590		TR6-SM-6853-25171	L. Habibabadi	1,838.00
131591		TR6-SM-9709-19	C. Scanlon	1,444.00
131592		TR6-SM-9934-77	T. Gibbs	1,122.00
131593		TR5W-SOCO-5294	D. Bellavia	1,894.00
131594		TR6-SOCO-7743-33312	P. Gillon	1,644.00

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131595	1/21/16	TR6-SOCO-9354-33891	V. Germann	984.00
131596		TR5W-YLWD-5915	M. Stewart	2,246.00
131597		TR6-YLWD-7603-4131	T. Miles	584.00
			***Total ***	1,505,000.73
	1/26/16	TURFRP	Turf Removal Program	
131598		TR6-BREA-9523-932	L. Tasselli	1,978.00
131599		TR5-BREA-036	K. Palmer	2,232.00
131600		TR6-BREA-8336-712	D. Cooper	2,400.00
131601		TR6-BREA-9370-1365	M. Cookman	2,448.00
131602		TR6-BREA-10347-1250	L. Brew	2,500.00
131603		TR6-BREA-7605-812	J. Amster	2,398.00
131604		TR5-HB-130	D. Nguyen	280.00
131605		TR5W-HB-3369	J. Vertican	10,042.00
131606		TR5W-HB-4207	D. Merrill	4,840.00
131607		TR5W-HB-5187	D. Saylor	563.91
131608		TR5W-HB-5811	D. Penso	500.00
131609		TR6-HB-10363-7221	D. Keller	2,974.00
131610		TR6-HB-10377-16351	B. Ngo	1,214.00
131611		TR6-HB-6578-8811	M. Currie	4,472.00
131612		TR6-HB-6676-6521	C. Verity	3,000.00
131613		TR6-HB-7845-10121	F. Escobar	4,942.00
131614		TR6-HB-8114-6121	D. Cappetta	2,118.00
131615		TR6-HB-8575-14952	A. Luhrsen	3,158.00
131616		TR6-HB-8808-17471	K. Shimmel	1,618.00
131617		TR6-HB-9558-10131	J. Carter	1,196.00
131618		TR6-LP-7961-8021	D. Chavarin	1,356.00
131619		TR6-LP-7964-8002	L. Ricarte	3,202.00
131620		TR5W-O-4059	T. Phung	146.00
131621		TR5W-O-4113	R. Koenig	2,174.00
131622		TR5W-O-4396	S. Chabay	4,182.00
131623		TR5W-O-4839	R. Gresenz	1,120.00
131624		TR6-O-6975-2144	R. Clem	1,982.00
131625		TR6-O-8188-169	R. Byers	1,600.00
131626		TR6-O-8192-2643	C. Underwood	2,952.00
131627		TR5-SC-118	T. Csenar	2,408.00
131628		TR6-SC-7370-156	E. Oxford	1,330.00
131629		TR5-SJC-062	M. Mayes	2,638.00
131630		TR5W-SJC-5348	R. Ross	3,878.00
131631		TR6-SJC-9040-31681	K. Bertuzzi	3,150.00
131632		TR6-SB-7451-625	M. Berro	900.00
131633		TR6-SB-7546-1120	P. Kearney	3,436.00
131634		TR6-TUST-6547-14292	T. Barbee	2,478.00
131635		TR6-TUST-7461-440	E. Thrash	6,081.00
131636		TR6-TUST-9152-13451	G. Bray	5,823.00
131637		TR6-WEST-7105-9932	N. Nguyen	1,092.00
131638		TR5W-ETWD-5843	B. McKinstry	2,362.00
131639		TR5W-GSWC-4580	C. Cano	2,754.00
131640		TR6-GSWC-6535-6097	N. McGill	964.00

**Municipal Water District of Orange County
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Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
131641	1/26/16	TR6-GSWC-7319-4291	N. Carpenter	1,046.00
131642		TR6-GSWC-8486-10431	T. Chou	5,512.00
131643		TR5W-IRWD-3162	D. Look	1,500.00
131644		TR5W-IRWD-4220	J. Gargus	738.00
131645		TR5W-IRWD-4809	K. Hassenplug	594.00
131646		TR5W-IRWD-5490	L. Spencer	1,856.00
131647		TR5W-IRWD-5686	K. Maier	1,658.00
131648		TR5W-IRWD-5938	S. Riggs	2,302.00
131649		TR6-IRWD-10065-108	L. Black	706.00
131650		TR6-IRWD-10645-2351	M. Mai	2,298.00
131651		TR6-IRWD-6139-25212	D. Gilbert	1,320.00
131652		TR6-IRWD-6345-9	A. Lang	2,398.00
131653		TR6-IRWD-7213-10	M. Tang	589.91
131654		TR6-IRWD-7573-260	J. Megonigal	1,320.00
131655		TR6-IRWD-8439-17	B. Bhattacharyya	2,586.00
131656		TR6-IRWD-8522-21555	B. Roa	1,168.00
131657		TR6-IRWD-8604-28392	M. Rosenthal	1,048.00
131658		TR6-IRWD-9129-22881	J. Owyang	2,760.00
131659		TR6-IRWD-9861-21431	B. Corlett	1,048.00
131660		TR7-IRWD-11157-22232	J. Hetrick	896.00
131661		TR7-IRWD-11298-15305	B. Evans	844.00
131662		TR6-LB-6477-20481	P. Curran	1,962.00
131663		TR6-LB-7453-1197	M. Marquez	1,620.00
131664		TR6-MESA-8845-2256	G. McIlroy	2,624.00
131665		TR5W-MNT-3672	Nellie Gail Ranch HOA (Laguna Hills)	15,100.00
131666		TR5W-MNT-3674	Nellie Gail Ranch HOA (Laguna Hills)	11,500.00
131667		TR5W-MNT-4943	Vista Del Cerro HOA (Laguna Niguel)	17,000.00
131668		TR5-MNT-203	T. Schowalter	2,751.00
131669		TR5-MNT-240	N. Keck	5,745.00
131670		TR5-MNT-244	S. Ross	2,647.71
131671		TR5W-MNT-4524	S. Stickney	6,344.50
131672		TR5W-MNT-4664	S. Rogalla	2,710.00
131673		TR5W-MNT-4802	K. Fujimoto	3,265.00
131674		TR5W-MNT-5727	H. Tran	2,375.00
131675		TR5W-MNT-5876	B. Moghadasi	2,313.46
131676		TR6-MNT-10582-24285	D. Ledesma	4,015.00
131677		TR6-MNT-6197-24935	E. Turlik	519.82
131678		TR6-MNT-6236-22781	A. Bruno	2,145.00
131679		TR6-MNT-6715-12	L. Soriano	1,026.09
131680		TR6-MNT-7291-31932	D. Schlotterbeck	2,973.50
131681		TR6-MNT-7297-27002	R. Lloyd	2,925.00
131682		TR6-MNT-7914-27086	R. Spinello	4,200.00
131683		TR6-MNT-8194-25747	M. Brueggeman	3,069.50
131684		TR6-MNT-8897-25442	D. Usher	4,675.00
131685		TR5W-SM-5164	The Goddard School (Ladera Ranch)	1,402.00
131686		TR5W-SM-3885	E. Moscoso	1,428.00
131687		TR5W-SM-5759	P. Worne	5,220.00
131688		TR5W-SM-5942	L. Soto	1,032.00
131689		TR6-SM-10110-11	A. Vancura	2,070.00

**Municipal Water District of Orange County
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Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
131690	1/26/16	TR6-SM-10180-25272	K. Feil	1,948.00
131691		TR6-SM-10407-26691	D. Karpf	1,020.00
131692		TR6-SM-10554-8	L. Russo	930.00
131693		TR6-SM-10572-22	R. Ezquerro	618.00
131694		TR6-SM-6131-21	C. James	674.00
131695		TR6-SM-6796-22676	G. Le-Ta	960.00
131696		TR6-SM-7209-21622	C. Rios	672.00
131697		TR6-SM-7214-29	S. Warther	1,222.00
131698		TR6-SM-7395-19	B. McIntee	2,786.00
131699		TR6-SM-7598-47	J. Groseclose	694.00
131700		TR6-SM-7822-21011	S. Chen	1,372.00
131701		TR6-SM-8235-28	J. Empleo	746.00
131702		TR6-SM-8903-14	C. McDaniel	1,938.00
131703		TR6-SM-9318-26601	S. Akesson	1,102.00
131704		TR6-SWD-7805-19201	R. Fontanesi	708.00
131705		TR5-SOCO-113	M. Emery	1,238.00
131706		TR5W-SOCO-4507	G. Hill	1,218.00
131707		TR5W-SOCO-5581	J. Barich	826.00
131708		TR6-SOCO-6641-5	A. Albertson	2,522.00
131709		TR6-SOCO-7727-26282	C. Wilinski	4,826.00
131710		TR6-SOCO-7867-33212	S. Oshita	1,310.00
131711		TR6-SOCO-7882-126	S. Gex	2,432.00
131712		TR6-TC-9482-00	Robinson Ranch Community Association (Trabuco Canyon)	11,308.00
131713		TR6-TC-9517-31901	R. Bycraft	5,976.00
131714		TR5W-YLWD-3524	T. Tonelli	44,816.00
131715		TR5W-YLWD-4057	M. Scott	4,340.00
131716		TR5W-YLWD-4233	J. Dominici	2,060.00
131717		TR5W-YLWD-5416	D. Fischer	1,296.00
131718		TR5-YLWD-056	J. Vierra	3,828.00
131719		TR5-YLWD-059	T. Gilmer	3,358.00
131720		TR6-YLWD-6914-5922	M. Mayeda	3,976.00
131721		TR6-YLWD-8102-17293	B. Carpenter	606.00
131722		TR6-YLWD-9211-20660	W. Hemmerling	1,494.00
131723		TR6-YLWD-9311-5118	A. Liu	2,316.00
131724		TR6-YLWD-9361-5410	T. McHatton	1,490.00
131725		TR6-YLWD-9708-17452	T. Fellenz	2,618.00
131726		TR6-GG-6688-12061	H. Dudley	2,286.00
131727		TR6-GG-7304-11212	D. Bensen	3,366.00
131728		TR6-GG-8331-5342	Y. Miller	2,078.00
131729		TR6-GG-8577-11572	L. Pham	3,358.00
131730		TR6-GG-9030-11782	L. Pham	3,220.00
131731		TR6-GG-9144-12232	W. Nguyen	2,094.00
131732		TR6-GG-9707-10022	J. McQuade	4,836.00
131733		TR6-GG-7153-9022	M. Gaither	1,032.00
131734		TR5-O-079	W. Reimer (Re-issue for lost check)	1,404.00
131735		TR6-GG-7547-10071	F. Valdez	3,574.00
131736		TR6-BREA-8865-2643	V. Cheng	1,600.00
131737		TR6-BREA-10319-525	D. Long	1,344.00
131738		TR5W-BREA-4178	K. McLaughlin	2,268.00

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Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
131739	1/26/16	TR6-BREA-10374-150	M. Gallo	762.00
131740		TR6-BREA-9428-948	E. Prartnadi	1,600.00
131741		TR6-FV-6866-9869	A. Warloe	2,390.00
131742		TR6-FV-8078-18950	J. Lin	798.00
131743		TR6-FV-9177-11452	S. Nguyen	1,142.00
131744		TR6-FV-9989-9156	D. Araki	1,344.00
131745		TR5-GG-045	J. Freer	1,046.66
131746		TR5W-GG-5214	J. Fast	5,826.84
131747		TR6-GG-8370-6532	J. Castro	1,546.00
131748		TR6-HB-6870-4132	J. Floro	1,748.00
131749		TR6-NWPT-10025-1935	M. Glover	1,000.00
131750		TR6-NWPT-10221-1901	R. Hyson	2,420.00
131751		TR6-NWPT-10478-3900	E. Rhodes	2,482.00
131752		TR6-NWPT-6166-1218	A. Barbour	1,234.00
131753		TR6-NWPT-6217-1212	B. Chaitin	1,900.00
131754		TR6-NWPT-9793-1836	N. Nelson	4,934.00
131755		TR6-NWPT-9831-28	D. Morrow	2,118.00
131756		TR6-O-8149-1783	South Coast Bobcat (Orange)	8,238.00
131757		TR5W-O-4070	P. Jackson	4,156.00
131758		TR5W-O-4086	D. Grabill	442.00
131759		TR5W-O-5649	C. Goldsmith	1,012.00
131760		TR6-O-6249-711	D. Yuan	2,828.00
131761		TR6-O-6335-1035	L. Nicolosi	816.00
131762		TR6-O-7207-8051	A. Shah	400.00
131763		TR6-O-7362-591	D. Cox	2,380.00
131764		TR6-O-8387-1081	G. Pierce	814.00
131765		TR6-O-8444-207	K. Liu	720.00
131766		TR6-O-8661-739	D. Fishel	6,000.00
131767		TR6-O-9643-2167	L. Zittel	1,114.00
131768		TR5W-SC-4466	K. Sandnes	2,008.00
131769		TR5W-SC-4716	C. Jenkins	2,308.00
131770		TR5W-SC-4876	W. Lincoln	1,544.00
131771		TR5W-SC-5582	G. Griffith	1,116.00
131772		TR6-SC-6661-2848	R. De Jong	2,140.00
131773		TR6-SC-7515-2117	S. Fink	792.00
131774		TR6-SC-7808-5403	J. Knights	786.00
131775		TR6-SC-7823-15	D. Heil	4,836.00
131776		TR6-SC-7873-203	E. Duran	1,148.00
131777		TR6-SC-7927-326	S. Reenders	574.00
131778		TR6-SC-9374-601	W. Holmes	1,282.00
131779		TR6-SC-9652-700	A. Smith	1,539.63
131780		TR6-SC-9873-2900	L. Humphrey	1,260.00
131781		TR5W-SJC-4145	G. Clark	2,508.00
131782		TR6-SJC-8743-31281	D. Vahid	6,000.00
131783		TR6-SJC-9930-28402	W. Schmitt	6,000.00
131784		TR6-SB-6390-4201	J. McKinney	1,000.00
131785		TR6-TUST-10109-14821	S. Bates	2,472.00
131786		TR6-WEST-9278-8852	M. Snapp	956.00
131787		TR6-WEST-9885-7771	C. Cruz	2,700.84

**Municipal Water District of Orange County
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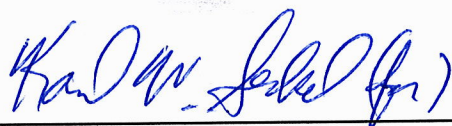
Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
131788	1/26/16	TR5W-EOWD-5806	M. Fernandez Jr.	3,733.72
131789		TR6-ETWD-7848-23382	R. Pfeifer	1,578.00
131790		TR5-GSWC-117	C. Walker	1,176.00
131791		TR5W-GSWC-4476	W. Clark	2,966.07
131792		TR5W-GSWC-4586	M. Widdoss	1,008.00
131793		TR5W-GSWC-4589	L. Lee	1,642.00
131794		TR5W-GSWC-5323	G. Le	1,200.00
131795		TR5W-GSWC-5685	T. Frakas	1,830.00
131796		TR5W-GSWC-5758	B. Canon	6,000.00
131797		TR5W-GSWC-5765	J. Ferris IV	2,382.10
131798		TR6-GSWC-10099-11271	D. Thompson	3,586.00
131799		TR6-GSWC-5998-11121	P. Oldham	3,296.00
131800		TR6-GSWC-6273-101	S. Denison	3,516.00
131801		TR6-GSWC-6949-10566	D. Champion	4,878.00
131802		TR6-GSWC-7104-1513	J. Blossom	4,372.00
131803		TR6-GSWC-8199-10755	S. Noh	844.00
131804		TR5W-IRWD-4371	Oak Creek Golf Club (Irvine)	20,079.48
131805		TR5W-IRWD-3880	G. Stevenson	1,194.00
131806		TR5W-IRWD-4866	B. Gilmour	1,020.00
131807		TR5W-IRWD-5268	P. Salehi	728.00
131808		TR5W-IRWD-5308	R. Ramos	1,144.00
131809		TR5W-IRWD-5343	J. Owens	810.00
131810		TR6-IRWD-10240-3	L. Kaufman	374.00
131811		TR6-IRWD-10261-1	G. Molina	1,218.00
131812		TR6-IRWD-7060-21501	M. Beucier	2,392.00
131813		TR6-IRWD-7289-27	S. Grewal	1,804.00
131814		TR6-IRWD-7484-19452	A. Thorlakson	1,262.00
131815		TR6-IRWD-7728-8	J. Flagge	698.00
131816		TR6-IRWD-7843-3	C. Cheung	476.00
131817		TR6-IRWD-7858-64	H. Le	492.00
131818		TR6-IRWD-7950-14821	A. Lin	1,690.00
131819		TR6-IRWD-8403-2538	P. Loubet	710.00
131820		TR6-IRWD-8574-9	T. Patel	1,962.00
131821		TR6-IRWD-9176-14	J. Andikian	798.00
131822		TR7-IRWD-11387-12843	S. Foreman	292.00
131823		TR7-IRWD-11587-22412	J. Hetrick	800.00
131824		TR7-IRWD-11648-19	E. Mulya	398.00
131825		TR7-IRWD-11651-21182	D. Do	3,486.00
131826		TR5W-LB-4239	B. Cosgrove	1,701.00
131827		TR6-LB-7542-1048	G. Kawand	4,275.00
131828		TR6-LB-8081-969	D. Braham	1,422.00
131829		TR5W-MESA-4421	H. Lu	576.00
131830		TR5W-MESA-4486	M. Villelli	1,846.00
131831		TR5W-MESA-4954	T. Tipton	2,794.00
131832		TR6-MESA-10402-3210	S. Akerstrom	2,080.00
131833		TR5-MNT-255	M. Donatelli	5,696.00
131834		TR5-MNT-259	H. Arami	5,235.00
131835		TR5-MNT-260	P. Sampson	3,315.00
131836		TR5W-MNT-3691	G. Bray	5,958.50

**Municipal Water District of Orange County
Disbursement Ratification Report
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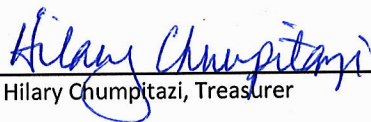
Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
131837	1/26/16	TR5W-MNT-4221	R. Hanson	4,068.50
131838		TR5W-MNT-5713	T. Enoch	5,223.00
131839		TR5W-MNT-5974	P. Lewandowski	1,347.50
131840		TR6-MNT-6288-25212	D. Winfrey	3,632.00
131841		TR6-MNT-6315-16	C. Schultz	3,027.50
131842		TR6-MNT-6624-44	D. Quinn	4,460.00
131843		TR6-MNT-6689-28691	E. Eklund	2,313.00
131844		TR6-MNT-6985-30	M. Asuncion	3,600.00
131845		TR6-MNT-7077-51	D. or K. Harvey	775.00
131846		TR6-MNT-7263-33	B. Lathan	3,930.00
131847		TR6-MNT-7312-25152	D. Becker	1,415.00
131848		TR6-MNT-7541-26641	J. Sellers	1,564.50
131849		TR6-MNT-7670-2	D. Griffith	1,525.00
131850		TR6-MNT-7769-25472	S. Cammarato	4,740.00
131851		TR6-MNT-7924-25061	J. Bourgeois	2,145.00
131852		TR6-MNT-8066-23881	G. Amaya	10,906.00
131853		TR6-MNT-8212-23992	C. Guy	5,000.00
131854		TR6-MNT-8281-25572	C. Logan	10,810.00
131855		TR6-MNT-8650-25022	J. Peters	3,680.00
131856		TR6-MNT-9346-26922	E. Hsu	6,810.00
131857		TR6-MNT-9395-23842	J. Macy	6,595.00
131858		TR6-MNT-9508-25682	A. Faigin	2,325.00
131859		TR6-SM-6437-22300	Canyon Estates Community Association (Mission Viejo)	367.50
131860		TR6-SM-6442-22300	Canyon Estates Community Association (Mission Viejo)	418.05
131861		TR5W-SM-4712	J. Buchanan	1,842.00
131862		TR5W-SM-4832	C. Weinberger	2,760.00
131863		TR5W-SM-5394	L. East	1,196.00
131864		TR5W-SM-5905	I. Teo	934.00
131865		TR6-SM-10168-22	C. Wilson	1,258.00
131866		TR6-SM-10259-27391	M. Alasandro	808.94
131867		TR6-SM-6093-23002	J. Knobel	3,792.00
131868		TR6-SM-7007-28121	P. Selzer	1,472.25
131869		TR6-SM-7932-22225	R. Pambrun	1,080.00
131870		TR6-SM-9723-21476	R. Scharlin Zinman	780.00
131871		TR6-SM-9865-19	C. Dunn	1,186.00
131872		TR5W-SWD-4565	M. Henderson	268.92
131873		TR6-SWD-8092-18391	D. Tracewell	5,406.00
131874		TR5W-SOCO-5505	J. Armstrong	3,984.00
131875		TR6-SOCO-7414-33642	L. Cook	1,990.00
131876		TR5W-YLWD-4872	J. Andrukaitis	1,476.00
131877		TR5W-YLWD-5693	S. Quesenberry	2,288.00
131878		TR6-YLWD-7232-4915	D. Gilbertson	854.00
131879		TR6-YLWD-7647-4985	P. Stotts	1,962.00
131880		TR6-YLWD-7896-4144	D. Finke	480.00
131881		TR6-YLWD-8514-18225	B. Wakamatsu	1,172.00
131882		TR6-YLWD-8720-4741	R. Kleinschmit	6,000.00
131883		TR6-YLWD-9563-5710	K. Jennings	1,628.00
131884		TR6-YLWD-9654-3520	R. Hunn	2,110.00
			***Total ***	781,753.90

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Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
131889	1/29/16	CATALI 0012335	Catalina Island Conservancy January 2016 WEROC radio repeater site lease ***Total ***	 1,558.54 1,558.54
131897	1/29/16	USBANK 5783-DEC15	U.S. Bank 11/24/15-12/22/15 Cal Card charges ***Total *** (See attached sheet for details)	 75.00 75.00
ACH001844	1/29/16	SANTAM NOV2015	Santa Margarita Water District November 2015 SCP Operation Surcharge ***Total ***	 12,695.96 12,695.96
WIRE-160129	1/29/16	METWAT 8540	Metropolitan Water District November 2015 Water Deliveries ***Total ***	 11,269,547.86 11,269,547.86
Total Other Funds Disbursements				13,614,641.52
Total Disbursements				13,626,552.53



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

Cal Card Statement Detail
Statement Date: December 22, 2015
Payment Date: January 29, 2016

Date	Description	Amount
<u>K. Seckel Card</u>		
11/24/15	UPS delivery charges for Board & Committee packets on 11/13/15	\$ 57.44
11/24/15	California Emergency Services Association membership renewal for K. Hubbard	75.00
11/25/15	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 10-12, 2016 - Accommodations deposit for Director Thomas	174.00
11/25/15	Chair, table and tablecloth rental for R. Bell retirement luncheon on Dec. 14, 2015	392.71
11/25/15	Lunch for Orange County MET Managers' meeting	228.00
11/25/15	1 Logitech rechargeable touchpad mouse	41.44
11/30/15	December 2015-November 2016 Subscription for GraphicStock downloads	49.00
11/30/15	Snacks for Orange County Reliability meeting	105.00
11/30/15	California Urban Water Conservation Council Quarterly Plenary meeting in Livermore, CA on Dec. 9, 2015 - Airfare for J. Berg	421.96
12/01/15	2 Transcend external hard drives	118.78
12/02/15	State Water Resources Control Board Emergency Regulation workshop in Sacramento, CA on Dec. 7, 2015 - Airfare for J. Berg	428.46
12/03/15	Federal Express delivery charges for J. Barker on Dec. 1, 2015	30.32
12/04/15	ACWA Fall conference in Indian Wells, CA from Dec. 1-4, 2015 - Accommodations for Director Osborne	743.75
12/04/15	ACWA Fall conference in Indian Wells, CA from Dec. 1-3, 2015 - Accommodations for R. Hunter	423.94
12/05/15	ACWA Fall conference in Indian Wells, CA from Dec. 1-4, 2015 - Accommodations for Director Hinman	643.47
12/05/15	ACWA Fall conference in Indian Wells, CA from Dec. 1-4, 2015 - Accommodations for H. Baez	635.91
12/05/15	ACWA Fall conference in Indian Wells, CA from Dec. 1-4, 2015 - Accommodations for Director Tamaribuchi	635.91
12/08/15	UPS delivery charges for Board & Committee packets on 12/4/15	5.95
12/08/15	Association of Metropolitan Water Agencies International Water & Climate Forum in Coronado, CA from Dec. 7-8, 2015 - Accommodations for R. Hunter	301.87
12/08/15	Legislative activities in Washington, DC from Jan. 13-15, 2015 - Airfare for H. Baez	480.61
12/09/15	ACWA Joint Power Insurance Authority Human Resources Group meeting in Rancho Cucamonga, CA on Jan. 26, 2016 - Registration for C. Harris	30.00
12/11/15	Final payment for 12/15/15 Staff holiday luncheon	509.93
12/15/15	UPS delivery charges for Board & Committee packets on 12/4/15 & 12/9/15	110.24
12/15/15	CRWUA Annual conference in Las Vegas, NV from Dec. 16-18, 2015 - Accommodations refund for R. Hunter	(193.76) 1
12/17/15	California Society of Municipal Finance Officers membership for H. Chumpitazi	110.00

Cal Card Statement Detail
Statement Date: December 22, 2015
Payment Date: January 29, 2016

Date	Description	Amount
12/18/15	CRWUA Annual conference in Las Vegas, NV from Dec. 16-18, 2015 - Accommodations refund for Director Barbre	(123.48)
12/18/15	CRWUA Annual conference in Las Vegas, NV from Dec. 16-18, 2015 - Airfare refund for Director Barbre	(277.98) ²
12/19/15	Google AdWords campaign to promote water conservation and rebates	104.16
Total		\$ 6,262.63

¹ Canceled hotel reservation

² Canceled return flight

R. Hunter Card

11/23/15-12/2/15	Meals for R. Hunter's meetings on various dates	\$ 285.23
11/24/15	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 10-12, 2016 - Registration for Director Thomas	475.00
Total		\$ 760.23

Municipal Water District of Orange County
GM Approved Disbursement Report ⁽¹⁾
For the month of January 2016

<i>Check #</i>	<i>Date</i>	<i>Vendor # Invoice/CM #</i>	<i>Name / Description</i>	<i>Net Amount</i>
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Core Disbursements:

Total Core Disbursements

-

Choice Disbursements:

Total Choice Disbursements

-

Other Funds Disbursements:

Total Other Funds Disbursements

-


Total Disbursements

-

No items to report



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

(1) For disbursements that did not make the cut-off of previous month's Disbursement Approval report. Disbursements are approved by GM for payment and need A & F Committee ratification.

**Municipal Water District of Orange County
WATER USE EFFICIENCY PROJECTS
Cash Flow as of 11/30/15**

	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016	Jun 2016	TOTALS
Cash - Beginning Balance	\$ (4,366,336.14)	\$ (4,150,715.21)	\$ (866,085.23)	\$ (2,898,017.49)	\$ (3,394,231.09)	\$ (3,796,564.33)	\$ (4,010,296.92)	\$ (3,896,826.05)	\$ (3,896,826.05)	\$ (3,896,826.05)	\$ (3,896,826.05)	\$ (3,896,826.05)	\$ (3,896,826.05)
REVENUES:													
BUREC													\$ 563,420.13
City of Brea	6,999.33	1,934.35	389.42	247.74	496,524.08	15,352.67	51,543.38						12,044.72
City of Buena Park	1,212.97	1,886.23	846.00	2,716.00	2,271.97	636.13	1,508.00						11,077.30
City of Fountain Valley		150.00			150.00		75.00						375.00
City of Fullerton		225.00		150.00	67.75		70.92						513.67
City of Garden Grove	1,995.00	1,650.00	2,914.00	4,224.00	2,770.81		3,431.78						16,985.59
City of Huntington Beach		325.66	294.00	211.54			234.98						1,066.18
City of La Habra	1,050.00	599.53	2,451.89	582.00	1,067.00	735.00	194.00						6,679.42
City of San Clemente	4,925.18		9,886.07	5,141.99	3,911.00	2,499.51	4,353.25						30,419.00
City of San Juan Capistrano	3,344.86	2,142.95	150.00	11,481.16	2,063.23	1,680.00	1,978.22						22,680.42
City of Santa Ana		75.00		75.00									300.00
City of Tustin		246.86		300.00		75.00	12,815.67						13,437.53
City of Newport Beach		840.00	3,264.97	4,096.04			6,460.59						14,661.60
City of Orange	4,297.93	14,879.13	14,879.13	5,622.50	6,713.19	3,417.89	4,721.79						39,652.43
City of Westminster		75.00					75.00						150.00
County of Orange													-
Department of Water Resources		649,130.64	1,824.70		1,568.28		4,226.25						656,749.87
East Orange County Water District													-
El Toro Water District	2,633.00	5,676.22	2,016.61	1,328.86	550.00	129.00	275.00						12,608.69
East Orange County Water District													-
Golden State Water Company	6,555.20	6,985.72	12,246.61	9,373.88	7,563.09	4,890.00	9,821.40						57,435.90
Irvine Ranch Water District	116,113.61	30,550.23	43,139.41	45,081.83	4,525.99	8,131.72	201,755.82						449,236.61
Laguna Beach County Water District	1,840.00	16,506.86	1,259.00	2,257.00	713.99	210.00	10,556.64						33,343.49
Mesa Water District		75.00	150.00				756.24						981.24
Metropolitan Water District	194,847.61	4,001,136.01	434,924.75	1,369,139.07	1,308,972.63	936,576.61	1,897,669.39						10,143,266.07
Moulton Niguel Water District	359,285.60	244,320.71	3,654.58	152,561.75	122,311.65	246,642.32	271,346.48						1,399,123.09
MWD/OC													-
Santa Margarita Water District		1,035.00	458.43	1,482.03	525.00	2,955.00	4,271.43						10,726.89
Serrano Water District		75.00		75.00			19.96						169.96
South Coast Water District				225.00			150.00						375.00
Trabuco Canyon Water District	800.00	1,072.37	300.00	1,175.00	406.25	1,431.73	825.00						6,010.35
Yorba Linda Water District	80.66		517.75	437.46		856.39	1,066.93						2,559.19
Miscellaneous Revenues													-
Miscellaneous							2,054.75						2,054.75
Interest Revenue													-
Total Revenues	704,980.95	4,966,639.34	535,344.32	1,617,994.85	1,963,781.66	1,226,487.10	2,493,377.87	-	-	-	-	-	\$ 13,508,576.09
EXPENDITURES:													
Aqueduct	1,500.00	1,500.00	1,500.00	1,800.00	1,800.00								\$ 9,900.00
Autumn Print Group				207.36									207.36
Awards & Trophies					28.74								28.74
Conservation Consulting, LLC	7,645.50	7,899.75	7,452.00	7,509.25	7,501.50	7,173.00	6,620.00						51,800.00
City of Newport Beach													-
El Toro WD	28,501.27												28,501.27
Enterprise Information Systems													2,160.00
Eco Landscape			2,160.00				13,012.50						2,160.00
Golden State Water Company	31,300.00				11,141.80	7,827.50							31,981.80
Hotel Program						11,539.17							31,300.00
Industrial Program					150,160.05								11,539.17
Irvine Ranch Water District													150,160.05
Karen's Detail Custom Frames			48.60										48.60
Laguna Beach CWD	26,036.00												26,036.00
Metropolitan Water District													-
MESA													-
Mission RCD	30,478.31	32,650.22	4,785.46	41,311.01	37,048.67	36,017.86	28,966.82						254,323.35
Public Spaces program				55,939.00	168,760.00								476,544.00
Santa Margarita Water District	10,813.50		251,945.00										10,813.50
South Coast Water District	90,048.00												90,048.00
Spray to Drip program	1,557.61		27,688.12	15,622.66	5,552.86	12,246.77	10,348.30						73,016.32
Survey Gizmo				675.00									675.00
Turf Removal	253,213.58	1,639,959.39	2,212,359.63	1,988,139.02	1,984,121.28	1,363,595.39	2,316,379.63						11,759,767.92
US Bank													-
UPS													-
Waterwise Consulting													-
Miscellaneous Expenses													
Interest Expense	3,817.57			2,996.15									6,813.72
Salary & Benefit	4,448.68		16,372.77				2,579.75						23,401.20
Total Expenditures	489,380.02	1,682,009.36	2,567,276.58	2,114,193.45	2,366,114.90	1,440,199.69	2,379,907.00	-	-	-	-	-	\$ 13,039,086.00
Cash - Ending Balance	\$ (4,150,715.21)	\$ (866,085.23)	\$ (2,898,017.49)	\$ (3,394,231.09)	\$ (3,796,564.33)	\$ (4,010,296.92)	\$ (3,896,826.05)	\$ (3,896,826.05)	\$ (3,896,826.05)	\$ (3,896,826.05)	\$ (3,896,826.05)	\$ (3,896,826.05)	\$ 13,039,086.00



Municipal Water District of Orange County Consolidated Summary of Cash and Investment

December 31, 2015

Street Address:

18700 Ward Street
Fountain Valley, California 92708

Mailing Address:

P.O. Box 20895
Fountain Valley, CA 92728-0895

(714) 963-3058

Fax: (714) 964-9389

www.mwdoc.com

Wayne S. Osborne
President

Brett R. Barbre
Vice President

Larry D. Dick
Director

Joan C. Finnegan
Director

Susan Hinman
Director

Sat Tamaribuchi
Director

Jeffery M. Thomas
Director

Robert J. Hunter
General Manager

MEMBER AGENCIES

City of Brea
City of Buena Park
East Orange County Water District
El Toro Water District
Emerald Bay Service District
City of Fountain Valley
City of Garden Grove
Golden State Water Co.
City of Huntington Beach
Irvine Ranch Water District
Laguna Beach County Water District
City of La Habra
City of La Palma
Mesa Water District
Moulton Niguel Water District
City of Newport Beach
City of Orange
Orange County Water District
City of San Clemente
City of San Juan Capistrano
Santa Margarita Water District
City of Seal Beach
Serrano Water District
South Coast Water District
Trabuco Canyon Water District
City of Tustin
City of Westminster
Yorba Linda Water District

District investments and cash balances are held in various funds designated for certain purposes as follows:

Fund	Book Value	% of Portfolio
Designated Reserves		
General Operations	\$2,494,603	26.43%
Grant & Project Cash Flow	1,480,000	15.68%
Election Expense	215,463	2.28%
Building Repair	500,407	5.30%
Total Designated Reserves	4,690,473	49.69%
General Fund	6,301,962	66.79%
Water Fund	2,218,941	23.51%
Conservation Fund	(4,010,822)	(42.50%)
Desalination Feasibility Study Fund	222,385	2.36%
WEROC Fund	5,459	0.06%
Trustee Activities	8,620	0.09%
Total	\$9,437,018	100.00%

The funds are invested as follows:

Term of Investment	% of Portfolio	Book Value	Market Value
Cash	4.56%	\$429,859	\$429,859
Short-term investment			
• LAIF	1.67%	\$157,237	\$157,237
• OCIP	60.94%	5,749,905	5,749,905
Long-term investment			
• Misc. Securities	10.60%	1,000,017	992,060
• Certificates of Deposit	22.25%	2,100,000	2,095,303
Total	100.00%	\$9,437,018	\$9,424,364

The average number of days to maturity/call as of December 31, 2015 equaled 303 and the average yield to maturity is 0.990%. During the month, the District's average daily balance was \$16,806,098.66. Funds were invested in Federal Agency Issues, Certificates of Deposit, Negotiable CD's, Miscellaneous Securities, the Local Agency Investment Funds (LAIF) and the Orange County Investment Pool (OCIP) during the month of December 2015.

The (\$12,654) difference between the book value and the market value on December 31, 2015 represents the exchange difference if all investments had been liquidated on that date. Since it is the District's practice to "buy and hold" investments until maturity, the market values are a point of reference, not an indication of actual loss or gain. There are no current plans or cash flow requirements identified in the near future that would require the sale of these securities prior to maturity.

Robert J. Hunter
General Manager

Hilary Chumpitazi
Treasurer

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY



Portfolio Management - Portfolio Summary December 31, 2015

12/31/2015	Par Value	Market Value	Book Value	% of Portfolio	Days to Mat/Call	YTM @ Cost
Certificates of Deposit - Bank	2,100,000.00	2,095,302.50	2,100,000.00	23.31	947	1.598
Local Agency Investment Funds	157,236.81	157,236.81	157,236.81	1.75	1	0.400
Miscellaneous Securities - Coupon	1,000,000.00	992,060.00	1,000,016.37	11.10	732	2.628
Orange County Investment Pool	5,749,905.32	5,749,905.32	5,749,905.32	63.84	1	0.499
Total Investments	9,007,142.13	8,994,504.63	9,007,158.50	100.00%	303	0.990
Cash						
Passbook Checking	429,859.03	429,859.03	429,859.03		1	0.00
Total Cash and Investments	9,437,001.16	9,424,363.66	9,437,017.53		303	0.990

Total Earnings	Month Ending December	Fiscal Year to Date
Current Year	10,073.94	61,582.91
Average Daily Balance	16,806,098.66	
Effective Rate of Return	0.990%	

We certify that this report reflects the cash and investments of the Municipal Water District of Orange County and is in conformity with the Government Code requirements and the District Investment Policy and Guidelines in effect at the time of investment. The Investment Program herein shown provides sufficient cash flow liquidity to meet the next six month's estimated expenditure. The source for the market values are from Union Bank.

Robert J. Hunter (Signature)

Robert J. Hunter, General Manager

Date

2-4-16

Hilary Chumpitazi (Signature)

Hilary Chumpitazi, Treasurer

Date

2/4/2016

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Portfolio Management
Long-Term Portfolio Details - Investments
December 31, 2015

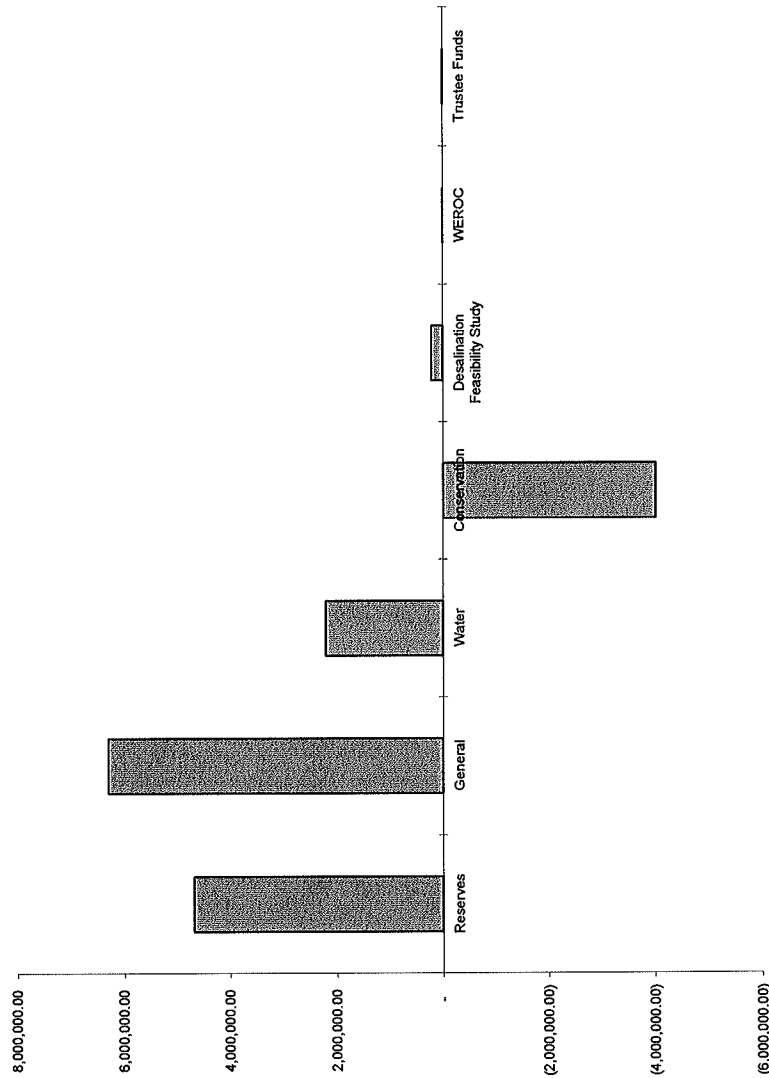
Issuer	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Certificate of Deposit - Bank									
Ally Bank	02006LFV0	7/23/2014	250,000.00	249,512.50	250,000.00	1.150	1.150	571	7/24/2017
American Express Bank	02587CEA4	7/29/2015	250,000.00	249,280.00	250,000.00	1.450	1.450	760	1/29/2018
Barclays Bank	06740KJP3	9/24/2015	250,000.00	249,207.50	250,000.00	1.900	1.900	1362	9/23/2019
Capital One Bank	140420TY6	8/5/2015	250,000.00	249,062.50	250,000.00	1.700	1.700	949	8/6/2018
Capital One Natl Assn	14042E6C9	9/2/2015	250,000.00	249,802.50	250,000.00	1.950	1.950	1342	9/3/2019
Discover Bank	254671Y5	7/23/2014	250,000.00	248,985.00	250,000.00	1.600	1.600	935	7/23/2018
GE Capital Bank	36163FJC8	7/25/2014	250,000.00	249,505.00	250,000.00	1.200	1.200	572	7/25/2017
Goldman Sachs Bank	38143A4T9	1/23/2013	100,000.00	100,115.00	100,000.00	1.050	1.050	389	1/23/2017
Synchrony Bank	87164XBY1	7/25/2014	250,000.00	249,832.50	250,000.00	2.050	2.050	1307	7/30/2019
Sub Total			2,100,000.00	2,095,302.50	2,100,000.00	1.598	1.598	947	
Miscellaneous Securities - Coupon									
JPMorgan Chase	46825HKA7	11/2/2015	500,000.00	491,890.00	500,000.00	2.250	2.250	1453	1/23/2020
MetLife Global	59217GAD1	2/25/2011	500,000.00	500,170.00	500,016.37	3.125	3.007	11	1/11/2016
Sub Total			1,000,000.00	992,060.00	1,000,016.37	2.688	2.628	732	
Total Investments			3,100,000.00	3,087,362.50	3,100,016.37	1.949	1.93	878	
Total Earnings									
Current Year		Month Ending December	5,117.57	Fiscal Year To Date					
				28,436.40					

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Portfolio Management
Short-Term Portfolio Details - Cash and Investments
December 31, 2015

Investments	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Local Agency Investment Funds									
LAIF LGIP	LAIF	6/30/2010	157,236.81	157,236.81	157,236.81	0.400	0.400	1	N/A
Sub Total			157,236.81	157,236.81	157,236.81	0.400	0.400	1	
Orange County Investment Pool									
County of Orange LGIP	OCIP	6/29/2005	5,749,905.32	5,749,905.32	5,749,905.32	0.499	0.499	1	N/A
Sub Total			5,749,905.32	5,749,905.32	5,749,905.32	0.499	0.499	1	
Total Investments			5,907,142.13	5,907,142.13	5,907,142.13	0.496	0.496		
Passbook Checking									
Bank of America Cash	CASH0547	7/1/2011	429,359.03	429,359.03	429,359.03	0.000	0.000	1	N/A
Petty Cash Cash	CASH	7/1/2011	500.00	500.00	500.00	0.000	0.000	1	N/A
Total Cash			429,859.03	429,859.03	429,859.03	0.000	0.000	1	
Total Cash and Investments			6,337,001.16	6,337,001.16	6,337,001.16	0.496	0.496	1	
Total Earnings									
Current Year		Month Ending December	Fiscal Year To Date						
		4,956.37	33,146.51						

**Municipal Water District of Orange County
Cash and Investments at December 31, 2015**

ALLOCATION	AMOUNT	%
MWDOC		
Designated Reserves		
General	\$ 2,494,603	26.43%
Grant & Project Cash Flow	1,480,000	15.68%
Election Expense	215,463	2.28%
Building Repair	500,407	5.30%
Total Designated Reserves	4,690,473	49.69%
General	6,301,962	66.79%
Water	2,218,941	23.51%
Conservation	(4,010,822)	-42.50%
Desalination Feasibility Study	222,385	2.36%
WEROC	5,459	0.06%
TOTAL MWDOC	\$ 9,428,398	99.91%
TRUSTEE ACTIVITIES		
AMP Sales Admin	\$ 8,620	0.09%
TOTAL TRUSTEE ACTIVITIES	\$ 8,620	0.09%
TOTAL CASH & INVESTMENTS	\$ 9,437,018	100.00%



**Municipal Water Dist of Orange County
PARS OPEB Trust Program****Monthly Account Report for the Period
12/01/2015 to 12/31/2015**

Rob Hunter
General Manager
Municipal Water Dist of Orange County
18700 Ward Street
Fountain Valley, CA 92708

Account Summary

Source	Beginning Balance as of 12/01/2015	Contributions	Earnings	Expenses*	Distributions	Transfers	Ending Balance as of 12/31/2015
Contributions	\$1,277,787.96	\$0.00	(\$19,493.70)	\$290.92	\$0.00	\$0.00	\$1,258,003.34
Totals	\$1,277,787.96	\$0.00	(\$19,493.70)	\$290.92	\$0.00	\$0.00	\$1,258,003.34

Investment Selection

Moderate HighMark PLUS

Investment Objective

The dual goals of the Moderate Strategy are growth of principal and income. It is expected that dividend and interest income will comprise a significant portion of total return, although growth through capital appreciation is equally important. The portfolio will be allocated between equity and fixed income investments.

Investment Return

Annualized Return						Plan's Inception Date
1-Month	3-Month	1-Year	3-Years	5-Years	10-Years	
-1.53%	2.24%	0.22%	6.11%	-	-	10/26/2011

Information as provided by US Bank, Trustee for PARS; Not FDIC Insured; No Bank Guarantee; May Lose Value

Past performance does not guarantee future results. Performance returns may not reflect the deduction of applicable fees, which could reduce returns. Information is deemed reliable but may be subject to change.

Investment Return: Annualized rate of return is the return on an investment over a period other than one year multiplied or divided to give a comparable one-year return.

*Expenses are inclusive of Trust Administration, Trustee and Investment Management fees

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
COMBINED FINANCIAL STATEMENTS
AND
BUDGET COMPARATIVE
JULY 1, 2015 THRU DECEMBER 31, 2015

**Municipal Water District of Orange County
Combined Balance Sheet
As of December 31, 2015**

<u>ASSETS</u>	Amount
Cash in Bank	429,859.03
Investments	9,007,158.50
Accounts Receivable	24,462,443.75
Accounts Receivable - Other	1,307,662.90
Accrued Interest Receivable	30,232.75
Prepays/Deposits	535,627.38
Leasehold Improvements	3,026,974.08
Furniture, Fixtures & Equipment	436,910.44
Less: Accum Depreciation	(2,540,643.79)
Net OPEB Asset	92,806.00
	<hr/>
TOTAL ASSETS	\$36,789,031.04
	<hr/>
<u>LIABILITIES AND FUND BALANCES</u>	
Liabilities	
Accounts Payable	20,062,989.06
Accounts Payable - Other	1,381.69
Accrued Salaries and Benefits Payable	334,993.89
OCWD Cup Balance Payable	904,371.30
Other Liabilities	1,499,744.57
Unearned Revenue	2,302,261.15
Total Liabilities	<hr/> 25,105,741.66 <hr/>
Fund Balances	
Restricted Fund Balances	
Water Fund - T2C	959,194.51
Total Restricted Fund Balances	<hr/> 959,194.51 <hr/>
Unrestricted Fund Balances	
Designated Reserves	
General Operations	2,587,408.51
Grant & Project Cash Flow	1,480,000.00
Election Expense	215,463.03
Building Repair	500,407.45
Total Designated Reserves	<hr/> 4,783,278.99 <hr/>
GENERAL FUND	1,307,553.79
WERO	83,059.22
Total Unrestricted Fund Balances	<hr/> 6,173,892.00 <hr/>
Excess Revenue over Expenditures	
Operating Fund	4,934,616.65
Other Funds	(384,413.78)
Total Fund Balance	<hr/> 11,683,289.38 <hr/>
TOTAL LIABILITIES AND FUND BALANCES	\$36,789,031.04
	<hr/>

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
From July thru December 2015

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	Budget Remaining
<u>REVENUES</u>						
Retail Connection Charge	<u>0.00</u>	<u>6,686,659.70</u>	<u>6,687,322.00</u>	<u>99.99%</u>	<u>0.00</u>	<u>662.30</u>
Water rate revenues	0.00	6,686,659.70	6,687,322.00	99.99%	0.00	662.30
Interest Revenue	<u>11,521.47</u>	<u>67,021.58</u>	<u>117,675.00</u>	<u>56.95%</u>	<u>0.00</u>	<u>50,653.42</u>
Subtotal	<u>11,521.47</u>	<u>6,753,681.28</u>	<u>6,804,997.00</u>	<u>99.25%</u>	<u>0.00</u>	<u>51,315.72</u>
Choice Programs	0.00	1,340,182.62	1,302,619.00	102.88%	0.00	(37,563.62)
Choice Prior Year Carry Over	0.00	0.00	243,338.00	0.00%	0.00	243,338.00
Miscellaneous Income	28,392.07	136,338.46	3,000.00	4544.62%	0.00	(133,338.46)
School Contracts	31,455.70	31,455.70	70,000.00	44.94%	0.00	38,544.30
Delinquent Payment Penalty	0.00	173.98	0.00	0.00%	0.00	(173.98)
Transfer-Out To Reserve	<u>0.00</u>	<u>0.00</u>	<u>(64,424.00)</u>	<u>0.00%</u>	<u>0.00</u>	<u>(64,424.00)</u>
Subtotal	<u>59,847.77</u>	<u>1,508,150.76</u>	<u>1,554,533.00</u>	<u>97.02%</u>	<u>0.00</u>	<u>46,382.24</u>
TOTAL REVENUES	<u>71,369.24</u>	<u>8,261,832.04</u>	<u>8,359,530.00</u>	<u>98.83%</u>	<u>0.00</u>	<u>97,697.96</u>

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
From July thru December 2015

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	Budget Remaining
<u>EXPENSES</u>						
Salaries & Wages	255,504.87	1,473,919.58	3,309,949.00	44.53%	0.00	1,836,029.42
Salaries & Wages - Grant Recovery	(2,131.89)	(18,618.66)	(23,500.00)	79.23%	0.00	(4,881.34)
Directors' Compensation	16,419.20	88,253.20	220,588.00	40.01%	0.00	132,334.80
MWD Representation	8,466.15	56,954.10	126,050.00	45.18%	0.00	69,095.90
Employee Benefits	64,691.90	389,503.45	863,069.00	45.13%	0.00	473,565.55
OPEB Annual Contribution	0.00	0.00	105,188.00	0.00%	0.00	105,188.00
Employee Benefits - Grant Recovery	(447.86)	(4,782.54)	0.00	0.00%	0.00	4,782.54
Director's Benefits	6,719.84	31,042.73	60,024.00	51.72%	0.00	28,981.27
Health Ins \$'s for Retirees	4,060.10	27,197.22	50,387.00	53.98%	0.00	23,189.78
Training Expense	30.00	1,844.68	18,000.00	10.25%	0.00	16,155.32
Tuition Reimbursement	0.00	0.00	5,000.00	0.00%	0.00	5,000.00
Temporary Help Expense	0.00	1,259.54	0.00	0.00%	0.00	(1,259.54)
Personnel Expenses	353,312.31	2,046,573.30	4,734,755.00	43.22%	0.00	2,688,181.70
Engineering Expense	33,049.50	178,107.73	300,000.00	59.37%	118,840.21	3,052.06
Legal Expense	20,798.90	92,232.66	355,000.00	25.98%	257,767.34	5,000.00
Audit Expense	0.00	20,600.00	23,000.00	89.57%	0.00	2,400.00
Professional Services	48,282.69	516,751.17	1,541,837.00	33.52%	518,338.57	506,747.26
Professional Fees	102,131.09	807,691.56	2,219,837.00	36.39%	894,946.12	517,199.32
Conference-Staff	0.00	6,296.78	19,450.00	32.37%	0.00	13,153.22
Conference-Directors	475.00	4,985.00	9,800.00	50.87%	0.00	4,815.00
Travel & Accom.-Staff	3,897.98	16,485.80	56,510.00	29.17%	0.00	40,024.20
Travel & Accom.-Directors	2,001.59	7,939.34	27,600.00	28.77%	0.00	19,660.66
Travel & Conference	6,374.57	35,706.92	113,360.00	31.50%	0.00	77,653.08
Membership/Sponsorship	160.00	84,885.20	103,961.00	81.65%	0.00	19,075.80
CDR Support	0.00	19,869.76	39,740.00	50.00%	19,869.74	0.50
Dues & Memberships	160.00	104,754.96	143,701.00	72.90%	19,869.74	19,076.30
Business Expense	517.68	2,696.73	6,800.00	39.66%	0.00	4,103.27
Maintenance Office	7,699.73	45,338.91	126,670.00	35.79%	64,388.72	16,942.37
Building Repair & Maintenance	658.85	5,093.21	11,000.00	46.30%	5,906.79	0.00
Storage Rental & Equipment Lease	1,044.22	6,022.86	19,000.00	31.70%	11,977.14	1,000.00
Office Supplies	2,114.11	16,863.17	29,400.00	57.36%	1,541.07	10,995.76
Postage/Mail Delivery	1,939.72	5,698.36	11,285.00	50.49%	0.00	5,586.64
Subscriptions & Books	0.00	185.82	2,060.00	9.02%	0.00	1,874.18
Reproduction Expense	(124.25)	1,305.22	70,010.00	1.86%	37.30	68,667.48
Maintenance-Computers	44.76	4,205.03	7,100.00	59.23%	2,137.16	757.81
Software Purchase	0.00	5,477.51	18,500.00	29.61%	0.00	13,022.49
Software Support	1,300.78	20,376.82	34,000.00	59.93%	0.00	13,623.18
Computers and Equipment	0.00	15,630.65	21,150.00	73.90%	0.00	5,519.35
Automotive Expense	1,609.18	7,816.82	13,500.00	57.90%	0.00	5,683.18
Toll Road Charges	58.70	288.87	1,275.00	22.66%	0.00	986.13
Insurance Expense	8,373.30	48,762.85	96,000.00	50.79%	0.00	47,237.15
Utilities - Telephone	1,599.63	9,151.83	15,650.00	58.48%	0.00	6,498.17
Bank Fees	771.16	4,903.03	17,900.00	27.39%	0.00	12,996.97
Miscellaneous Expense	7,231.38	29,184.18	98,770.00	29.55%	0.00	69,585.82
MWDOC's Contrb. To WEROC	11,817.25	70,903.50	141,807.00	50.00%	0.00	70,903.50
Depreciation Expense	1,000.37	6,002.13	0.00	0.00%	0.00	(6,002.13)
Other Expenses	47,656.57	305,907.50	741,877.00	41.23%	85,988.18	349,981.32
MWDOC's Building Expense	0.00	22,224.55	400,000.00	5.56%	2,975.00	374,800.45
Capital Acquisition	0.00	4,356.60	6,000.00	72.61%	0.00	1,643.40
TOTAL EXPENSES	509,634.54	3,327,215.39	8,359,530.00	39.80%	1,003,779.04	4,028,535.57
NET INCOME (LOSS)	(438,265.30)	4,934,616.65	0.00			

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
Water Fund
From July thru December 2015

	Month to Date	Year to Date	Annual Budget	% Used	Budget Remaining
<u>WATER REVENUES</u>					
Water Sales	8,637,938.00	64,378,219.60	139,025,078.00	46.31%	74,646,858.40
Readiness to Serve Charge	1,100,435.75	6,602,614.50	13,214,277.00	49.97%	6,611,662.50
Capacity Charge CCF	368,705.00	2,212,230.00	4,424,460.00	50.00%	2,212,230.00
SCP Surcharge	10,162.80	126,655.16	380,000.00	33.33%	253,344.84
Interest	412.57	2,244.12	2,900.00	77.38%	655.88
TOTAL WATER REVENUES	10,117,654.12	73,321,963.38	157,046,715.00	46.69%	83,724,751.62
<u>WATER PURCHASES</u>					
Water Sales	8,637,938.00	64,378,219.60	139,025,078.00	46.31%	74,646,858.40
Readiness to Serve Charge	1,100,435.75	6,602,614.50	13,214,277.00	49.97%	6,611,662.50
Capacity Charge CCF	368,705.00	2,212,230.00	4,424,460.00	50.00%	2,212,230.00
SCP Surcharge	10,162.80	126,655.16	380,000.00	33.33%	253,344.84
TOTAL WATER PURCHASES	10,117,241.55	73,319,719.26	157,043,815.00	46.69%	83,724,095.74
EXCESS OF REVENUE OVER EXPENDITURES	412.57	2,244.12	2,900.00		

Municipal Water District of Orange County
WUE Revenues and Expenditures (Actuals vs Budget)
From July thru December 2015

	Year to Date Actual	Annual Budget	% Used
Landscape Performance Certification			
Revenues	30,227.98	118,900.00	25.42%
Expenses	<u>49,075.00</u>	<u>118,900.00</u>	41.27%
Excess of Revenues over Expenditures	(18,847.02)	0.00	
Industrial Water Use Reduction			
Revenues	150,208.65	91,236.00	164.64%
Expenses	<u>150,237.39</u>	<u>91,236.00</u>	164.67%
Excess of Revenues over Expenditures	(28.74)	0.00	
Spray To Drip Conversion			
Revenues	55,078.65	57,109.58	96.44%
Expenses	<u>63,481.93</u>	<u>57,109.58</u>	111.16%
Excess of Revenues over Expenditures	(8,403.28)	0.00	
Water Smart Landscape for Public Property			
Revenues	0.00	137,871.04	0.00%
Expenses	<u>476,647.68</u>	<u>137,871.04</u>	345.72%
Excess of Revenues over Expenditures	(476,647.68)	0.00	
Member Agency Administered Passthru			
Revenues	62,993.38	627,000.00	10.05%
Expenses	<u>62,993.38</u>	<u>627,000.00</u>	10.05%
Excess of Revenues over Expenditures	0.00	0.00	
ULFT Rebate Program			
Revenues	250,436.04	658,000.00	38.06%
Expenses	<u>260,672.50</u>	<u>658,000.00</u>	39.62%
Excess of Revenues over Expenditures	(10,236.46)	0.00	
HECW Rebate Program			
Revenues	219,798.51	696,000.00	31.58%
Expenses	<u>220,719.33</u>	<u>696,000.00</u>	31.71%
Excess of Revenues over Expenditures	(920.82)	0.00	
CII Rebate Program			
Revenues	111,350.00	509,000.00	21.88%
Expenses	<u>61,100.00</u>	<u>509,000.00</u>	12.00%
Excess of Revenues over Expenditures	50,250.00	0.00	
Large Landscape Survey			
Revenues	16,570.96	85,000.00	19.50%
Expenses	<u>10,479.50</u>	<u>85,000.00</u>	12.33%
Excess of Revenues over Expenditures	6,091.46	0.00	
Indoor-Outdoor Survey			
Revenues	4,905.63	6,800.00	72.14%
Expenses	<u>3.74</u>	<u>6,800.00</u>	0.06%
Excess of Revenues over Expenditures	4,901.89	0.00	
Turf Removal Program			
Revenues	9,644,866.59	19,075,000.00	50.56%
Expenses	<u>9,602,878.97</u>	<u>19,075,000.00</u>	50.34%
Excess of Revenues over Expenditures	41,987.62	0.00	

Municipal Water District of Orange County
WUE & Other Funds Revenues and Expenditures (Actuals vs Budget)
From July thru December 2015

	Year to Date Actual	Annual Budget	% Used
Comprehensive Landscape (CLWUE)			
Revenues	16,070.63	281,926.00	5.70%
Expenses	22,868.39	281,926.00	8.11%
Excess of Revenues over Expenditures	<u>(6,797.76)</u>	<u>0.00</u>	
Home Certification and Rebate			
Revenues	219,903.66	210,205.00	104.61%
Expenses	116,628.90	210,205.00	55.48%
Excess of Revenues over Expenditures	<u>103,274.76</u>	<u>0.00</u>	
CII, Large Landscape, Performance (OWOW)			
Revenues	11,624.03	138,725.00	8.38%
Expenses	67,374.01	138,725.00	48.57%
Excess of Revenues over Expenditures	<u>(55,749.98)</u>	<u>0.00</u>	
CA Sprinkler Adjustment Subscription System			
Revenues	5,086.28	34,432.50	14.77%
Expenses	31,981.80	34,432.50	92.88%
Excess of Revenues over Expenditures	<u>(26,895.52)</u>	<u>0.00</u>	
Rotating Nozzle			
Revenues	694.57	39,000.00	1.78%
Expenses	18,593.39	39,000.00	47.68%
Excess of Revenues over Expenditures	<u>(17,898.82)</u>	<u>0.00</u>	
WUE Projects			
Revenues	10,799,815.56	22,766,205.12	47.44%
Expenses	11,215,735.91	22,766,205.12	49.26%
Excess of Revenues over Expenditures	<u>(415,920.35)</u>	<u>0.00</u>	
WEROC			
Revenues	218,171.15	283,614.00	76.93%
Expenses	149,250.21	278,613.00	53.57%
Excess of Revenues over Expenditures	<u>68,920.94</u>	<u>5,001.00</u>	
RPOI Distributions			
Revenues	0.00	4,823.00	0.00%
Expenses	0.00	4,823.00	0.00%
Excess of Revenues over Expenditures	<u>0.00</u>	<u>0.00</u>	



Memorandum

DATE: February 10, 2016

TO: Administrative & Finance Committee
(Directors Thomas, Finnegan, Osborne)

FROM: Robert Hunter

SUBJECT: Quarter ending December 2015 Financials Actual versus Budget

The following reports are attached:

- Revenues and Expenditures Actual versus Budget for the General Fund
- Revenues and Expenditures Actual versus Budget Detailed Comparative Report for the General Fund
- Revenues and Expenditures Actual versus Budget for Water Funds
- Revenues and Expenditures Actual versus Budget for Other Funds
- Revenues and Expenditures Actual versus Budget for the Water Use Efficiency Projects

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Revenues and Expenditures Actual versus Budget Summary Report
Fiscal Year to Date ending December 2015 (Unaudited)
(\$000 Omitted)
General Fund and Reserve Fund

GENERAL FUND

	<u>YTD Actual</u>	<u>Annual Budget</u>	<u>% Used</u>
<u>REVENUES</u>			
Water Rate revenues:			
Retail connection fees	6,687	6,687	100.0%
Subtotal	6,687	6,687	100.0%
Other Revenues:			
Interest income	67	118	57.0%
Choice Programs ⁽¹⁾	1,340	1,546	86.7%
School Contracts	31	70	44.9%
Other income ⁽²⁾	137	3	4550.4%
Transfer to Reserve	0	(64)	0.0%
Subtotal	1,575	1,672	94.2%
TOTAL REVENUES	8,262	8,360	98.8%
<u>EXPENSES</u>			
Personal Expenses (incl. Dir.)	2,047	4,735	43.2%
Professional services	537	1,565	34.3%
Outside engineering	178	300	59.4%
Legal expense ⁽³⁾	92	355	26.0%
Travel & Conference	36	113	31.5%
Dues and memberships ⁽⁴⁾	105	144	72.9%
General & Admin expense	306	742	41.2%
Building Repair & Maintenance ⁽⁵⁾	22	400	5.6%
Capital acquisition (not including building repairs) ⁽⁶⁾	4	6	72.6%
TOTAL EXPENSES	3,327	8,360	39.8%
EXCESS OF REVENUES OVER EXPENSES	4,935		

RESERVE FUND

Beginning Balance	3,483
Nov 2015 - excess from FY 14-15 General Fund	1,207
Net OPEB Asset	93
TOTAL RESERVE FUND	4,783

(1) Choice programs billed in November, 2015 for fiscal year.

(2) Other Income from Open Meetings Act/Brown Act Reform and pension reimbursement.

(3) Legal expenses have been lower than anticipated due to less issues and our new BBK representative.

(4) Most Dues and Memberships are paid in the beginning of the fiscal year.

(5) Building Repair & Maintenance are in progress.

(6) Plotter purchased. Price less than quote.

Municipal Water District of Orange County
Revenues and Expenditures Actual vs Budget Line Item Report
Fiscal Year to Date ending December 2015 (Unaudited)
General Fund

	YTD ACTUAL	ANNUAL BUDGET	% Used
REVENUES			
Retail Connection Charge	6,686,660	6,687,322	99.99%
Water rate revenues	6,686,660	6,687,322	99.99%
Choice Programs	1,340,183	1,302,619	102.88%
Choice Prior Year Carry Over	0	243,338	0.00%
Interest Revenue	67,022	117,675	56.95%
Miscellaneous Income	136,512	3,000	4550.41%
School Contracts	31,456	70,000	44.94%
Transfer to Reserve	0	(64,424)	0.00%
Other revenues	1,575,172	1,672,208	94.20%
TOTAL REVENUES	8,261,832	8,359,530	98.83%

OPERATING EXPENSES			
Salaries & Wages	1,473,920	3,309,949	44.53%
less Recovery from Grants	(18,619)	(23,500)	79.23%
Directors' Compensation	88,253	220,588	40.01%
MWD Representation	56,954	126,050	45.18%
Employee Benefits	389,503	863,069	45.13%
less Recovery from Grants	(4,783)	0	0.00%
OPEB Annual Contribution	0	105,188	0.00%
Directors Benefits	31,043	60,024	51.72%
Health Insurances for Retirees	27,197	50,387	53.98%
Training Expense	1,845	18,000	10.25%
Tuition Reimbursement	0	5,000	0.00%
Temporary Help Expense	1,260	0	0.00%
Personnel Expenses	2,046,573	4,734,755	43.22%
Engineering Expense	178,108	300,000	59.37%
Legal Expense	92,233	355,000	25.98%
Audit Expense	20,600	23,000	89.57%
Professional Services	516,751	1,541,837	33.52%
Professional Fees	807,692	2,219,837	36.39%
Conference-Staff	6,297	19,450	32.37%
Conference-Directors	4,985	9,800	50.87%
Travel & Accom.-Staff	16,486	56,510	29.17%
Travel & Accom.-Directors	7,939	27,600	28.77%
Travel & Conference	35,707	113,360	31.50%
Membership/Sponsorship	84,885	103,961	81.65%
CDR Support	19,870	39,740	50.00%
Dues & Memberships	104,755	143,701	72.90%

Municipal Water District of Orange County
Revenues and Expenditures Actual vs Budget Line Item Report
Fiscal Year to Date ending December 2015 (Unaudited)
General Fund

	YTD ACTUAL	ANNUAL BUDGET	% Used
Business Expense	2,697	6,800	39.66%
Maintenance Office	45,339	126,670	35.79%
Building Repair & Maintenance	5,093	11,000	46.30%
Storage Rental & Equipment Lease	6,023	19,000	31.70%
Office Supplies	16,863	29,400	57.36%
Postage/Mail Delivery	5,698	11,285	50.49%
Subscriptions & Books	186	2,060	9.02%
Reproduction Expense	1,305	70,010	1.86%
Maintenance-Computers	4,205	7,100	59.23%
Software Purchase	5,478	18,500	29.61%
Software Support	20,377	34,000	59.93%
Computers and Equipment	15,631	21,150	73.90%
Automotive Expense	7,817	13,500	57.90%
Toll Road Charges	289	1,275	22.66%
Insurance Expense	48,763	96,000	50.79%
Utilities - Telephone	9,152	15,650	58.48%
Bank Fees	4,903	17,900	27.39%
Miscellaneous Expense	29,184	98,770	29.55%
MWDOC's Contribution To WEROC	70,904	141,807	50.00%
Depreciation Expense	6,002	0	0.00%
MWDOC Building Expense	22,225	400,000	5.56%
Capital Acquisition	4,357	6,000	0.00%
Other Expenses	332,489	1,147,877	28.97%
TOTAL EXPENSES	3,327,216	8,359,530	39.80%
EXCESS OF REVENUES OVER EXPENSES	4,934,616	0	

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Statement of Revenues and Expenditures
Fiscal Year to Date ending December 2015 (Unaudited)
Water Funds

	<u>YTD Actual</u>	<u>Annual Budget</u>	<u>Balance</u>
<u>Water Revenues</u>			
Water Sales	64,378,220	139,025,078	(74,646,858)
Ready to Serve Charge	6,602,615	13,214,277	(6,611,663)
Capacity Charge Flat Rate	2,212,230	4,424,460	(2,212,230)
SCP Surcharge	126,655	380,000	(253,345)
Interest	<u>2,244</u>	<u>2,900</u>	<u>(656)</u>
Total Water Revenues	<u>73,321,963</u>	<u>157,046,715</u>	<u>(83,724,752)</u>
 <u>Water Purchases</u>			
Water Sales	64,378,220	139,025,078	(74,646,858)
Ready to Serve Charge	6,602,615	13,214,277	(6,611,663)
Capacity Charge	2,212,230	4,424,460	(2,212,230)
SCP Surcharge	<u>126,655</u>	<u>380,000</u>	<u>(253,345)</u>
Total Water Purchases	<u>73,319,719</u>	<u>157,043,815</u>	<u>(83,724,096)</u>
EXCESS OF REVENUES OVER EXPENDITURES	<u>2,244</u>	<u>2,900</u>	<u>(656)</u>

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Revenues and Expenditures Actual versus Budget
Fiscal Year to Date ending December 2015 (Unaudited)
Other Funds

	<u>YTD Actual</u>	<u>Annual Budget</u>	<u>Balance</u>
<u>WEROC</u>			
Revenues	218,171	283,614	(65,443)
Expenditures	149,250	278,613	(129,363)
Excess of Revenues over Expenditures	68,921	5,001	63,920
<u>WUE Projects (details on next page)</u>			
Revenues	10,799,816	22,766,205	(11,966,390)
Expenditures	11,215,736	22,766,205	(11,550,469)
Excess of Revenues over Expenditures	(415,920)	0	(415,920)
<u>RPOI Distribution</u>			
Revenues	0	4,823	(4,823)
Expenditures	0	4,823	(4,823)
Excess of Revenues over Expenditures	0	0	0

Footnote:

- 1) The excess of expense over revenue is waiting for reimbursement.
- 2) USBR (Federal) Grant is billed in October and April with funds being received one month later.
- 3) DWR is billed quarterly to county and takes a few months to a year to receive funds.

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Revenues and Expenditures Actual versus Budget
Fiscal Year to Date ending December 2015 (Unaudited)
Water Use Efficiency Projects

	<u>Actual</u>	<u>Variance</u> <u>%</u>	<u>Fiscal Year</u> <u>Budget</u>	<u>% of</u> <u>Budget</u>	<u>Projected</u> <u>Final</u> <u>FY Budget</u>
<u>Landscape Performance Certification</u>					
Revenues	30,228		118,900	25.42%	118,900
Expenditures	<u>49,075</u>		<u>118,900</u>	41.27%	<u>118,900</u>
Excess of Revenues over Expenditures	(18,847)	-62%	0		

Actual Variance: MET reporting is every two months. Difference will catch up.

Budget Variance: No comment needed.

<u>Industrial Water Use Reduction</u>					
Revenues	150,209		91,236	164.64%	91,236
Expenditures	<u>150,237</u>		<u>91,236</u>	164.67%	<u>91,236</u>
Excess of Revenues over Expenditures	(29)	0%	0		

Actual Variance: No comment needed.

Budget Variance: No comment needed.

<u>Spray to Drip Conversion</u>					
Revenues	55,079		57,110	96.44%	57,110
Expenditures	<u>63,482</u>		<u>57,110</u>	111.16%	<u>57,110</u>
Excess of Revenues over Expenditures	(8,403)	-15%	0		

Actual Variance: No comment needed.

Budget Variance: No comment needed.

<u>Water Smart Landscape for Public Property</u>					
Revenues	0		137,871	0.00%	137,871
Expenditures	<u>476,648</u>		<u>137,871</u>	345.72%	<u>137,871</u>
Excess of Revenues over Expenditures	(476,648)	100%	0		

Actual Variance: Grantee (DWR) slow to pay invoices.

Budget Variance: Expenses ended up hitting all at once, rather than over several fiscal years.

Notes:

[1] Variance from Revenues to Expenses. When greater than 5%, an explanation is provided.

[2] Fiscal year budget versus Actual

[3] With each quarterly report the projected fiscal year end budget may be re-adjusted.

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Revenues and Expenditures Actual versus Budget
Fiscal Year to Date ending December 2015 (Unaudited)
Water Use Efficiency Projects

	<u>Actual</u>	<u>Variance</u> <u>%</u>	<u>Fiscal Year</u> <u>Budget</u>	<u>% of</u> <u>Budget</u>	<u>Projected</u> <u>Final</u> <u>FY Budget</u>
<u>Member Agency Administered Pass thru</u>					
Revenues	62,993		627,000	10.05%	627,000
Expenditures	<u>62,993</u>		<u>627,000</u>	10.05%	<u>627,000</u>
Excess of Revenues over Expenditures	0	0%	0		

Actual Variance: No comment needed.

Budget Variance: No comment needed.

ULFT Rebate Program

Revenues	250,436		658,000	38.06%	658,000
Expenditures	<u>260,673</u>		<u>658,000</u>	39.62%	<u>658,000</u>
Excess of Revenues over Expenditures	(10,236)	-4%	0		

Actual Variance: No comment needed.

Budget Variance: No comment needed.

HECW Rebate Program

Revenues	219,799		696,000	31.58%	696,000
Expenditures	<u>220,719</u>		<u>696,000</u>	31.71%	<u>696,000</u>
Excess of Revenues over Expenditures	(921)	0%	0		

Actual Variance: No comment needed.

Budget Variance: No comment needed.

CII Rebate Program

Revenues	111,350		509,000	21.88%	509,000
Expenditures	<u>61,100</u>		<u>509,000</u>	12.00%	<u>509,000</u>
Excess of Revenues over Expenditures	50,250	45%	0		

Actual Variance: Received pre-funding.

Budget Variance: Program just beginning.

Notes:

[1] Variance from Revenues to Expenses. When greater than 5%, an explanation is provided.

[2] Fiscal year budget versus Actual

[3] With each quarterly report the projected fiscal year end budget may be re-adjusted.

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Revenues and Expenditures Actual versus Budget
Fiscal Year to Date ending December 2015 (Unaudited)
Water Use Efficiency Projects

	<u>Actual</u>	<u>Variance</u> <u>%</u>	<u>Fiscal Year</u> <u>Budget</u>	<u>% of</u> <u>Budget</u>	<u>Projected</u> <u>Final</u> <u>FY Budget</u>
<u>Large Landscape Survey</u>					
Revenues	16,571		85,000	19.50%	85,000
Expenditures	<u>10,480</u>		<u>85,000</u>	12.33%	<u>85,000</u>
Excess of Revenues over Expenditures	6,091	37%	0		

Actual Variance: No comment needed.

Budget Variance: No comment needed.

<u>Indoor-Outdoor Survey</u>					
Revenues	4,906		6,800	72.14%	6,800
Expenditures	<u>4</u>		<u>6,800</u>	0.06%	<u>6,800</u>
Excess of Revenues over Expenditures	4,902	100%	0		

Actual Variance: These funds are collected from MET and will be used at a later date for installation verification services.

Budget Variance: No comment needed.

<u>Turf Removal Program</u>					
Revenues	9,644,867		19,075,000	50.56%	19,075,000
Expenditures	<u>9,602,879</u>		<u>19,075,000</u>	50.34%	<u>19,075,000</u>
Excess of Revenues over Expenditures	41,988	0%	0		

Actual Variance: No comment needed.

Budget Variance: No comment needed.

<u>Comprehensive Landscape (CLWUE)</u>					
Revenues	16,071		281,926	5.70%	281,926
Expenditures	<u>22,868</u>		<u>281,926</u>	8.11%	<u>281,926</u>
Excess of Revenues over Expenditures	(6,798)	-42%	0		

Actual Variance: Expenditures out ahead of collecting revenues.

Budget Variance: No comment needed.

Notes:

[1] Variance from Revenues to Expenses. When greater than 5%, an explanation is provided.

[2] Fiscal year budget versus Actual

[3] With each quarterly report the projected fiscal year end budget may be re-adjusted.

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Revenues and Expenditures Actual versus Budget
Fiscal Year to Date ending December 2015 (Unaudited)
Water Use Efficiency Projects

	<u>Actual</u>	<u>Variance</u> <u>%</u>	<u>Fiscal Year</u> <u>Budget</u>	<u>% of</u> <u>Budget</u>	<u>Projected</u> <u>Final</u> <u>FY Budget</u>
<u>Home Certification and Rebate</u>					
Revenues	219,904		210,205	104.61%	210,205
Expenditures	<u>116,629</u>		<u>210,205</u>	55.48%	<u>210,205</u>
Excess of Revenues over Expenditures	103,275	47%	0		

Actual Variance: Revenue request from Grants are submitted bi-annually in October and April.

Budget Variance: MET is slow to report numbers.

<u>CII, Large Landscape, Performance (OWOW)</u>					
Revenues	11,624		138,725	8.38%	138,725
Expenditures	<u>67,374</u>		<u>138,725</u>	48.57%	<u>138,725</u>
Excess of Revenues over Expenditures	(55,750)	-480%	0		

Actual Variance: Expenditures out ahead of collecting revenues.

Budget Variance: No comment needed.

<u>CA Sprinkler Adjustment Subscriptions System</u>					
Revenues	5,086		34,433	14.77%	34,433
Expenditures	<u>31,982</u>		<u>34,433</u>	92.88%	<u>34,433</u>
Excess of Revenues over Expenditures	(26,896)	-529%	0		

Actual Variance: Expenditures out ahead of collecting revenues.

Budget Variance: No comment needed.

<u>Rotating Nozzle</u>					
Revenues	695		39,000	1.78%	39,000
Expenditures	<u>18,593</u>		<u>39,000</u>	47.68%	<u>39,000</u>
Excess of Revenues over Expenditures	(17,899)	-2577%	0		

Actual Variance: Expenditures out ahead of collecting revenues.

Budget Variance: No comment needed.

Notes:

[1] Variance from Revenues to Expenses. When greater than 5%, an explanation is provided.

[2] Fiscal year budget versus Actual

[3] With each quarterly report the projected fiscal year end budget may be re-adjusted.



ACTION ITEM

February 17, 2016

TO: Administration & Finance Committee
(Directors Thomas, Finnegan, Osborne)

FROM: Wayne Osborne, President

SUBJECT: STANDING COMMITTEE AND AD HOC COMMITTEE APPOINTMENTS FOR 2016; SCHEDULE OF COMMITTEE MEETING DATES FOR 2016

PRESIDENT'S RECOMMENDATION

It is recommended that the Board of Directors: (1) ratify the list of Standing Committee and Ad Hoc Committee Appointments as presented by the President of the Board; and (2) ratify Committee meeting dates/times for 2016.

COMMITTEE RECOMMENDATION

Committee concurred with President Dick's recommendations.

SUMMARY

In accordance with the MWDOC Administrative Code, the Board of Directors shall consider the appointment of members of its Standing Committees by the end of February of each year. It also provides the Board shall review and establish Special Committees as appropriate. Members shall be appointed to Standing and Special Committees by the President of the Board and ratified by the Board of Directors. The current Standing Committees of the Board of Directors are:

Administration & Finance Committee
Planning & Operations Committee
Public Affairs & Legislation Committee
Executive Committee
MWDOC/OCWD Joint Planning Committee (full Board)

Attached is President Osborne's slate of nominations to MWDOC Standing and Ad Hoc Committees, along with proposed meeting dates for the upcoming year.

Budgeted (Y/N): NA	Budgeted amount: NA	Core __	Choice __
Action item amount: NA		Line item:	
Fiscal Impact (explain if unbudgeted):			

2016
STANDING COMMITTEE APPOINTMENTS
Municipal Water District of Orange County

STANDING COMMITTEE	MEMBERS	COMMITTEE DATE (Attached is List of Exact Dates for 2016)
Executive Committee (President, Vice President and Immediate Past President)	L. Osborne, Chair B. Barbre L. Dick	Thursday following Regular Board meeting 8:30 a.m.
Administration & Finance Committee	J. Thomas, Chair B. Barbre J. Finnegan	2 nd Wednesday 8:30 a.m.
Planning & Operations Committee	L. Dick, Chair S. Hinman J. Finnegan	1 st Monday 8:30 a.m.
Public Affairs & Legislation Committee	S. Tamaribuchi, Chair S. Hinman B. Barbre	3 rd Monday 8:30 a.m.
MWDOC/OCWD Joint Planning Committee	All MWDOC Directors	4 th Wednesday 8:30 a.m.
AD HOC COMMITTEES	Members	Alternates
Ad Hoc Committee on Water Policy Forum	B. Barbre L. Dick	
Ad Hoc Committee on Member Agency Relations	J. Thomas S. Hinman S. Tamaribuchi	
Ad Hoc Committee Re Water Summit	J. Thomas W. Osborne S. Tamaribuchi	
Ad Hoc Committee on MWDOC/OCWD Building Issues	B. Barbre S. Tamaribuchi	
Ad Hoc Committee on Desalination	S. Hinman J. Finnegan W. Osborne	

**STANDING COMMITTEE DATES FOR 2016
(Through February 2017)**

Planning & Operations Committee

*This Committee generally meets the first Monday of each month at 8:30 a.m. An * indicates those months requiring a change in the meeting date and/or time (due to holiday or conflict)*

Monday	March 14, 2016	8:30 a.m. (Second Monday due to conflict with MET)
Monday	April 4, 2016	8:30 a.m.
Monday	May 2, 2016	8:30 a.m.
Monday	June 6, 2016	8:30 a.m.
*Tuesday	July 5, 2016	8:30 a.m. (Meets on Tuesday due to holiday)
Monday	August 1, 2016	8:30 a.m.
*Tuesday	September 6, 2016	8:30 a.m. (Meets on Tuesday due to holiday)
Monday	October 3, 2016	8:30 a.m.
Monday	November 14, 2016	8:30 a.m.
Monday	December 5, 2016	8:30 a.m.
*Tuesday	January 3, 2017	8:30 a.m. (Meets on Tuesday due to holiday)
Monday	February 6, 2017	8:30 a.m.

Administration & Finance Committee

*This Committee generally meets the second Wednesday of each month at 8:30 a.m. An * indicates those months requiring a change in the meeting date (due to holiday or conflict)*

Wednesday	March 9, 2016	8:30 a.m.
Wednesday	April 13, 2016	8:30 a.m.
Wednesday	May 11, 2016	8:30 a.m.
Wednesday	June 8, 2016	8:30 a.m.
Wednesday	July 13, 2016	8:30 a.m.
Wednesday	August 10, 2016	8:30 a.m.
Wednesday	September 14, 2016	8:30 a.m.
Wednesday	October 12, 2016	8:30 a.m.
Wednesday	November 9, 2016	8:30 a.m.
Wednesday	December 14, 2016	8:30 a.m.
Wednesday	January 11, 2017	8:30 a.m.
Wednesday	February 8, 2017	8:30 a.m.

Public Affairs & Legislation Committee

*This Committee generally meets the third Monday of each month at 8:30 a.m. An * indicates those months requiring a change in the meeting date (due to holiday or conflict)*

Monday	March 21, 2016	8:30 a.m.
Monday	April 18, 2016	8:30 a.m.
Monday	May 16, 2016	8:30 a.m.
Monday	June 20, 2016	8:30 a.m.
Monday	July 18, 2016	8:30 a.m.
*Monday	August 8, 2016	8:30 a.m. (2nd Monday due to MET conflict)
Monday	September 19, 2016	8:30 a.m.
Monday	October 17, 2016	8:30 a.m.

Monday	November 21, 2016	8:30 a.m.
Monday	December 19, 2016	8:30 a.m.
Monday	January 16, 2017	8:30 a.m.
*Tuesday	February 21, 2017	8:30 a.m. (Tuesday due to holiday)

Executive Committee

*This Committee generally meets the Thursday following the Regular Board Meeting at 8:30 a.m.; the Regular Board meeting is held the third Wednesday of each month at 8:30 a.m. An * indicates those months requiring a change in the meeting date (due to holiday or conflict)*

Thursday	March 17, 2016	8:30 a.m.
Thursday	April 21, 2016	8:30 a.m.
Thursday	May 19, 2016	8:30 a.m.
Thursday	June 16, 2016	8:30 a.m.
Thursday	July 21, 2016	8:30 a.m.
Thursday	August 18, 2016	8:30 a.m.
Thursday	September 22, 2016	8:30 a.m.
Thursday	October 20, 2016	8:30 a.m.
Thursday	November 17, 2016	8:30 a.m.
*Tuesday	December 20, 2016	8:30 a.m. (Meets Tuesday due to holidays)
Thursday	January 19, 2017	8:30 a.m.
Thursday	February 16, 2017	8:30 a.m.

MWDOC/OCWD Joint Planning Committee Meetings

*This Committee generally meets the fourth Wednesday of each month at 8:30 a.m. An * indicates those months requiring a change in the meeting date (due to holiday or conflict)*

Wednesday	April 27, 2016	8:30 a.m.
Wednesday	July 27, 2016	8:30 a.m.
Wednesday	October 26, 2016	8:30 a.m.
Wednesday	January 25, 2017	8:30 a.m.

MWDOC Elected Officials Forums

These meetings are held twice a year (April/November); historically on the first Thursday of the month

Thursday	April 7, 2016	6:00 p.m.
Thursday	November 3, 2016	6:00 p.m.

By Resolution, the Board established its Board meeting dates as the first and third Wednesdays of each month at 8:30 a.m.

Proposed Canceled Board Meeting Dates Due to Conflicts with ACWA

May 4, 2016 Workshop Board Meeting with MET Directors



ACTION ITEM
February 17, 2016

TO: Board of Directors
FROM: Wayne Osborne, President
SUBJECT: ASSOCIATION AND COMMISSION APPOINTMENTS FOR 2016

PRESIDENT'S RECOMMENDATION

It is recommended that the Board of Directors:

1. Ratify the appointment of Representatives and Alternates to Associations as presented by the President of the Board; and
2. Adopt proposed Resolution approving the appointment of one Representative and an Alternate to the Santiago Aqueduct Commission (SAC), for submission to SAC.

COMMITTEE RECOMMENDATION

To be determined.

DETAILED REPORT

In accordance with Board policy, the appointment of MWDOC Board Representatives to outside associations are to be considered by the end of February of each year. The policy provides that appointments shall be ratified by the Board of Directors, as presented by the President of the Board.

Attached are President Osborne's recommendations for Association and Commission appointments for 2016.

Budgeted (Y/N): NA	Budgeted amount: NA	Core __	Choice __
Action item amount: NA		Line item:	
Fiscal Impact (explain if unbudgeted):			

2016 AGENCY REPRESENTATIVES' APPOINTMENTS Municipal Water District of Orange County		
Association/Commission	Members	Normal Meeting Times
Santiago Aqueduct Commission	Rep.: J. Thomas Alt: K. Seckel	Quarterly; 3 rd Thurs. at 8:30 a.m.
Water Advisory Committee of Orange County (WACO) Planning Committee <i>Staff Support: H. Baez</i>	Rep: L. Dick S. Hinman J. Finnegan	3 rd Tuesday 7:30 am
Independent Special Districts of OC (ISDOC) <i>Staff Support: H. Baez</i>	Rep: L. Dick J. Finnegan W. Osborne	1 st Tues 7:30 am
NWRA Municipal Caucus <i>Staff Support: H. Baez</i>	Rep: L. Ackerman	
Southern California Water Committee <i>Staff Support: H. Baez/R. Hunter</i>	Reps: S. Hinman S. Tamaribuchi L. Dick	
Orange County Business Council www.ocbc.org Legislative <i>Staff Support: H. Baez</i> Infrastructure <i>Staff Support: H. Baez/R. Hunter</i>	Reps: L. Dick S. Tamaribuchi Reps: S. Tamaribuchi L. Dick	2/5/16 9:30 am 4/1/16 9:30 am 5/6/16 9:30 am 6/3/16 9:30 am 8/5/16 9:30 am 2/9/16 7:30 am 3/8/16 7:30 am 4/12/16 7:30 am 5/10/16 7:30 am 6/14/16 7:30 am
California Special Districts Association	Rep: J. Finnegan Alt: L. Dick	

Colorado River Water Users Association <i>Staff Support: H. DeLaTorre</i>	MWDOC Board of Directors	Annually in Dec.
Center for Demographic Research Oversight Committee <i>Staff Support: K. Seckel</i>	Rep: J. Finnegan Alt: B. Barbre	
ACWA Joint Powers Insurance Authority <i>Staff Support: C. Harris</i>	Rep: J. Finnegan Alt: L. Dick	
ACWA Federal Affairs Committee <i>Staff Support: H. Baez</i>	Rep: L. Ackerman	
ACWA Local Government Committee <i>Staff Support: H. Baez</i>	Reps: S. Hinman L. McKenney	
ACWA Region 10 <i>Staff Support: H. Baez</i>	All Directors Eligible to Attend	
Orange County Council of Governments	Rep: J. Finnegan Alt: S. Hinman	4 th Thurs. at 10:30 am (no meetings, July and December; November is 3 rd Thurs.)
Orange County Operational Area Executive Board <i>Representative Appointed by ISDOC</i> <i>Staff Support: K. Hubbard</i>	Rep: K. Hubbard Alt: S. Hinman J. Finnegan	Quarterly, 2:45 pm (normally Wed)
CALDesal <i>Staff Support: K. Seckel</i>	Rep: K. Seckel Alt: W. Osborne S. Hinman B. Barbre	
South Orange County Economic Coalition	Rep: J. Thomas Alt: S. Hinman	
South Orange County Watershed Management Area Executive Committee <i>Staff Support: K. Seckel J. Berg</i>	Rep: S. Hinman Alt: J. Thomas	
Association of California Cities; Orange County	Rep: W. Osborne	



ACTION ITEM
February 17, 2016

TO: Board of Directors

FROM: **Administration & Finance Committee**
(Directors Thomas, Osborne, Finnegan)

Robert J. Hunter, General Manager

Staff Contacts: Cathleen M. Harris, Administrative Service Manager

SUBJECT: Restatement of Municipal Water District of Orange County Money Purchase Pension Plan and Submission to Internal Revenue Service

STAFF RECOMMENDATION

It is recommended that the Board of Directors:

1. Approve the restatement of the Municipal Water District of Orange County Money Purchase Pension Plan ("Plan"), effective January 1, 2016.
2. Authorize the General Manager to execute the restated Plan document.
3. Authorize the General Manager to give power of attorney to and instruct Best, Best & Krieger LLP ("BBK") to submit the Plan to the Internal Revenue Service ("IRS") for a determination regarding the Plan's qualified status and pay the required amounts for the filing.
4. Authorize the General Manager to give power of attorney to and instruct BBK to submit an application under the IRS' voluntary correction program to correct certain required amendments and pay the required amounts for the filing.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

Budgeted (Y/N): No	Budgeted amount:	Core X	Choice __
Action item amount: \$3,250		Line item: 2000-13-7040	
Fiscal Impact (explain if unbudgeted): There are specific funds in the above referenced cost item to cover this expense.			

The IRS maintains a determination letter program in order to provide retirement plan sponsors assurances that their plans are deemed qualified by the IRS. MWDOC previously obtained a determination letter for the Municipal Water District of Orange County Money Purchase Pension Plan ("Plan") from the IRS, 18 years ago, dated February 27, 1998. While getting a determination letter is not required for a governmental plan, BBK recommended getting an updated determination letter as a good practice given the Board's fiduciary duty to maintain the plan in good standing. Another reason for BBK's recommendation was the fact that the IRS would be discontinuing the regular determination letter process after 2016. This means that a plan receiving the determination letter would remain in good standing indefinitely unless a compliance error occurred subsequently.

In the course of preparing and reviewing the Plan for submission for a determination letter, BBK discovered that the 2001 and 2003 amendments had been adopted after the required deadlines established by the IRS. As a result, a voluntary correction program ("VCP") application must be filed concurrently with the determination letter request to correct the amendments.

Based on Legal Counsel's review and advice, staff recommends the Board authorize the General Manager to direct BBK to file the determination letter and VCP applications with the IRS concurrently.

In addition, the IRS requires that retirement plans be restated as part of the determination letter application even when filed concurrently with a VCP application. As such, staff recommends the Board of Directors approve the restatement of the Plan effective January 1, 2016 and authorize the General Manager to execute the restated Plan. The total filing fees for a determination letter filing and the VCP application are \$3,250.

A copy of the restated Plan along with a redline showing the changes is enclosed. Those highlighted in yellow represent changes consistent with the Public Employees' Pension Reform Act of 2013, changes highlighted in green represent changes required connection with the determination letter process, and changes highlighted in blue represent amendments approved by the Board since the last restatement which have been incorporated into the new restated Plan.

RESOLUTION NO. _____

**RESOLUTION APPROVING THE RESTATEMENT OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY MONEY
PURCHASE PENSION PLAN, SUBMISSION OF THE RESTATED
PENSION PLAN TO THE IRS FOR A DETERMINATION OF
QUALIFIED STATUS, AND SUBMISSION TO THE IRS UNDER THE
VOLUNTARY CORRECTION PROGRAM**

WHEREAS, the Municipal Water District of Orange County (“District”) previously established a qualified retirement plan known as the Municipal Water District of Orange County Money Purchase Pension Plan (the “Pension Plan”) for the benefit of certain employees; and

WHEREAS, it is necessary at this time to amend the Pension Plan to comply with the California Public Employee’s Pension Reform Act and other federal regulatory changes; and

WHEREAS, it is necessary to restate the Pension Plan in its entirety in connection with submission of the Pension Plan to the Internal Revenue Service (“IRS”) for a determination regarding the Pension Plan’s qualified status under Section 401(a) of the Internal Revenue Code; and

WHEREAS, Best, Best & Krieger LLP (“BBK”) has prepared a restated plan document, effective January 1, 2016, for review by the Board of Directors; and

WHEREAS, BBK has prepared an application for a determination regarding the Pension Plan’s qualified status under Section 401(a) of the Internal Revenue Code for review by District staff; and

WHEREAS, in the course of its review of the Pension Plan, BBK discovered that certain amendments to the Pension Plan in 2001 and 2003 were adopted late resulting in a qualification failure under Section 401(a) of the Internal Revenue Code; however, the foregoing may be corrected by filing an application under the voluntary correction program of the IRS’ Employee Plans Compliance Resolution System; and

WHEREAS, BBK has prepared an application under the voluntary correction program for review by District staff.

NOW, THEREFORE, be it resolved, determined and ordered by the Board of Directors of the Municipal Water District of Orange County as follows:

- Section 1.** That the above recitals are true and correct.
- Section 2.** That the Board of Directors hereby approves the restated Pension Plan heretofore considered and discussed.
- Section 3.** That the District hereby authorizes the General Manager, or his or her designee, to duly execute the restated Pension Plan on behalf of the District.

Section 4. That the General Manager, or his or her designee, is hereby authorized to give BBK an appropriate power of attorney, and to instruct them to take such action as shall be necessary to submit the Pension Plan for a determination letter request and secure a ruling from the Internal Revenue Service that the Pension Plan is qualified under Section 401(a) of the Internal Revenue Code.

Section 5. That the General Manager, or his or her designee, is hereby authorized to give BBK an appropriate power of attorney, and to instruct them to take such action as shall be necessary to submit the Pension Plan for correction under the voluntary correction program and secure a compliance statement from the Internal Revenue Service.

APPROVED, SIGNED AND ADOPTED on this _____ day of _____, 2016 by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAINED:

Maribeth Goldsby, District Secretary
Municipal Water District of Orange County

RESOLUTION NO. _____
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

RE: DESIGNATION OF MEMBER AND
ALTERNATES TO SANTIAGO AQUEDUCT COMMISSION

2016

WHEREAS, the Santiago Aqueduct Commission (SAC) was formed to manage and operate the Santiago Aqueduct system; and

WHEREAS, the SAC consists of six (6) members, one member each of the governing bodies from El Toro Water District, Irvine Ranch Water District, Trabuco Canyon Water District, Santa Margarita Water District, Moulton Niguel Water District and Municipal Water District of Orange County (MWDOC); and

WHEREAS, it is understood that MWDOC represents itself and East Orange County Water District, County of Orange and the Irvine Company; and

WHEREAS, under the provisions of the Santiago Aqueduct Commission Joint Powers Agreement, MWDOC has the right to designate one member to the SAC and a first and second alternate to serve in the absence of the regular member.

NOW, THEREFORE, BE IT RESOLVED that MWDOC hereby designates Jeffery Thomas as the member, and Karl Seckel as alternate to the Santiago Aqueduct Commission, to assume their positions upon taking the oath of office.

Said Resolution was adopted this _____ day of _____, 2016 by the following roll call vote.

AYES:
NOES:
ABSENT:
ABSTAIN:

I HEREBY CERTIFY the foregoing is a full, true and correct copy of Resolution No. _____ adopted by the Board of Directors of Municipal Water District of Orange County at its meeting held on _____.

Maribeth Goldsby, Secretary
Municipal Water District of Orange County

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
MONEY PURCHASE PENSION PLAN

[Restated Effective January 1, 2016](#)

[Prepared by Best Best & Krieger LLP](#)

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MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

MONEY PURCHASE PENSION PLAN

INTRODUCTION

A. MUNICIPAL WATER DISTRICT OF ORANGE COUNTY (“Employer”) maintains the MUNICIPAL WATER DISTRICT OF ORANGE COUNTY MONEY PURCHASE PENSION PLAN (the “Plan”).

B. It is necessary for the Employer to amend and restate the Plan to ~~comply with the Pension Protection Act of 2006 (“PPA”) effective as of January 1, 2007, Heroes Earnings Assistance and Relief Tax Act of 2008 (“HEART”) effective as of January 1, 2007, Worker, Retiree, and Employer Recovery Act of 2008 (“WRERA”) effective as of January 1, 2009,~~ incorporate previously adopted amendments and to comply with the California Public Employees’ Pension Reform Act of 2013 (“PEPRA”) and other regulatory ~~related~~ guidance.

~~C. The Employer also wishes to amend and restate the Plan to eliminate contributions by the Employer on behalf of members of the Board of Directors of the Employer (“Directors”) and to make other conforming changes.~~

~~DC.~~ Accordingly, the Employer hereby amends and restates the Plan effective January 1, ~~2015~~2016, except as otherwise indicated.

ARTICLE I TITLE

This Plan shall be known as the MUNICIPAL WATER DISTRICT OF ORANGE COUNTY MONEY PURCHASE PENSION PLAN.

ARTICLE II GENERAL DEFINITIONS

For purposes of the Plan, the following words and phrases, when used herein, shall have the following meanings, unless their context clearly indicates otherwise or an Article specifically provides otherwise:

2.1 Account. “Account” or “Accounts” shall mean any of the individual accounts maintained by the Employer to record a Participant’s interest in the Trust as specified in Article VII.

2.2 Administrator. “Administrator” shall mean the Employer, as described in Article ~~IV~~V.

2.3 Annuity Contract. “Annuity Contract” shall refer to any annuity purchased from an insurance company selected by the Participant or Beneficiary.

2.4 Beneficiary. “Beneficiary” shall mean a person who will become entitled to receive benefits under the Plan upon the death of a Participant, as provided in Article X.

2.5 CalPERS. “CalPERS” shall refer to the California Public Employees’ Retirement System created under the authority of the Public Employees’ Retirement Law as provided under Section 20000 et. seq. of the California Government Code, as may be amended from time to time, and as administered by the CalPERS Board of Administration.

2.6 Code. “Code” shall mean the Internal Revenue Code of 1986, amendments thereto and Regulations issued thereunder.

2.7 Compensation. ~~“Compensation” shall mean:~~

(a) ~~“Compensation” or any Participant who is not a New Member shall mean~~ a Participant’s wages or salary paid by the Employer during the Plan Year within the meaning of Code Section 3401(a).

(1) ~~(b)~~ For the purposes of applying the limitations under Code Section 415, “Compensation” paid or made available during the Plan Year shall also include differential wage payments under Code Section 3401(h), elective deferral contributions that are made by the Employer on behalf of the Participant under Code Section 402(g)(3), and any amount which is contributed or deferred by the Employer at the election of Employee and which is not includible in the gross of the income of the Participant by reason of Code Section 125, 132(f)(4), 457, 402(h) and 403(b). Effective for Plan Years beginning on or after January 1, 2006, “Compensation” shall also include any amount which is contributed or deferred by the Employer and which is includible in the gross income of the Participant under Code Section 402A.

(2) ~~(1)~~ Excluded Compensation. Compensation shall not include the following:

(i) Employer contributions (other than elective contributions under Code Section 402(e)(3), Section 408(k)(6), Section 408(p)(2)(A)(i), or to a deferred compensation plan under Section 457(b) to the extent such contributions are not includible in the Participant’s gross income for the tax year in which contributed, and any distributions (whether or not includible in gross income when distributed) from a deferred compensation plan);

(ii) Other amounts that receive special tax benefits, such as premiums for group-term life insurance (but only to the extent

that the premiums are not includible in the gross income of the employee and are not salary reduction amounts to a cafeteria plan under Code Section 125);

(iii) Any other items of similar remuneration.

(3) ~~(2)~~ Post-Severance Employment. Effective for Plan Years beginning on or after July 1, 2007, "Compensation" shall also include any amount which is paid within two and one-half (2½) months following a Severance from Employment or by the end of the Plan Year in which the Severance from Employment occurs, including the following types of payments:

(i) Regular Pay. Compensation attributable to services performed by Employee during the Employee's regular working hours as well as outside the Employee's regular working hours (including overtime, commissions, bonuses, or other similar payments) and which would have been paid prior to the Employee's Severance from Employment if the Employee had continued in employment with Employer.

(ii) Accrued Paid Leave. Amounts paid for unused accrued bona fide sick, vacation or other leave provided the Employee would have been able to use the leave prior to Severance from Employment.

(iii) Deferred Compensation. Compensation paid to the Employee pursuant to a nonqualified deferred compensation plan sponsored by the Employer and includible in the Employee's gross income so long as the payment would have been made if the Employee had continue in employment with Employer.

Any payments not described above shall not be considered Compensation if paid after Severance from Employment, even if they are paid by the later of 2½ months after the date of Severance from Employment or the end of the Limitation Year that includes the date of Severance from Employment. Compensation shall not include any severance payments or salary continuation payments paid by the Employer due to military service or Disability.

(4) Notwithstanding, the Compensation of any Participant in excess of the Compensation Limit for such Plan Year will not be included.

(b) "Compensation" for any Participant who is a New Member shall mean "Pensionable Compensation," as defined in California Government Code Section 7522.34. "Pensionable Compensation" means the normal monthly rate of pay or base pay of the Employee paid in cash to similarly situated Employees of the same group or class of employment for services rendered on a full-time basis during normal working hours, pursuant to

publicly available pay schedules. "Pensionable Compensation" shall not include the following:

(1) Compensation previously provided in kind to the Employee, or paid directly to a third party other than the Plan for the Employee's benefit and that was converted to and received by the Employee in the form of a cash payment.

(2) One-time or ad hoc payments.

(3) Severance or other payment granted or awarded to an Employee in connection with or in anticipation of separation from employment, but received while the Employee is employed.

(4) Payments for unused vacation, annual leave, personal leave, sick leave, or compensatory time off, however denominated, whether paid in a lump sum or otherwise, regardless of when reported or paid.

(5) Payments for additional services rendered outside of normal working hours, whether paid in a lump sum or otherwise.

(6) Any Employer-provided allowance, reimbursement, or payment, including, but not limited to, one made for housing, vehicle, or uniforms.

(7) Overtime compensation.

(8) Employer contributions to deferred compensation or defined contribution plans.

(9) Bonuses.

(10) Any amounts the Board of Directors of the Employer determines: (1) were paid to increase the Employee's retirement; (2) are inconsistent with PEPRA's definition of "Pensionable Compensation"; or (3) should not be considered "Pensionable Compensation."

2.8 Compensation Limit. "Compensation Limit" shall mean the maximum amount of Compensation (as defined in Section 2.7 ~~pursuant to Code Section 414(s) and the Regulations issued thereunder~~) that shall be taken into account for each Participant during each Plan Year for determining all benefits provided under the Plan, as provided herein. The annual Compensation Limit for each Participant for each Plan Year after January 1, 2007 ~~2016~~ shall be ~~\$225,000~~ \$265,000, as adjusted by the Commissioner of Internal Revenue for increases in the cost-of-living in accordance with Code Section 401(a)(17)(B). Annual Compensation means Compensation during the Plan Year or such other consecutive twelve (12) month period over which Compensation is otherwise determined under the Plan (the "determination period"). The cost-of-living adjustment in effect for a calendar year applies to annual Compensation for the determination period that begins with or within such calendar year. If a determination period

consists of fewer than twelve (12) months, the annual Compensation Limit will be multiplied by a fraction, the numerator of which is the number of months in the determination period, and the denominator of which is twelve (12). If Compensation for any prior determination period is taken into account in determining a Participant's allocations for the current Plan Year, the Compensation for such prior determination period is subject to the applicable annual Compensation Limit in effect for that prior period.

2.9 Disability. "Disability" shall mean the inability of a Participant to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment which can be expected to result in death or which has lasted or can be expected to last for a continuous period of not less than twelve (12) months as determined by the Administrator.

2.10 Employee. "Employee" shall mean any Director and the General Manager. The term "Employee" shall also include any employee or former employee of the Employer that has a balance remaining in the Trust as a result of their eligibility to participate prior to the Employer's entry into CalPERS. No other individual shall be eligible to participate in this Plan.

2.11 Employer. "Employer" shall mean the MUNICIPAL WATER DISTRICT OF ORANGE COUNTY.

2.12 Employer Contribution. "Employer Contribution" shall mean contributions made by the Employer on behalf of a Participant which are allocated to a Participant's Account under the terms of this Plan.

2.13 Fund or Trust Fund. "Fund" or "Trust Fund" shall mean all monies, securities and assets held by the Trustee for the benefit of Participants of the Plan.

2.14 General Manager. "General Manager" shall refer to any person serving as the general manager of the Employer.

2.15 Limitation Year. "Limitation Year" shall mean, for the purposes of applying the limitations of Code Section 415, the consecutive twelve (12) month period adopted by the Employer beginning January 1 and ending December 31.

2.16 New Member. "New Member" shall mean either of the following:

(a) An individual who becomes a Participant in the Plan for the first time on or after January 1, 2013, and who was not a member of any other public retirement system prior to that date.

(b) An individual who becomes a Participant in the Plan for the first time on or after January 1, 2013, and who was a member of another public retirement system prior to that date, but who was not subject to reciprocity under Section 7522.02(c) of the California Government Code.

2.17 ~~2.16~~ Normal Retirement Date. “Normal Retirement Date” for each Participant shall mean the later of the date on which the Participant reaches the age of 62 years or attains the fifth (5th) anniversary of participation in the Plan. Each Participant shall be entitled to retire on such date. In the event a Participant continues in active service after reaching his or her normal retirement age, he or she shall continue to participate in the Plan.

2.18 ~~2.17~~ Participant. “Participant” shall mean an Employee or former Employee who has become eligible to acquire an interest in the Trust which has not become distributable and who has not waived his or her right of participation.

2.19 PEPRA. “PEPRA” shall mean the California Public Employees’ Pension Reform Act of 2013.

2.20 ~~2.18~~ Plan. “Plan” shall mean the MUNICIPAL WATER DISTRICT OF ORANGE COUNTY MONEY PURCHASE PENSION PLAN set forth herein, including all subsequent amendments or modifications.

2.21 ~~2.19~~ Plan Year. “Plan Year” shall mean the twelve (12) consecutive month period adopted by the Employer commencing on January 1 of each year and ending on December 31.

2.22 ~~2.20~~ Severance from Employment. “Severance from Employment” shall mean the Participant’s cessation of employment from or by the Employer. An Employee shall be treated as having experienced a “deemed” Severance from Employment during a period of “qualified military service” (as described under Code Section 414(u).

2.23 Spouse. “Spouse” shall mean the person to whom the Participant is legally married under applicable law.

2.24 ~~2.21~~ Trust. “Trust” shall mean the Trust established pursuant to Article III and the accompanying Trust Agreement.

2.25 ~~2.22~~ Trustee. “Trustee” shall mean the Trustee or the successors of such Trustee named under the Trust Agreement executed concurrently with the Plan pursuant to Article ~~IV~~III.

ARTICLE III TRUSTEE AND TRUST FUND

Contributions under the Plan and all other assets of the Plan shall be held in Trust under a Trust Agreement between the Employer and the Trustee. The Trustee shall hold, invest and distribute the trust fund and the income and gains therefrom in accordance with the provisions of such Trust Agreement. The Trust Agreement, contained in a separate document, is hereby incorporated by reference.

ARTICLE IV ADMINISTRATION

4.1 Administration of Plan. The Employer shall be the Administrator of the Plan with authority to control and manage its operation and administration. The Administrator shall make such rules, regulations, interpretations and computations and shall take such other action to administer the Plan as it may deem appropriate. The Administrator shall have absolute discretion in carrying out its responsibilities and its decisions shall be conclusive and binding on all parties.

4.2 Administrator's Powers. The Employer shall have all necessary and appropriate powers including, but not limited to, the following:

(a) to determine all questions relating to the interpretation, application and administration of the Plan, including questions as to eligibility to participate and claims submitted by a participant or individual;

(b) to maintain all necessary records for the administration of the Plan, other than those records maintained by the Trustee;

(c) to authorize and instruct the Trustee to make disbursements from the Trust to purchase life insurance in accordance with the provisions of the Trust Agreement;

(d) to delegate to others any of its rights, powers, duties and responsibilities;

(e) to direct the Trustee, in writing, from time to time, to retain, sell, exchange or lease any property of the trust estate, to invest trust funds, or to purchase for the Trust any property which it designates; and

(f) to establish a funding policy and method for the Plan.

4.3 Expenses and Compensation. The Employer shall not receive compensation for the administration of the Plan. Any expenses related to the administration and operation of the Plan shall be paid from Plan assets to the extent such expenses are not paid by the Employer. Expenses paid with Plan assets will generally be allocated among the Accounts of all Participants in the Plan during the Plan Year. These expenses will be allocated either proportionally based on the value of the account balances or as an equal dollar amount based on the number of participants in the Plan. For expenses or costs which can be attributed to a Participant or specific group of Participants, such expense shall be charged directly to the account of the Participant incurring the expense. The Employer may establish a fee schedule for certain administrative transactions, including plan loans and lump sum distributions; however, any fee schedule adopted by the Employer shall be applied in a uniform and

nondiscriminatory manner and will be disclosed to the Participants prior to any transaction subject to a fee.

4.4 Consultants. The Employer may employ such persons or organizations to render advice or to perform services with respect to the responsibilities of the Employer under the Plan which it, in its sole discretion, determines necessary and appropriate. Such persons or organizations shall have no discretionary authority or responsibility in the management, operation or administration of the Plan. Such persons or organizations may include, without limitation, actuaries, attorneys, accountants and benefit, financial and administrative consultants.

4.5 Fiduciary Duties. Any person to whom any fiduciary responsibilities with respect to the Plan may be allocated or delegated shall discharge his or her duties and responsibilities with respect to the Plan in accordance with the laws of the State of California.

4.6 Indemnification of Fiduciary. The Employer shall indemnify and hold harmless any persons to whom any of the Employer's fiduciary responsibilities under the Plan are allocated or delegated, from and against any and all liabilities, claims, demands, costs and expenses, including attorneys' fees, arising out of any alleged breach in the performance of their fiduciary duties under the Plan, other than such liabilities, claims, demands, costs and expenses as may result from the gross negligence or willful misconduct of such persons. The Employer, in its discretion, may conduct the defense of such person(s) in any proceeding to which this Section applies. In addition, the Employer may satisfy its obligations under this Section through the purchase of a policy or policies of insurance providing equivalent protection and coverage.

4.7 Use of Electronic Medium for Participant Notices and Elections.

(a) Definition of Electronic Medium. "Electronic medium" means an electronic method of communication system between the Plan Administrator, or its designated representative, and Recipient thereby allowing each party to send and receive notice and elections through the same medium. The only form of electronic communication permitted by the Plan shall be via electronic mail on the Employer's network or intranet, through an interactive website, or to a private e-mail address supplied by the Recipient for communication purposes. The electronic medium must be designed so that the information provided is no less understandable to the receiving party than a written paper document. The electronic medium shall be designed to alert the Recipient, at the time a notice is provided, to the significance of the information in the notice (including identification of the subject matter of the notice), and provide any instructions needed to access the notice, in a manner than is readily understandable. The electronic medium shall be designed to preclude any person, other than the appropriate individual, from making a participant election or accessing individual participant account information.

For purposes of this Section 4.7, “Recipient” shall mean an Employee, Participant, or other individual to the extent such individual has a vested interest in the Plan.

(b) Disclosure and Consent Requirements.

(1) Disclosure Statement. Prior to electronically transmitting any consent or notice to the Recipient, the Plan Administrator shall provide a statement which contains the following: (i) informs the Recipient of the right to receive a paper document of the notice or other Plan-related material either prior to or after giving consent to electronic transmission; (ii) informs the Recipient of the right to withdraw his or her consent at any time and the procedures for withdrawal, including any conditions, consequences, or fees arising from such withdrawal; (iii) describes the scope and duration of the consent as it related to various plan transactions; (iv) describes the procedures for updating Recipient contact information; and (v) describes the hardware or software requirements needed to access and retain the notice.

(2) Consent. The Plan Administrator shall be exempt from the consent requirements of Section 101(c) of the Electronic Signatures in Global and National Commerce Act (E-SIGN) provided the electronic medium used to provide notices and Plan-related material is a medium that the Recipient has the effective ability to access and the Recipient is advised, each time a notice is transmitted, that he or she can request to receive the notice in paper form at no charge. The form of electronic medium utilized by this Plan shall be through an interactive website requiring the Recipient to register an e-mail address for communication purposes.

(3) Changes in Hardware or Software Requirements. In the event of any changes in the hardware or software requirements needed to access the electronic medium, the Plan Administrator, or its designated representative, shall provide a statement to each Recipient of the revised requirements and the right to withdraw consent to receive electronic delivery of Plan-related materials without consequence.

(c) Participant Elections. The Plan Administrator, or its designated representative, shall be permitted to electronically distribute participant elections by electronic medium. Each Recipient who is provided with enrollment or election information via electronic medium will also be informed by the Plan Administrator that he or she may receive a paper copy of the relevant documents upon request. A participant election will not be treated as being made available to an individual if such individual cannot effectively access the electronic medium for purposes of making the election. An election completed by a Recipient via electronic medium shall be deemed as being provided in written form so long as the following requirements are satisfied:

(i) The Recipient has a reasonable opportunity review, confirm, modify or rescind the terms of the election before the election becomes effective

(ii) The Recipient receives, within a reasonable time, a confirmation of the election either through written paper form or by electronic mail (e-mail).

(d) Timing and Content of Elections and Notices. The provisions of this Section 4.7 shall in no way affect or alter the timing or content requirements applicable to each individual notice or document.

ARTICLE V ELIGIBILITY AND PARTICIPATION

5.1 Eligibility. Each Employee shall become eligible to participate in the Plan upon commencement of employment with the Employer.

5.2 Participation. An Employee who has become eligible to participate in the Plan shall become a Participant on the date on which the Employee satisfies the eligibility requirements of Section 5.1.

5.3 Accrual of Benefits. A Participant shall be entitled to his or her interest in the Employer Contributions under Section 6.1 for each Plan Year of employment.

5.4 Duration of Participation. A Participant's participation in the Plan continues until Severance from Employment. In the event an Employee whose participation has terminated is reemployed, he or she shall resume Participation on the date of the commencement of reemployment.

5.5 Employment after Retirement. A former Participant receiving a benefit from the Plan may not be reemployed by the Employer without reinstatement from retirement and suspension of benefit payments, unless an exception under California Government Code Section 7522.56 applies.

ARTICLE VI CONTRIBUTIONS

6.1 Employer Contributions. Effective January 1, 2014, the Employer shall annually pay into the Trust, on behalf of the General Manager in accordance with the terms of a separate employment agreement between the General Manager and Employer, a contribution in an amount equal to the Employer's contribution rate to CalPERS up to 6.25%, of the General Manager's Excess Compensation for each Plan Year. For purposes of this Section 6.1, "Excess Compensation" shall mean that portion of the General Manager's base salary which exceeds the pensionable compensation limits established by California Government

Code Section 7522.10(c) and subject to any regulations or opinions issued by the CalPERS Board of Administration and/or California Attorney General's Office.

6.2 Timing of Employer Contributions. Contributions made pursuant to Sections 6.1 shall be made no later thirty (30) days following the close of the Plan Year.

6.3 Employee Contributions.

(a) Mandatory Contributions. Effective January 1, 2015, a Director shall be required to make a contribution to the Plan equal to 7.5% of his or her Compensation as required under Code Section 3121(b)(7)(F) and Treasury Regulations Section 31.3121(b)(7)-2 in order for this Plan to be considered a retirement system with respect to said Director. The contribution shall be made through payroll deduction

(b) Employee Pick-Up Contributions. The General Manager may irrevocably elect to make annual contributions to the Plan at the same percentage of his or her Excess Compensation as is provided under Section 6.2. Such contribution shall be treated as an Employer Contribution for purposes of Code Section 414(h)(2). Once the preceding election has been made, the General Manager shall not be permitted to revoke such election.

ARTICLE VII
ALLOCATION TO PARTICIPANTS' ACCOUNTS

7.1 Participant Accounts.

(a) Employer Contribution Account. A separate Employer Contribution Account shall be established for each Participant and shall be credited annually with Employer Contributions under Section 6.1 and forfeitures, if any, allocated to the Participant.

(b) QVEC Account. A separate QVEC Account shall be maintained for any Participant for purposes of holding qualified voluntary employee contributions made by the Participant. Notwithstanding the preceding, qualified voluntary employee contributions are no longer permitted under the Plan.

(c) Employee Contribution Account. A separate Employee Contribution Account shall be maintained for any Participant for purposes of holding employee contributions made by the Participant under Section 6.3.

(d) Deductible Contribution Account. A separate Deductible Contribution Account shall be maintained for any Participant to hold any voluntary contributions that a Participant elected in prior years to have deductible, pursuant to the Code.

(e) Rollover Account. A separate Rollover Account shall be established and maintained for any Participant, which shall be credited with any rollovers or transfers to the Plan pursuant to Section 7.5.

7.2 Annual Valuation and Change in Value. The Trustee shall determine, as of the last day of each Plan Year and on such other dates as the Administrator shall determine, the fair market value of the net Trust assets. The Administrator shall allocate the profits to, or charge the losses against, the respective Accounts of the Participants in proportion to the balances of the Account as of the most recent valuation date.

7.3 Directed Accounts. The Employer may, in its discretion in a uniform and nondiscriminatory manner, permit Participants to direct the Trustee as to all or part of the investment of his or her Accounts, as provided in the Trust Agreement. Directed accounts shall be credited or charged with investment gains or losses of the assets in such accounts.

7.4 Interest in Trust Assets. Nothing herein contained shall be deemed to give any Participant any interest in any specific assets of the Trust and each Participant shall only have the right to receive payment at the time or times and upon the terms and conditions expressly set forth in the Plan.

7.5 Transfer From Other Qualified Plans; Rollover Contributions. The Plan will accept an Eligible Rollover Distribution (as defined in Section 10.8(c)) from another Eligible Retirement Plan on behalf of an Employee who is a Participant, pursuant to the following:

(a) Permissible Types of Rollover Contributions. The Plan shall accept an eligible rollover distribution from –

(1) a qualified plan and trust, as defined in Code Sections 401(a) or 403(a), excluding after-tax employee contributions;

(2) an annuity contract described in Code Section 403(b), excluding after-tax employee contributions;

(3) an eligible plan under Code Section 457(b) which is maintained by a state, political subdivision of a state, or any agency or instrumentality of a state or political subdivision of a state; and

(4) an individual retirement account that meets the requirements of Section 408(d)(3)(A)(ii), excluding an individual retirement account designated as a “Roth IRA” under Code Section 408A at the time of establishment.

(b) Requirements for Rollover Contribution. Such rollover or transfer must comply with the requirements of Code Section 402. The assets to be transferred must be accompanied by written representations, satisfactory to the Administrator, identifying the transferor plan, stating the name of the

Employee, and providing such other information as the Administrator may require. The Administrator may require that certain assets be reduced to cash in order that the rollover or transfer be accepted by the Plan. However, in the event the Administrator accepts a rollover or transfer in kind from a plan under which the Employee was allowed to direct the investment of such amounts, the Administrator shall allow the Participant to continue to direct the investment of such rollover or transfer account.

In addition, the receipt of assets under this Section shall be subject to the following conditions:

(1) no transfer shall be in an amount less than One Hundred Dollars (\$100);

(2) no amount may be transferred to the Plan without the prior approval of the Trustee. The Trustee shall act in a uniform, nondiscriminatory manner in this regard;

(3) all transfers shall be paid to the Trustee to hold in the Trust;

(4) a separate Account shall be established and maintained for each Participant who has made a transfer;

(5) the Participants' interest in the Account shall be fully vested and nonforfeitable;

(6) the amount held in the Account shall be paid to the Participant upon the Participant's request. Any distribution of such amounts shall be made in accordance with the applicable provisions of Article X;

(7) if it is determined that a Participant's transfer mistakenly failed to constitute an Eligible Rollover Distribution, the amount of such contribution shall be distributed to the Participant within a reasonable amount of time after the determination that the rollover is not valid.

(8) No Transfer of Benefit Options. If a direct rollover is received by the Administrator from another qualified plan, the Plan is not required to provide, with respect to amounts paid to it in such a direct rollover, the same optional forms of benefit that were provided under the transferor plan.

ARTICLE VIII
VESTING OF INTEREST

8.1 Vesting. The Participants' Accounts shall be fully vested and nonforfeitable at all times.

8.2 Forfeitures. Forfeitures shall be used for defraying reasonable expenses of administering the Plan. Any remaining forfeiture amounts not applied toward the payment of administrative expenses shall be applied toward the Employer contribution allocable under Section 6.1.

8.3 Lost Participants.

(a) Location of Lost Participant. The Employer shall take all necessary steps, upon the termination of participation, to ascertain the whereabouts of a lost Participant or Beneficiary whose benefit is payable.

(b) Mandatory Distribution. If the Account balance of a lost Participant or Beneficiary is \$1,000.00 or more, and the Employer has exhausted its efforts to locate the missing Participant or Beneficiary, then the Administrator will distribute the entire Account via a direct rollover to an individual retirement plan designated by the Administrator.

(c) Forfeiture. If the Account balance of a lost Participant or Beneficiary is less than \$1,000.00, and the Employer has exhausted its efforts to locate the missing Participant or Beneficiary and the Administrator has concluded that a Participant or Beneficiary cannot be located, the Participant's entire Account(s) shall be forfeited and allocated as provided in Section 8.2. In the event the lost Participant subsequently claims his or her benefit, the Participant's Account(s) shall be reinstated and distributed as provided in Article X.

8.4 Forfeiture for Felony Conviction.

(a) Any Participant who is convicted of a felony under state or federal law for:

(1) conduct arising out of his or her official duties, in the pursuit of the office or appointment, or in connection with obtaining salary, disability retirement, service retirement, or other benefits, or

(2) conduct committed within the scope of his or her official duties involving contact with children

shall forfeit all rights and benefits in this Plan which accrued from the date of commission of the felony to the date of conviction, and shall not

accrue further benefits in this Plan effective on the date of conviction, as provided in California Government Code Sections 7522.72 and 7522.7.

(b) Contributions made to the Plan by the convicted Participant on or after the earliest date of the commission of any felony described above shall be returned, without interest, to the Participant upon separation from employment, death, or retirement unless otherwise ordered by a court or determined by the Administrator.

ARTICLE IX LIMITATION ON BENEFITS

9.1 Annual Additions. “Annual Additions” shall mean the sum for any Limitation Year of the following amounts allocated to a Participant’s Accounts in all defined contribution plans maintained by the Employer:

- (a) Employer Contributions;
- (b) Forfeitures;
- (c) Employee contributions; and
- (d) Amounts allocated after March 31, 1984, to an individual medical account (as defined in Code Section 415(l)(2)) which is part of a pension or annuity plan maintained by the Employer.
- (e) For the purposes of this paragraph, the term “Annual Additions” shall not include the following:
 - (1) Rollover contributions (as defined in Code Sections 402(c), 403(a)(4), 403(b)(8) and 408(d)(3));
 - (2) Employee contributions to a Simplified Employee Pension which are excludable from gross income under Code Section 408(k)(6).

9.2 Maximum Permissible Amount.

(a) Total Annual Additions. The amount of Annual Additions which may be contributed or allocated to a Participant’s Accounts for any Limitation Year shall not exceed the lesser of:

- (1) ~~\$40,000~~ **\$53,000 (the limit for 2016)**, as adjusted for increases in the cost of living under Code Section 415(d); or
- (2) one hundred percent (100%) of the Participant’s Compensation, as defined in Section 2.7(~~b~~), for the Limitation Year.

The Compensation Limit referred to in paragraph (2) above shall not apply to any contribution for medical benefits after Severance from Employment (within the meaning of Code Sections 401(h) or 419A(f)(2)) which is otherwise treated as an Annual Addition.

If the amount that would otherwise be contributed or allocated to the Participant's Accounts would cause the Annual Additions for the Limitation Year to exceed the maximum permissible amount, the amount contributed or allocated will be reduced so that the Annual Additions of the Limitation Year will equal the maximum permissible amount. For purposes of determining the total Annual Additions allocated to a Participant's Accounts during the Limitation Year, amounts or benefits provided to an Alternate Payee (as defined in Section 10.10) of the Participant shall be treated as if such allocations were allocated to the Participant's Account.

If a short Limitation Year is created because of an amendment changing the Limitation Year to a different 12-consecutive month period, the maximum permissible amount will not exceed the defined contribution dollar limitation multiplied by a fraction with a numerator that is equal to the number of months in the short limitation year and denominator of 12.

If the Plan is terminated as of a date other than the last day of the Plan Year, the Plan is deemed to have been amended to change its Limitation Period and the maximum permissible amount shall be prorated for the shortened period.

(b) Aggregation and Disaggregation of Other Defined Contribution Plans.

(1) Aggregating Plans. For purposes of applying the limitations of Section 9.2(a) for a Limitation Year, all qualified defined contribution plans (without regard to whether a plan has terminated) ever maintained by the Employer (or a "predecessor employer" as defined in subparagraph (i) below), including this Plan, shall be aggregated as one (1) defined contribution plan. An annuity contract under Code Section 403(b) and a simplified employee pension plan under Code Section 408 shall be treated as a defined contribution plan maintained by the Employer.

(i) Predecessor Employer. A former Employer is a "predecessor employer" with respect to a Participant if the Employer maintains a plan under which the Participant had accrued a benefit during the course of employment with the former Employer and that benefit is provided under the Plan currently maintained by the "successor employer." An Employer is a successor employer with respect to a Participant if, under the facts and

circumstances, the Employer represents a continuation of all or a portion of the trade or business of the former entity.

(ii) Mid-year Aggregation. Two or more defined contribution plans that are not required to be aggregated pursuant to Code Section 415(f) as of the first day of a Limitation Year shall not cause a Participant to fail to satisfy the requirements of Code Section 415 for the Limitation Year merely because the plans are aggregated later in the Limitation Year, provided that no Annual Additions are credited to such Participant after the date on which the plans are first required to be aggregated.

(2) Nonduplication of Benefits. If the Plan is aggregated with another defined contribution plan pursuant to this Section 9.2(b), a Participant's benefits are not counted more than once in determining the Participant's aggregate Annual Additions under Article IX.

9.3 Treatment of Excess Amounts. If the total Annual Additions that may be made with respect to any individual exceeds the limits of Code Section 415, or under any other limited facts and circumstances that the Commissioner of Internal Revenue finds justify the application of this Section, the excess amount will be corrected in accordance with the Employee Plans Compliance Resolution System as set forth in Revenue Procedure 2012-13 or any superseding guidance, including, but not limited to the preamble of the regulations issued under Code Section 415.

9.4 Special Rule for Short Limitation Year. In the event of a short Limitation Year because of an amendment changing the Limitation Year to a different twelve (12) consecutive month period, the maximum permissible amount shall not exceed the defined contribution dollar limitation multiplied by a fraction, the numerator of which is the number of months in the short Limitation Year and the denominator of which is twelve (12).

9.5 Special Rule for Make-Up Contributions Under USERRA. Any contributions allocated to the Accounts of a Participant who has served in qualified military service, as defined in the Uniformed Services Employment and Reemployment Rights Act ("USERRA"), which is made and allocated to a Limitation Year but which is attributable to a prior Limitation Year shall not be taken into account in applying the limitations for the Limitation Year for which the contribution is made, but rather, shall be counted and subject to the limitations, for purposes of Code Section 415, for the Limitation Year to which the contributions relate.

ARTICLE X

DISTRIBUTION OF BENEFITS

10.1 Entitlement to Benefits. A Participant shall be entitled to a distribution of benefits under this Plan following his or her Severance from Employment.

Benefits shall also be payable following the Participant's death in accordance with Section 10.5 or upon attainment of the Required Beginning Date under Section 10.7.

A Participant who is still employed on his or her Normal Retirement Date shall not be entitled to a distribution of benefits under this Plan until the Participant experiences a Severance from Employment. Such a Participant shall continue to participate in contributions under the Plan.

An Alternate Payee under a Domestic Relations Order shall be entitled to benefits under this Plan in accordance with Section 10.10.

10.2 Notification of Benefit Options. A Participant shall be furnished a notice not less than thirty (30) days, nor more than one hundred eighty (180) days (the "distribution election period"), prior to the first day of the first period for which an amount is paid. Such notice shall contain an explanation of the following:

(a) The right to defer the commencement of benefits until Normal Retirement Date, if applicable. The notice shall also describe the consequences of failing to defer receipt of the distribution and include a description indicating the investment options available under the Plan (including fees) that will be available if the Participant defers distribution.

(b) The form of benefits available under the Plan in accordance with Section 10.3.

(c) The option to elect a direct rollover to an Eligible Retirement Plan in accordance with Section 10.8.

(d) The mandatory income tax withholding provisions applicable if the distribution is not transferred to an Eligible Retirement Plan.

(e) The provisions under which the distribution will not be subject to tax if transferred to an Eligible Retirement Plan within sixty (60) days after the date on which the Participant received the distribution.

(f) The applicable rules on rollover and taxation of a lump sum distribution under Code Section 402(d) and (e).

10.3 Form of Retirement Benefit. If the vested amount credited to a Participant's Accounts is less than \$5,000 as of the date of distribution, distribution shall be made in cash in one lump sum cash payment. However, if the Participant's vested balance is \$5,000 or more, the Participant may select from among the following payment options:

(a) a single, lump sum cash payment;

(b) cash payments in monthly, quarterly, semi-annual or annual installments of substantially equal designated amounts or of a designated percentage of the value of the Participant's Account(s) payable over a fixed term

not extending beyond the applicable life expectancy, as determined in accordance with the minimum distribution requirements of Code Section 401(a)(9), of the Participant or the Participant and a designated Beneficiary; or

(c) a joint and survivor annuity for the life of the Participant with a survivor annuity for the life the Participant's spouse which is fifty percent (50%) of the amount of the annuity which is payable during the joint lives of Participant and his or her spouse. An unmarried Participant's joint and survivor annuity is a single life annuity. This annuity shall be distributed to the Participant in the form of a nontransferable Annuity Contract meeting the requirements of this Plan and which is equal to the amount of benefit which can be purchased with the Participant's vested Accounts.

10.4 Timing of Distribution. Except as provided herein, the distribution of a Participant's Accounts shall begin as soon as administratively feasible following the Participant's Severance from Employment, but in no event, unless otherwise elected in writing by the Participant, later than the sixtieth (60th) day after the latest of the close of the Plan Year in which the Participant: (1) attains the earlier of age 65 or the Normal Retirement Date; (2) completes his or her tenth (10th) year of participation in the Plan; or (3) experiences a Severance from Employment.

(a) Consent to Distribution. Subject to the provisions of Section 10.4(c), distributions from the Plan shall only be made with the written consent of the Participant and his or her spouse, in accordance with paragraph (b) below. Written consent shall be given within the 180 days "distribution election period" ending on the first day of the first period for which an amount is paid and shall include an acknowledgment of the effect of such election. No consent under this Section 10.4 shall be valid unless the Participant has first received a notice which satisfies the requirements of Section 10.2.

(1) No Consent. The failure of a Participant to consent to a distribution while a benefit is immediately distributable shall be deemed an election to defer commencement of payment until the benefit is no longer immediately distributable.

(2) Waiver of 30-day period for distribution consent. The Plan may distribute a benefit less than 30 days after providing the Participant notice of the distribution option, if the Participant affirmatively elects a distribution. The Participant must be notified that the Participant has the opportunity to elect a distribution for at least 30 days after receiving the notice.

(b) Spousal Consent. The spouse's written consent to an election for distribution shall acknowledge the effect of the consent to that election and must be witnessed by a Plan representative or a notary public. A spouse's consent to an election for distribution cannot be revoked once made. A Participant who elected a form of benefit with his or her spouse's consent may not subsequently change the form of benefit without obtaining his or her

spouse's consent. Spousal consent is not required if the Participant establishes to the satisfaction of the Administrator that: (i) he or she has no spouse; (ii) the spouse cannot be located; or (iii) other circumstances apply that make spousal consent unnecessary.

(c) Mandatory Distributions. In the event that a Participant fails to submit an election within the "distribution election period" specified in Section 10.2 and the value of the Participant's vested Accounts does not exceed One Thousand Dollars (\$1,000) as of the date of distribution, no consent under this Section 10.4 will be required and the Participant shall receive a lump sum distribution of the entire vested portion of his or her Accounts.

10.5 Death Benefit.

(a) Form of Death Benefit. If the vested amount credited to a Participant's Accounts does not exceed \$5,000 as of the date of distribution, the entire balance shall be distributed to the designated Beneficiary in one lump sum as soon as administratively feasible following the death of the Participant. If the vested balance of a Participant's Account exceeds \$5,000 as of the date of distribution, the Beneficiary may elect to receive the distribution in either a lump sum or installments, provided the schedule of installments satisfies the minimum distribution requirements set forth in Section 10.7.

If the Participant dies after payments under a joint and survivor annuity have commenced, payments shall continue to the Beneficiary under the terms of the annuity.

(b) Rollovers to Surviving Spouse. If the designated Beneficiary is the surviving spouse of the Participant, the surviving spouse may also elect a direct rollover of the benefit to an Eligible Retirement Plan pursuant to Section 10.8. The Participant's Accounts shall be distributed, or begin to be distributed, to the surviving spouse on or before December 31 of the calendar year immediately following the calendar year in which the Participant died. However, if the surviving spouse is the sole designated Beneficiary of the Participant, distribution shall commence no later than December 31 of the calendar year immediately following the calendar year in which the Participant died or December 31 of the calendar year in which the Participant would have attained age seventy and one-half (70½).

(c) Timing of Election. The Participant's designated Beneficiary shall elect the method of distribution no later than September 30 of the calendar year following the year of the Participant's death. If the designated Beneficiary does not elect a method of distribution, distribution of the Participant's entire interest must be completed by December 31 of the calendar year containing the fifth (5th) anniversary of the Participant's death.

(d) Direct Rollovers for Nonspouse Beneficiaries.

Notwithstanding the foregoing, a designated Beneficiary who is not the surviving spouse of the deceased Participant may elect a direct rollover of the benefits at the time and in the manner prescribed by the Administrator. Any such distribution may be transferred only to an individual retirement account or annuity described in Code Section 408(a) or (b) established for the purpose of receiving the distribution on behalf of the designated Beneficiary and treated as an inherited IRA within the meaning of Code Section 408(d)(3)(C). The Beneficiary must provide the Administrator with sufficient information to identify the status of the inherited IRA as well as the custodian of the funds to whom the direct transfer is to be made. Any distribution made in accordance with this provision shall be considered an "eligible rollover distribution" (as defined in Section 10.8) excludable from gross income for the year in which payment is made under Code Section 402(c)(1). If a Participant's designated Beneficiary is a trust, the trustee of such trust shall be permitted to elect a direct rollover to an individual retirement account in accordance with this subsection provided the beneficiaries of the trust otherwise satisfy the requirements to be designated beneficiaries within the meaning of Code Section 401(a)(9)(E) and the regulations issued thereunder.

10.6 In-Service Distributions. Any Participant may elect to withdraw all or a portion of his or her Voluntary Employee Contribution Account, QVEC Account or Rollover Account. ~~No other types of in-service distributions are permitted and no more than one (1)~~ In addition, any Participant who has attained the age of sixty-two (62) may elect to receive all or a portion of his or her Account provided the Participant is fully vested in his or her Accounts. A Participant shall be limited to only one in-service distribution ~~shall be permitted in a single calendar~~ during each Plan Year. In the event a Participant receives a distribution ~~under~~ pursuant to this Section, the Participant shall continue to be eligible to participate in the Plan on the same basis as any other Employee. Any distribution made pursuant to this Section ~~10.6 shall be subject to the rules generally applicable to any other distribution permitted after Severance of Employment~~ shall be made in a manner consistent with the provisions of this Article.

10.7 Minimum Distributions. Notwithstanding any other provisions of this Article, with respect to distributions occurring on or after January 1, 2003, the distribution of a Participant's Accounts shall meet the requirements of this Section, Code Section 401(a)(9) and the Regulations thereunder, and in accordance with the minimum distribution incidental benefit requirements of Code Section 401(a)(9)(G) and the Regulations issued thereunder. These minimum distributions shall be calculated each year by the Administrator and shall be distributed in accordance with this Section.

(a) Time and Manner of Distribution.

(1) Required Beginning Date. The Participant's Accounts will be distributed, or begin to be distributed, to the Participant no later than the Participant's Required Beginning Date.

(2) Death of Participant Before Distributions Begin. If the Participant dies before distributions begin, the Participant's Accounts will be distributed, or begin to be distributed, no later than as follows:

(i) If the Participant's surviving spouse is the Participant's sole Designated Beneficiary, distributions to the surviving spouse will begin by December 31 of the calendar year immediately following the calendar year in which the Participant died, or by December 31 of the calendar year in which the Participant would have attained age 70½, if later.

(ii) If the Participant's surviving spouse is not the Participant's sole Designated Beneficiary, distributions to the Designated Beneficiary will begin by December 31 of the calendar year immediately following the calendar year in which the Participant died.

(iii) If there is no Designated Beneficiary as of September 30 of the year following the year of the Participant's death, the Participant's Accounts will be distributed by December 31 of the calendar year containing the fifth anniversary of the Participant's death.

(iv) If the Participant's surviving spouse is the Participant's sole Designated Beneficiary and the surviving spouse dies after the Participant but before distributions to the surviving spouse begin, this Section 10.7(a)(2), other than Section 10.7(a)(2)(i), will apply as if the surviving spouse were the Participant.

For purposes of this Section 10.7(a)(2) and 10.7(c), unless Section 10.7(a)(2)(iv) applies, distributions are considered to begin on the Participant's Required Beginning Date. If Section 10.7(a)(2)(iv) applies, distributions are considered to begin on the date distributions are required to begin to the surviving spouse under Section 10.7(a)(2)(i). If distributions under an annuity purchased from an insurance Employer irrevocably commence to the Participant before the Participant's Required Beginning Date (or to the Participant's surviving spouse before the date distributions are required to begin to the surviving spouse under Section 10.7(a)(2)(i)), the date distributions are considered to begin is the date distributions actually commence.

(3) Forms of Distribution. Unless the Participant's Accounts are distributed in the form of an annuity purchased from an insurance company or in a single sum on or before the Required Beginning Date, as of the first Distribution Calendar Year distributions will be made in accordance with paragraphs (b) and (c) of this Section 10.7. If the Participant's Accounts are distributed in the form of an annuity purchased from an insurance company, distributions thereunder will be made in accordance with the requirements of Code Section 401(a)(9) and the Treasury Regulations issued thereunder.

(b) Required Minimum Distributions During Participant's Lifetime.

(1) Amount of Required Minimum Distribution for Each Distribution Calendar Year. During the Participant's lifetime, the minimum amount that will be distributed for each Distribution Calendar Year is the lesser of:

(i) the quotient obtained by dividing the Participant's Account Balance by the distribution period in the Uniform Lifetime Table set forth in Section 1.401(a)(9)-9 of the Treasury Regulations, using the Participant's age as of the Participant's birthday in the Distribution Calendar Year; or

(ii) if the Participant's sole Designated Beneficiary for the Distribution Calendar Year is the Participant's spouse, the quotient obtained by dividing the Participant's Account Balance by the number in the Joint and Last Survivor Table set forth in Section 1.401(a)(9)-9 of the Treasury Regulations, using the Participant's and spouse's attained ages as of the Participant's and spouse's birthdays in the Distribution Calendar Year.

(2) Lifetime Required Minimum Distributions Continue Through Year of Participant's Death. Required minimum distributions will be determined under this paragraph (b) beginning with the first Distribution Calendar Year and up to and including the Distribution Calendar Year that includes the Participant's date of death.

(c) Required Minimum Distributions After Participant's Death.

(1) Death on or After Date Distributions Begin. If the distribution of a Participant's interest has begun in accordance with Section 10.7(b)(1) and the Participant dies before the entire Account balance has been distributed, the remaining portion of the Account balance must be distributed at least as rapidly as under the distribution method used as of the date of the Participant's death. Thereafter, the applicable distribution period for distribution years after the year of the Participant's death shall be as provided under subparagraph (i) or (ii) below.

(i) Participant Survived By Designated Beneficiary. If the Participant dies on or after the date distributions begin and there is a Designated Beneficiary, the minimum amount that will be distributed for each Distribution Calendar Year after the year of the Participant's death is the quotient obtained by dividing the Participant's Account Balance by the longer of the remaining Life Expectancy of the Participant or the remaining Life Expectancy of the Participant's Designated Beneficiary, determined as follows:

1. The Participant's remaining Life Expectancy is calculated using the age of the Participant in the year of death, reduced by one for each subsequent year.

2. If the Participant's surviving spouse is the Participant's sole Designated Beneficiary, the remaining Life Expectancy of the surviving spouse is calculated for each Distribution Calendar Year after the year of the Participant's death using the surviving spouse's age as of the spouse's birthday in that year. For Distribution Calendar Years after the year of the surviving spouse's death, the remaining Life Expectancy of the surviving spouse is calculated using the age of the surviving spouse as of the spouse's birthday in the calendar year of the spouse's death, reduced by one for each subsequent calendar year.

3. If the Participant's surviving spouse is not the Participant's sole Designated Beneficiary, the Designated Beneficiary's remaining Life Expectancy is calculated using the age of the Beneficiary in the year following the year of the Participant's death, reduced by one for each subsequent year.

(ii) No Designated Beneficiary. If the Participant dies on or after the date distributions begin and there is no Designated Beneficiary as of September 30 of the year after the year of the Participant's death, the minimum amount that will be distributed for each Distribution Calendar Year after the year of the Participant's death is the quotient obtained by dividing the Participant's Account Balance by the Participant's remaining Life Expectancy calculated using the age of the Participant in the year of death, reduced by one for each subsequent year.

(2) Death Before Date Distributions Begin.

(i) Participant Survived By Designated Beneficiary. If the Participant dies before the date distributions begin and there is a Designated Beneficiary, the minimum amount that will be distributed for each Distribution Calendar Year after the year of the Participant's death is the quotient obtained by dividing the Participant's Account Balance by the remaining Life Expectancy of the Participant's Designated Beneficiary, determined as provided in Section 10.7(c)(1).

(ii) No Designated Beneficiary. If the Participant dies before the date distribution begins and there is no Designated Beneficiary as of September 30 of the year following the year of the Participant's death, distribution of the Participant's Accounts will be completed by December 31 of the calendar year containing the fifth anniversary of the Participant's death.

(iii) Death of Surviving Spouse Before Distributions to Surviving Spouse are Required to Begin. If the Participant dies before the date distributions begin, the Participant's surviving spouse is the Participant's sole Designated Beneficiary, and the surviving spouse dies before distributions are required to begin to the surviving spouse under Section 10.7(a)(2)(i), this Section 10.7(c)(2) will apply as if the surviving spouse were the Participant.

(d) Application of 5-Year Rule.

(1) Election by Participant or Beneficiary. A Participant or Beneficiary may elect on an individual basis whether the 5-year rule or the Life Expectancy rule in Sections 10.7(a)(2) and 10.7(c)(2) applies to distributions after the death of a Participant who has a Designated Beneficiary. The election must be made no later than the earlier of September 30 of the calendar year in which distribution would be required to begin under Section 10.7(a)(2), or by September 30 of the calendar year which contains the fifth anniversary of the Participant's (or, if applicable, the surviving spouse's) death. If neither the Participant nor the Beneficiary makes an election under this paragraph, distributions will be made in accordance with Sections 10.7(a)(2) and Section 10.7(c)(2).

(2) Election By Current Beneficiary. A Designated Beneficiary who is receiving payments under the 5-year rule may make a new election to receive payments under the Life Expectancy rule until December 31, 2003, provided that all amounts that would have been required to be distributed under the Life Expectancy rule for all Distribution Calendar Years before 2004 are distributed by the earlier of December 31, 2003 or the end of the five (5) year period.

(e) Definitions.

(1) Designated Beneficiary. The individual who is designated as the Beneficiary under Section ~~11.8~~10.9 of the Plan and is the Designated Beneficiary under Code Section 401(a)(9) and Section 1.401(a)(9)-4 of the Treasury Regulations.

(2) Required Beginning Date. The "Required Beginning Date" of a Participant is April 1 of the calendar year following the later of the calendar year in which the Participant attains age 70½ or the calendar year in which the Participant retires.

(3) Distribution Calendar Year. A calendar year for which a minimum distribution is required. For distributions beginning before the Participant's death, the first Distribution Calendar Year is the calendar year immediately preceding the calendar year which contains the Participant's Required Beginning Date. For distributions beginning after the Participant's

death, the first Distribution Calendar Year is the calendar year in which distributions are required to begin under Section 10.7(a)(2). The required minimum distribution for the Participant's first Distribution Calendar Year will be made on or before the Participant's Required Beginning Date. The required minimum distribution for other Distribution Calendar Years, including the required minimum distribution for the Distribution Calendar Year in which the Participant's Required Beginning Date occurs, will be made on or before December 31 of that Distribution Calendar Year.

(4) Life Expectancy. Life expectancy as computed by use of the Single Life Table in Section 1.401(a)(9)-9 of the Treasury Regulations.

(5) Participant's Account Balance. The account balance as of the last valuation date in the calendar year immediately preceding the Distribution Calendar Year (valuation calendar year) increased by the amount of any contributions made and allocated or forfeitures allocated to the account balance as of dates in the valuation calendar year after the valuation date and decreased by the distributions made in the valuation calendar year after the valuation date. The account balance for the valuation calendar year includes any amounts rolled over or transferred to the Plan either in the valuation calendar year or in the Distribution Calendar Year if distributed or transferred in the valuation calendar year.

(f) TEFRA Section 242(b)(2) Elections. Notwithstanding any other provisions of this Section 10.7, distributions may be made under a designation made before January 1, 1984, in accordance with Section 242(b)(2) of the Tax Equity and Fiscal Responsibility Act (TEFRA) and the provisions of the Plan that relate to Section 242(b)(2) of TEFRA.

(g) Transition Rules.

(1) Plan Years Prior to 2001. Required minimum distributions for calendar years after 1984 and before 2001 were made in accordance with Code Section 401(a)(9) and the proposed regulations issued thereunder as published in the Federal Register on July 27, 1987.

(2) 2001 Plan Year. Required minimum distributions for calendar year 2001 were made in accordance with Code Section 401(a)(9) and the proposed regulations issued thereunder as published in the Federal Register on January 17, 2001.

(3) 2002 Plan Year. Required minimum distributions for calendar year 2002 were made in accordance with Code Section 401(a)(9) and the final and temporary regulations issued thereunder as published in the

Federal Register on April 17, 2002, which are described in paragraph (a) through (f) of this Section 10.7.

(h) WRERA Elections for 2009 Calendar Year.

Notwithstanding any other provisions of this Section 10.7, a Participant or Beneficiary who would have been required to receive required minimum distributions for 2009 but for the enactment of Code Section 401(a)(9)(H) ("2009 RMDs") and who would have satisfied that requirement by receiving distributions that are (1) equal to the 2009 RMDs or (2) one or more payments in a series of substantially equal distributions (that include the 2009 RMDs) made at least annually and expected to last for the life (or Life Expectancy) of the Participant, the joint lives (or joint Life Expectancy) of the Participant and the Participant's Designated Beneficiary, or for a period of at least 10 years, will not receive those distributions for 2009 unless the Participant or Beneficiary chooses to receive such distributions. Participants and Beneficiaries described in the preceding sentence will be given the opportunity to elect to receive the distributions described in the preceding sentence. In addition, notwithstanding Section 10.8 of the Plan, and solely for purposes of applying the direct rollover provisions of the Plan, a direct rollover will include 2009 RMDs but only if paid with an additional amount that is an Eligible Rollover Distribution (as defined in Section 10.8(c)) without regard to Code Section 401(a)(9)(H).

10.8 Direct Rollovers. A Distributee may elect, at the time and in the manner prescribed by the Administrator, to have any portion of an Eligible Rollover Distribution that is equal to at least \$200.00 paid directly to an Eligible Retirement Plan specified by the Distributee. If an Eligible Rollover Distribution is less than \$200.00, a Distributee may not make the election described herein to rollover a portion of the Eligible Rollover Distribution. The Distributee must provide the Administrator with sufficient information to identify the Eligible Retirement Plan as well as the trustee or custodian of the funds to whom the transfer is to be made.

For purposes of this Section, the following definitions shall apply:

(a) Distributee. A "Distributee" shall mean an Employee or former Employee. In addition, the Employee's or former Employee's surviving spouse and the Employee's or former Employee's spouse or former spouse who is the alternate payee under a qualified domestic relations order, as defined in Code Section 414(p), shall be Distributees with regard to the interest of the spouse or former spouse. A Distributee shall also mean a Participant's non-spouse designated beneficiary, in which case, the distribution can only be transferred to a traditional or Roth IRA established on behalf of the non-spouse designated beneficiary for the purposes of receiving the distribution in accordance with Section 10.5(d).

(b) Eligible Retirement Plan. "Eligible Retirement Plan" shall mean an individual retirement account described in Code Section 408(a), an individual retirement annuity described in Code Section 408(b), an annuity plan

described in Code Section 403(a), an annuity contract described in Code Section 403(b) or a qualified trust described in Code Section 401(a) that accepts the Distributee's Eligible Rollover Distribution.

"Eligible Retirement Plan" shall also mean an eligible plan under Code Section 457(b) which is maintained by a state, political subdivision of a state, or any agency or instrumentality of a state or political subdivision of a state and which agrees to separately account for amounts transferred into such plan from this Plan. For distributions made after December 31, 2007, "Eligible Retirement Plan" shall also mean a Roth IRA described in Code Section 408A(b) provided such distribution is made by a direct trustee-to-trustee transfer and the receiving plan agrees to separately account for the amounts transferred.

(c) Eligible Rollover Distribution. An "Eligible Rollover Distribution" shall mean any distribution of all or any portion of the balance to the credit of the Distributee, except that it shall not include:

(1) any distribution that is one of a series of substantially equal periodic payments (not less frequently than annually) made for the life (or life expectancy) of the Distributee or the joint lives (or joint life expectancies) of the Distributee and the Distributee's designated Beneficiary, or for a specified period of ten (10) years or more; or

(2) any distribution required under Code Section 401(a)(9); or

(3) the portion of any distribution that is not includable in gross income of the Distributee; or

(4) any other distribution that is reasonably expected to total less than \$200 during a year.

Notwithstanding the foregoing, a portion of a distribution shall not fail to be an Eligible Rollover Distribution merely because the portion consists of after-tax employee contributions which are not includible in gross income. However, such portion may only be transferred in a direct trustee-to-trustee transfer to an individual retirement account or annuity described in Code Section 408(a) or (b), or to a qualified defined contribution plan described in Code Sections 401(a) or 403(a), or to an annuity contract described in Code Section 403(b) that agrees to separately account for amounts so transferred, including separately accounting for the portion of such distribution which is includible in gross income and the portion of such distribution which is not so includible.

(d) Rollovers to Roth IRA. Effective for distributions occurring after December 31, 2007, a Distributee may also elect to have any portion of an Eligible Rollover Distribution paid directly to a Roth IRA described in Code Section 408A provided the distribution requirements of

Section 10.4 and this Section 10.8 have been satisfied. Any distribution made in accordance with this provision shall be considered a “qualified rollover contribution” and includable in the Distributee’s gross income for the year in which payment is made under Code Section 408A(d)(3)(A).

10.9 Designation of Beneficiary. Each Participant shall designate a primary Beneficiary and a contingent Beneficiary to receive any death benefit under this Plan in accordance with this Section. The designation of a primary Beneficiary and a contingent Beneficiary may be changed from time to time by filing a new designation in writing with the Employer. This designation shall be made at the time and in the manner established by the Employer in accordance with Code Section 401(a)(9) and the Regulations issued thereunder.

(a) Primary Beneficiary. A primary Beneficiary’s rights shall arise if the Participant dies before receiving all of his or her benefits.

(b) Contingent Beneficiary. The rights of a contingent Beneficiary shall arise if the primary Beneficiary predeceases the Participant, if the primary Beneficiary (who is not the Participant’s surviving spouse) has not survived to receive all of the Participant’s undistributed death benefits, or if the Participant’s surviving spouse (who is the primary Beneficiary) has not survived to receive all of the Participant’s undistributed death benefits and has not designated a contingent Beneficiary.

If the Participant’s surviving spouse is the primary Beneficiary at the Participant’s death, the Participant’s surviving spouse may designate a contingent Beneficiary. Otherwise, if the primary Beneficiary is other than the Participant’s surviving spouse and if the Participant specifically elects, the primary Beneficiary may designate a contingent Beneficiary. If the primary Beneficiary makes a designation of a contingent Beneficiary (as the surviving spouse of the Participant or pursuant to the election by the Participant permitting such a designation), the primary Beneficiary’s designation of a contingent Beneficiary shall be controlling and shall supersede any designation of a contingent Beneficiary by the Participant. In the event that a contingent Beneficiary has not been designated in accordance with Subsection (b) of this Section, then the designation of a contingent Beneficiary shall be made in accordance with Subsection (e) of this Section.

(c) Requirements of Spousal Consent. Each Participant for whom a spousal consent is required in accordance with this Section shall obtain the consent of his or her spouse in writing on the beneficiary designation form filed with the Employer. Any beneficiary designation made by a Participant at a time when no spousal consent was required and prior to the time benefit payments commence shall be void if spousal consent is required at the time benefit payments commence, unless spousal consent to that designation is obtained in accordance with this subsection.

The written consent of the Participant's spouse shall be obtained in the event the Participant's spouse has a community property interest in the Participant's Account and the Participant designates another individual or entity (rather than the spouse) as the sole primary Beneficiary.

(d) When Spousal Consent is Not Required. Generally, the consent of Participant's spouse to the Participant's beneficiary designation is required; however, no spousal consent is required if –

(1) the Participant designates his or her spouse as the sole primary Beneficiary; or

(2) the Participant establishes to the satisfaction of the Administrator that: (i) he or she has no spouse; (ii) the spouse cannot be located; or (iii) other circumstances apply that make spousal consent unnecessary.

(e) Designation of Beneficiary by Employer. If, on the death of a Participant, former Participant, or the death of the current Beneficiary following the death of the Participant, the Administrator does not have a valid Beneficiary designation on file, the Employer shall designate a Beneficiary in the following order of priority:

(1) surviving spouse or registered domestic partner under state law;

(2) surviving children, including adopted children, in equal shares;

(3) surviving parents, in equal shares;

(4) Participant's estate; provided, however, that irrespective of said order of priority, the Employer may designate the Participant's estate or the trustee(s) of the trust(s) named as the Beneficiary of the residue of the Participant's probate estate as Beneficiary. The Employer's determination of the individuals or entities as Beneficiary shall be final.

10.10 Distribution under Domestic Relations Order. An "alternate payee" under a "domestic relations order" ("DRO") shall be entitled to benefits in accordance with the requirements of this Article, except that a distribution pursuant to a DRO will be permitted whether or not the affected Participant has experienced a Severance from Employment. For purposes of this Section, "domestic relations order," and "alternate payee" shall have the meanings set forth in Code Section 414(p).

10.11 Distribution in Cash or Kind. Whenever a distribution is to be made from the Plan, the Administrator may cause any distributions to be made in cash, in kind, or a combination thereof.

10.12 Rollovers Disregarded in Determining Value of Account Balance for Involuntary Distributions. For purposes of Sections 10.3, 10.4(a) and (c) and 10.5(a), the value of a Participant's Account balance shall be determined without regard to that portion of the Account balance that is attributable to rollover contributions (and earnings allocable thereto) within the meaning of Code Sections 402(c), 403(a)(4), 403(b)(8), 408(d)(3)(A)(ii), and 457(e)(16).

ARTICLE XI LOANS TO PARTICIPANTS

11.1 Loans. The Employer shall be authorized to direct the Trustee to make loans to Participants and their Beneficiaries as a result of a completed loan application duly filed and approved by the Administrator or its designee.

11.2 Loan Procedures. Loans shall be made in accordance with procedures implemented by the Administrator, or its designee, in accordance with the Code and Regulations thereunder.

11.3 Limitations. No loan to any Participant or Beneficiary can be made to the extent that such loan when added to the outstanding balance of all other loans to the Participant or Beneficiary would exceed the lesser of (a) \$50,000 reduced by the excess (if any) of the highest outstanding balance of loans during the one year period ending on the day before the loan is made, over the outstanding balance of loans from the Plan on the date the loan is made, or (b) one-half the present value of the nonforfeitable accrued benefit of the Participant or, if greater, the total accrued benefit up to \$10,000. For the purpose of the above limitation, all loans from all plans of the Employer and other members of a group of employers described in Sections 414(b), 414(c) and 414(m) of the Code are aggregated. Furthermore, any loan shall by its terms require that repayment (principal and interest) be amortized in level payments, not less than quarterly, over a period not extending beyond five years from the date of the loan, unless such loan is used to acquire a dwelling unit which within a reasonable time (determined at the time the loan is made) will be used as the principal residence of the Participant. An assignment or pledge of any portion of the Participant's interests in the Plan and a loan, pledge or assignment with respect to any insurance contract purchased under the Plan, will be treated as a loan under this Section.

11.4 Special Rule for Veterans. Effective December 12, 1994, the suspension of an Employee's obligation to repay a plan loan for the period during which the Employee is performing military service (as described in Section 414(u)(4) of the Code) will not disqualify the Plan from satisfying the prohibited transaction exemption for plan loans.

ARTICLE XII AMENDMENT AND TERMINATION

12.1 ~~11.1~~ Employer Reserves Right to Amend. The Employer reserves the right to amend the Plan, including retroactive amendments, provided that no such amendment

or modification shall revert any part of the principal or interest of the Trust to the Employer; or shall divert any part of the assets of the Trust for purposes other than the exclusive benefit of Participants or their Beneficiaries who have an interest in the Plan or for the purpose of defraying the reasonable expenses for administering the Plan.

12.2 ~~11.2~~ Employer's Discretion. The Employer has established the Plan with the bona fide intention and expectation that it will be able to make its contributions indefinitely, but the continuance of the Plan is not assumed as a contractual obligation by the Employer and the Employer is not under any obligation to continue its contributions or to maintain the Plan for any given length of time. The right is reserved by the Employer, in its sole and absolute discretion, to discontinue contributions or terminate the Plan, at any time, without any liability whatsoever for such discontinuance or termination.

12.3 ~~11.3~~ Termination Events. The Plan and Trust shall terminate upon the delivery to the Trustee of a notice of termination executed by the Employer specifying the date as of which the Plan and Trust shall terminate. Termination of the Plan and Trust shall also occur upon the adjudication of the Employer as bankrupt or the Employer's general assignment for the benefit of creditors.

12.4 ~~11.4~~ Termination Procedure.

(a) Revaluation of Assets and Allocation. Upon the whole or partial termination of the Plan, the Trustee shall revalue the Trust assets as of the date of termination and, after satisfying Trust obligations, shall adjust all Participants' Accounts for such obligations and Trust profits or losses (whether or not such profits or losses have been realized) to the date of termination. The allocation to each individual Participants' Accounts of expenses, profits, or losses shall be in the proportion that the Account values of each individual Participant bears to the total Account values of all Participants.

(b) Distribution of Assets. Upon termination of the Plan in whole or in part, the Employer may direct the distribution of Participant Accounts to each Participant. Distribution may be made in a single lump sum payment, in cash or assets of the Trust, without the Participant's and spouse's consent.

ARTICLE XIII~~ARTICLE XII~~
GENERAL PROVISIONS

13.1 ~~12.1~~ Non-Reversion. No portion of the principal or income of the Trust from the Employer contributions shall be paid to or revert to the Employer or be used for a purpose other than for the exclusive benefit of the Participants and their Beneficiaries, except to defray reasonable expenses of the administration of the Plan; provided, however, that in the case of a contribution which is made by an Employer by a mistake of fact, the Trustee may return such contribution to the Employer within one (1) year after the payment of the contribution.

13.2 ~~12.2~~ Type of Plan. The Plan is a governmental plan as defined in Code Section 414(d).

13.3 ~~12.3~~ Nondiscrimination. Effective for the Plan Year beginning after August 17, 2006, governmental plans (within the meaning of Code Section 414(d)) maintained by a State or local government or political subdivisions thereof (or agency or instrumentality thereof) are exempt from the nondiscrimination and participation requirements of Code Sections 401(a)(3), 401(a)(4) and 401(a)(26).

13.4 ~~12.4~~ Special Rules for Veterans. Notwithstanding any provision of this Plan to the contrary, effective December 12, 1994, contributions, benefits and service credit with respect to “qualified military service” will be provided in accordance with Code Section 414(u). Effective for years beginning after December 31, 2008, an individual receiving from the Employer a differential wage payment, as defined in Code Section 3401(h)(2), shall be treated as an Employee of the Employer and the differential wage payments shall be treated as Compensation for purposes of determining vesting and benefit accrual. The Plan shall not be treated as failing to meet the requirements of any provision described in Code Section 414(u)(1)(C) by reason of any contribution or benefit which is based on the differential wage payment.

In addition, in the case of a Participant who becomes disabled or dies during qualified military service, as defined in the Uniformed Services Employment and Reemployment Rights Act (“USERRA”), on or after January 1, 2007, the Participant or his or her designated Beneficiary shall be entitled to any additional benefits provided under the Plan as if the Participant had resumed employment with the Employer on the day preceding death or Disability and then terminated employment on the actual date of the death or Disability.

13.5 ~~12.5~~ Discharge of Employee. The adoption and maintenance of the Plan shall not be deemed to be a contract between the Employer and any Employee. Nothing herein contained shall be deemed to give any Employee the right to be retained in the employ of the Employer or to interfere with the right of the Employer to discharge any Employee at any time.

13.6 ~~12.6~~ Consolidation With Other Plan. In the event the Plan and the Trust merge or consolidate with, or transfer the assets and liabilities to, any other qualified plan of deferred compensation, no Participant herein shall, solely on account of such consolidation or transfer, be entitled to a benefit on the day following such event which is less than the benefit to which he or she was entitled on the day preceding such event. For the purpose of this Section, the benefit to which a Participant is entitled shall be calculated and based upon the assumption that a Plan termination and distribution of assets occurred on the day as of which the amount of the Participant’s entitlement is being determined.

13.7 ~~12.7~~ The Plan. The Trust and the Plan are part of a single, integrated employee benefit system and shall be construed together. In the event of any conflict between the terms of these documents, such conflict shall be resolved first in favor of the Plan, and then the Trust.

13.8 ~~12.8~~ Applicable Law. The Plan and Trust, including any administrative policies adopted by the Employer (collectively the “Plan Documents”), shall be construed, administered and governed under the Code; and to the extent any of the provisions of the Plan Documents are inconsistent with the Code, the provisions of the Code shall control. The Plan Documents shall also be construed, administered and governed by the laws of the State of California to the extent that the state law is not superseded or inconsistent with the Code. If, however, any provision is susceptible to more than one (1) interpretation, such interpretation shall be given thereto as is consistent with the Plan Document being a qualified plan and trust within the meaning of the Code.

13.9 ~~12.9~~ Successors and Assigns. The Plan shall inure to the benefit of and be binding upon the parties hereto, their successors and assigns.

13.10 ~~12.10~~ Severability. If a court of competent jurisdiction shall find any provision of the Plan invalid or unenforceable, the remaining provisions of the Plan shall continue to be fully effective.

13.11 ~~12.11~~ Gender and Number. Words used in the masculine, feminine, or neuter gender shall each be deemed to refer to the other whenever the context so requires; and words used in the singular or plural number shall each be deemed to refer to the other whenever the context so requires.

13.12 ~~12.12~~ Headings. Headings used in the Plan are inserted for convenience of reference only and any conflict between such headings and the text shall be resolved in favor of the text.

13.13 ~~12.13~~ Counterparts. The Plan may be executed in an original and any number of counterparts by the Employer, each of which shall be deemed to be an original of one and the same instrument.

[SIGNATURES ON FOLLOWING PAGE]

EXECUTION

IN WITNESS WHEREOF, the Employer has caused this Restated Plan document to be executed on _____.

EMPLOYER

MUNICIPAL WATER DISTRICT OR
ORANGE COUNTY

By: _____

By: _____

APPROVED AS TO FORM AND CONTENT:

BEST BEST & KRIEGER LLP

By: _____
Attorneys for Employer

Summary report: Litéra® Change-Pro 7.5.0.135 Document comparison done on 12/2/2015 5:40:57 PM	
Style name: Default Style	
Intelligent Table Comparison: Active	
Original DMS: iw://iManage/iManage/9138443/1	
Modified DMS: iw://iManage/iManage/22278774/1	
Changes:	
Add	219
Delete	50
Move From	1
Move To	1
Table Insert	0
Table Delete	0
Table moves to	0
Table moves from	0
Embedded Graphics (Visio, ChemDraw, Images etc.)	0
Embedded Excel	0
Format changes	0
Total Changes:	271



ACTION ITEM
February 17, 2016

TO: Board of Directors

FROM: **Administration and Finance Committee**
(Directors Thomas, Finnegan and Osborne)

Robert Hunter, General Manager

Staff Contact: Jonathan Volzke

SUBJECT: 2015-16 Value of Water CHOICE Communications Plan and Contract with the Orange County Register

STAFF RECOMMENDATION

Staff recommends the Board of Directors approve the Orange County Register contract.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

The Value of Water Communications Plan is an annual CHOICE program funded by participating agencies.

The program has been presented in meetings of the Public Affairs and Legislative Committee, as well as in the General Manager's Report to Directors. The general program and choice budget were approved in this year's budget. However, specific program components and contracts were modified in conjunction with the Member Agencies in response to the drought conditions and subsequent to the annual budget approval.

This year's CHOICE communications program is built around a series of full page, color advertorial stories placed in the Orange County Register Local section each Sunday – the day of the paper's highest readership. The Register has a Sunday circulation of 311,000, which accounts for a readership of 777,500.

Budgeted (Y/N): Yes	Budgeted amount: \$195,000	Core	Choice _X
Action item amount:		Line item:	
Fiscal Impact (explain if unbudgeted): Within projected budget			

Nineteen agencies joined the program this year. (See attached list for all participating agencies.) The agency contributions total \$175,000

Working with participating agencies, MWDOC has developed a list of subjects that will be covered in the weekly pages. The Register's "custom content" team writes the story and lays out the page, with MWDOC having final approval.

The page also includes a calendar of public events hosted by participating agencies and a weekly "featurette" on one of the participating districts.

The series began with "Where OC Gets Its Water" and since has provided participating agencies an opportunity to showcase their conservation efforts. Future planned pages include explanations of the intricacies – and legalities – of storm water capture, rate-setting and the California WaterFix.

The information is also being used on social media and is posted on the OC Register's website under its "Knowledge Café."

The \$195,000 approved budget was a "not to exceed amount," based on payments from participating agencies. That amount would have covered each week from the start of the program in December to the end of this fiscal year. However, agency participation at \$175,000 will fall short of that goal, ending the program in May.

The amount covers the cost of the page and MWDOC administration costs.

The participation levels were set for each agency based on the size of the agency. It did not increase from the previous year's program.

The agreement with the Orange County Register is attached.

Nov. 18, 2015

MEMORANDUM OF UNDERSTANDING (MOU) between:

A consortium of Orange County-based water districts (Consortium) led by the Municipal Water District of Orange County, and Freedom Custom Content (Freedom CC), a division of Freedom Communications, concerning a comprehensive content marketing campaign in print and online focused on the Value of Water and benefits and strategies to use water efficiently.

CAMPAIGN RATIONALE:

Potable water travels hundreds of miles to reach Orange County, and many consumers are unaware of the infrastructure required to ensure the reliable delivery of safe, clean water. Additionally, studies show that Orange County residents generally are unaware of the key elements of the state's water infrastructure, such as the Colorado River Aqueduct and California Delta, and the importance of those systems to Orange County.

Orange County water agencies, who for years were satisfied to remain "the silent service," have also learned that customers and stakeholders are generally unaware of the coordination between agencies, the ongoing investment in water infrastructure, the study of future reliability needs and the long-term planning engaged by the water industry.

In addition to these issues, Orange County and much of California is now entering the fifth year of a record drought that has parched the region and triggered unprecedented mandatory reductions in commercial and consumer. A content marketing campaign in the Orange County Register—print and online—will help tell the vital importance of changing our mindset, lifestyle and daily habits when it comes to water by conveying to residents the true "Value of Water."

CAMPAIGN EXECUTION:

Freedom CC has the capabilities and experience to deliver this custom content marketing campaign that will be published on Freedom Communications' channels and ultimately repurposed across a variety of third-party channels identified by the consortium of water districts sponsoring this public service campaign. Functioning as an independent business unit, Freedom Custom Content is comprised of veteran writers, editors and designers who are not affiliated with Freedom News Group, the news gathering arm of Freedom Communications. The following outline details the specific services provided by Freedom CC for the "Water Wise Lifestyle" campaign.

625 N Grand Ave, Santa Ana, CA 92701
Heidi Frincke
714-796-7818

FREEDOM CC AGREES TO:

- Up to 30 custom, full-page narrative ads for newsprint to be published in the Orange County Register (OCR). The campaign will start on Dec. 13, 2015 and will publish through July 1, 2016. A specific publication and production calendar will be submitted and approved before the campaign is launched. **Maximum insertions for the campaign: 30.**
- All full-page ads will be in color and will appear in the Sunday Local section of the OCR (section placement TBD).
- All content appearing in "Water Wise Lifestyle" campaign will be published on ocregister.com in the digital library known as the "Knowledge Café." Each narrative will be optimized for search and will include links. (Note: Options are available for additional digital marketing through Digital Freedom, a propriety product offered to Freedom clients exclusively.)
- Custom-design all narrative ads with the Municipal Water District of Orange County and/or its designated representatives having full approval before any modules are published.
- Incorporate marketing messages in a designated branding bar in each narrative.
- Report, write, edit and revise content for narratives. Municipal Water District of Orange County and participating member agencies will assist with content narratives for this program. Note: Freedom CC must approve any content submitted by the Municipal Water District of Orange County. The Municipal Water District of Orange County has final approval for all narratives prior to publication.
- Supply photography, graphics and other visual elements as needed for narrative ads.
- Provide narrative ads upon request to the Municipal Water District of Orange County in various formats for repurposing across their communication and marketing platforms.

THE Municipal Water District of Orange County AGREES TO:

- Place up to 30 full-page insertions in OCR.
- Make key specialists, experts, contractors or collaborators available for interviews to assist Freedom CC report and complete individual narratives.
- Supply existing photography, graphics and other visual elements as needed for the narrative ads.
- Deliver content and/or messaging for the "branding bar" on each narrative ad. The branding bar content can change week-to-week.
- Approve final narratives by mutually agreed-upon deadlines.

625 N Grand Ave, Santa Ana, CA 92701
Heidi Frincke
714-796-7818

- Label each narrative with a "sponsor" whether it is the Municipal Water District of Orange County or a third-party. Any sponsor other than the Municipal Water District of Orange County or a related entity must be pre-approved by Freedom CC.
- The Municipal Water District of Orange County will work with Freedom CC to select topics for each content module and identify the raw material or expert for each topic. The two entities will work as much as possible in four-week increments with Freedom CC coordinating all elements and the execution of this campaign.

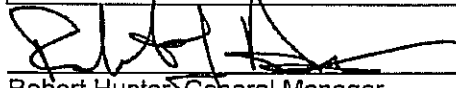
CAMPAIGN INVESTMENT:

The total investment of this campaign in OCR print and online at ocregister.com as outlined in this agreement is up to \$195,000, or \$6,500 per week, with the option to renew at the same rate. As a bonus, Freedom CC will place the same full-page advertisement in the community weekly paper that corresponds with sponsoring water district for that week. For example: If El Toro Water District is the primary sponsor of advertisement in OCR that content ad with their branding message then will be published in Saddleback Valley News weekly that week. Total value of the 30 additional full pages that will appear in a dozen weeklies is \$30,000.


The Municipal Water District of Orange County and/or Freedom CC will have the right to cancel this agreement, at any time and for any reason, with 30 days written notice via U.S. mail or e-mail. Payment schedule for this campaign is to be determined and agreed upon by both parties. This is a binding agreement and it may be amended only with mutual written consent of the two parties.

We look forward to build a strong working partnership.

THE ORANGE COUNTY REGISTER- ROP	RETAIL RATES	RETAIL RATES	WATER CONSORTIUM
Ad size:	Daily	Sunday	Daily/Sunday
Full Page 4 Color	\$15,221.00	\$17,713.00	\$7,000.00
Half Page 4Color	\$7,433.75	\$8,650.90	\$5,500.00


 Robert Hunter, General Manager
 Municipal Water District of Orange County

12-11-15
 Date


 Natalie Rubalcava, Director of Sales Strategy and Development
 Freedom Communications

12-23-15
 Date

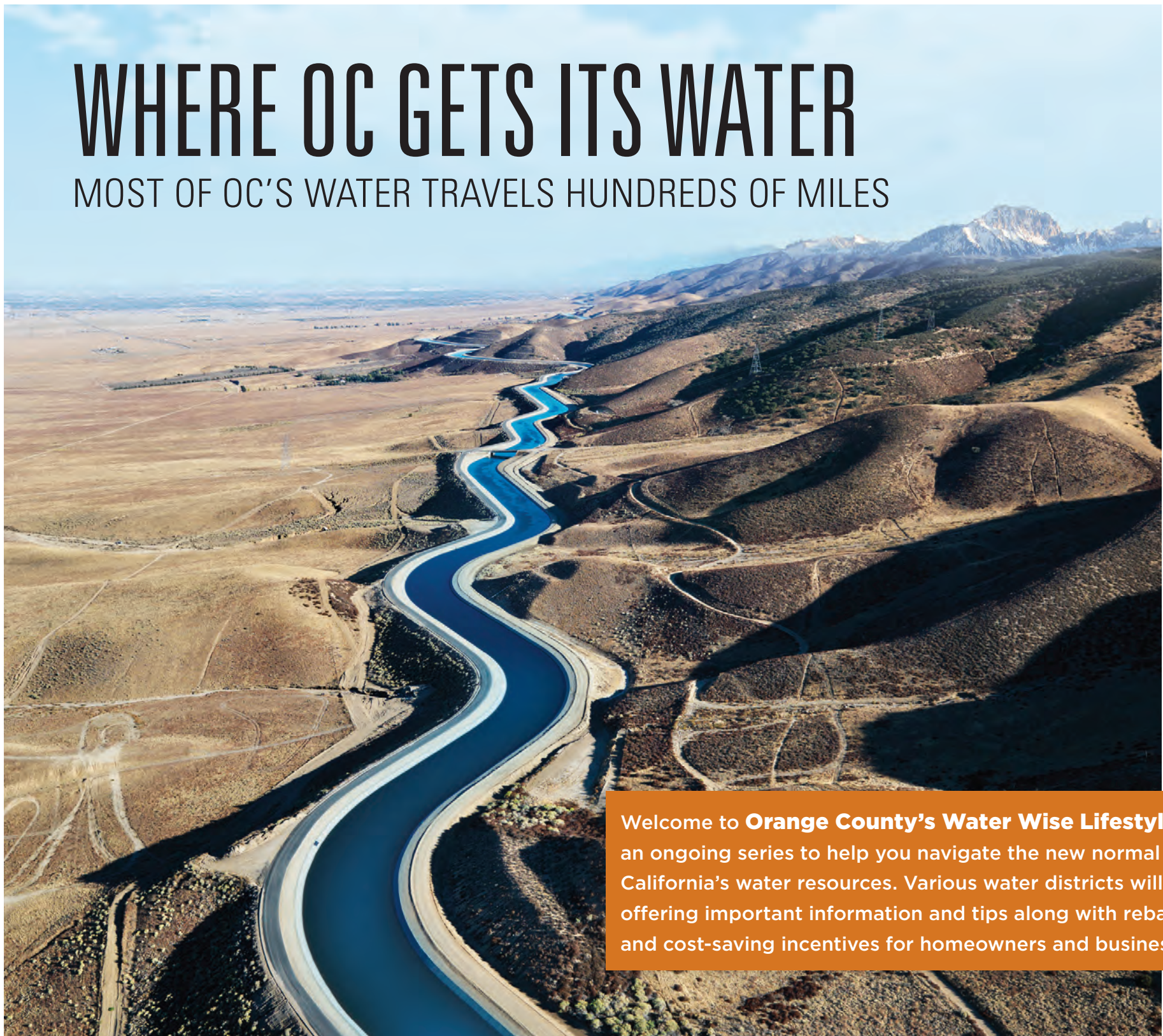
625 N Grand Ave, Santa Ana, CA 92701
 Heidi Frincke
 714-796-7818

<u>Publication Date</u>	<u>UPDATED Main Story</u>	<u>Water District Featured</u>
12/20/15	Where Does OC Get its Water?	
12/27/15	Will El Nino End the Drought? What it Means to OC	
1/3/16	New Years Resolutions on Saving Water	Huntington Beach
1/10/16	How OC Water Districts Preparing for El Nino	Buena Park
1/17/16	Year in Review: How OC Responded to Drought	Trabuco Canyon
1/24/16	How OC Responded to Drought, p 2	Brea
1/31/16	Dinner with Felicia Marcus; New Regs	No profile
02/07/16	OC Businesses Handling the Drought	San Clemente
02/14/16	Beyond the Hype - How water rates are set why they vary	
02/21/16	OC Reliability Study	
02/28/16	California Water Fix/Importance to OC	
3/6/16	Water Recycling/Reuse	
3/13/16	Stormwater Capture/Runoff Capture - Why does water run to ocean?	
3/20/16	Desalination - Will it happen in OC?	
3/27/16	How Development Continues in the Drought	
4/3/16	Educating Children - School Programs and more	
4/20/16		
4/27/16		
5/1/16	Weather Stations and more - high tech	
5/8/16		
5/15/16	OC Water Summit	
5/23/15		
5/30/16		

Agency	Contact	email	phone	advertising Paid
Brea	Chris Reimer	Chrisr@cityofbrea.net	714.990.7600	7,000
Buena Park	Francisco Gutierrez	fgutierrez@buenapark.com	714.562.3500	9,000
East OC Water District	Lisa Ohlund	lohlind@eocwd.com	714.538.5815	5,000
El Toro Water District	Sherri Seitz	sseitz@etwd.com	949.837.7050 x239	7,000
Fountain Valley	Betsy Eglash		(714) 593-4603	8,000
Garden Grove	Cel Pasillas		(714) 741-5000 x5276	14,000
Huntington Beach	Sylvia Franklin	sfranklin@surfcity-hb.org	(714) 374-1503	15,000
Irvine Ranch WD	Beth Beeman	Beeman@irwd.com	(949) 453-5320	15,000
La Habra	Steve Garcia	steve_garcia@lahabracity.org	(562) 383-5175	8,000
Newport Beach	George Murdoch	gmurdoch@newportbeach.ca.gov	(949) 644-3011	8,000
City of Orange	Jose Diaz	jdiaz@cityoforange.org	(714) 288-2475	12,000
San Clemente				8,000
Santa Margarita Water District	Jim Leach	jiml@smwd.com	(949) 459-6601	13,000
Seal Beach	Luis Estavez		(562) 431-2527 x 1433	6,000
Serrano Water District	Jerry Vilander	jerryvilander@gmail.com	(714) 538-0079	5,000
South Coast Water District	Andy Brunhart	abrunhart@scwd.org	(949) 499-4555 x3160	7,000
Trabuco Canyon	Hector Ruiz	hruiz@tcwd.ca.gov	(949) 573-0277	6,000
Tustin	Art Valenzuela	AValenzuela@tustinca.org	714-573-3382	8,000
Yorba Linda	Damon Micalizzi	dmicalizzi@ylwd.com	(714) 701-3033	9,000
OC Storm Water	Justin Glover	justin@communicationslab.com	(949) 215-5539	5,000
				175,000

WHERE OC GETS ITS WATER

MOST OF OC'S WATER TRAVELS HUNDREDS OF MILES



Welcome to **Orange County's Water Wise Lifestyle**, an ongoing series to help you navigate the new normal of California's water resources. Various water districts will be offering important information and tips along with rebates and cost-saving incentives for homeowners and businesses.

BY CATHI DOUGLAS

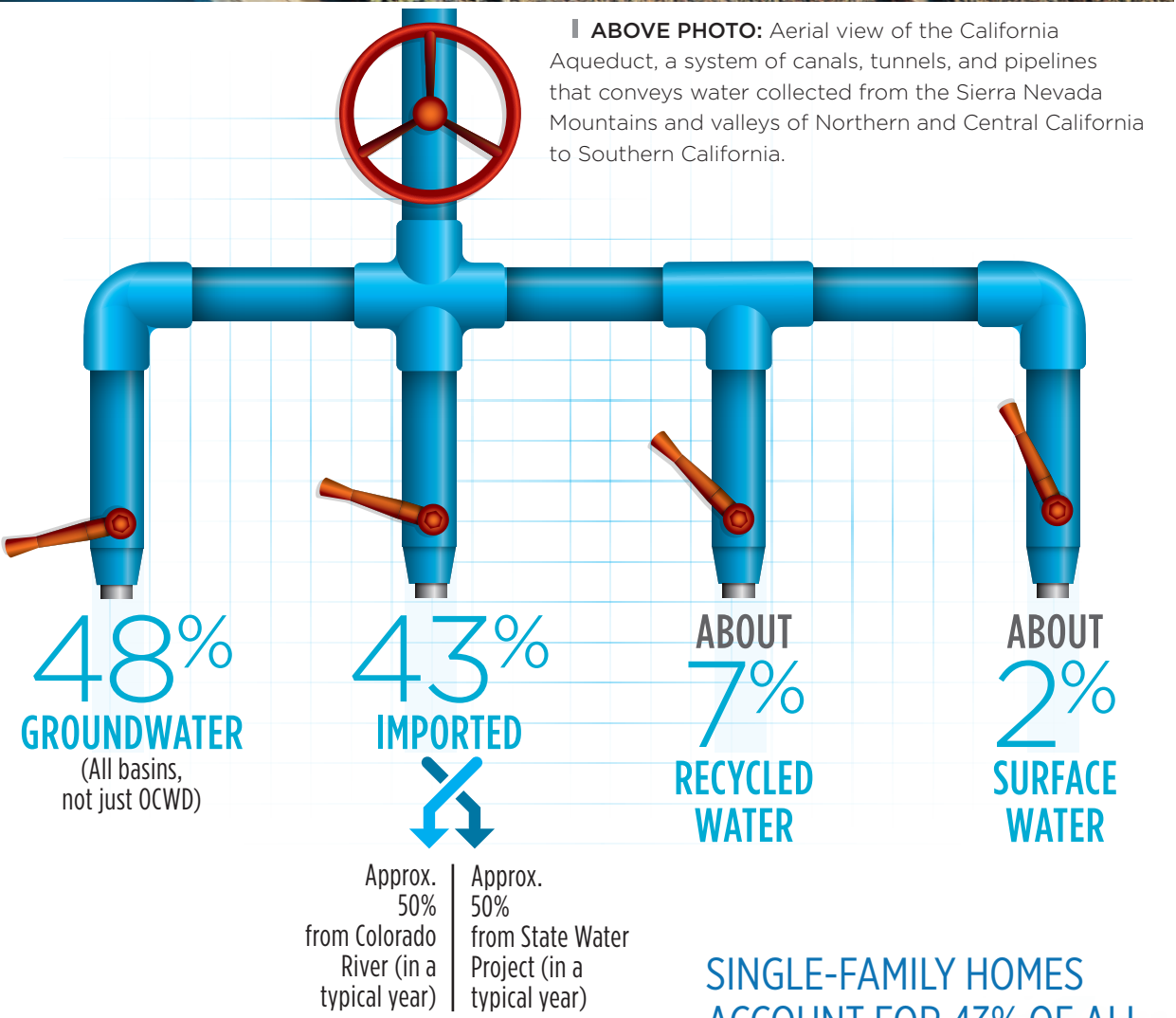
Regardless of predictions of a series of heavy El Niño storms this winter, Orange County's water shortage won't end, water officials say. That's because the water delivery system is complex. Some 43 percent of OC's water is imported – half from the Sierra Nevada via the California Aqueduct and the other half from the Colorado River. The water that is not imported comes from the county's system of groundwater basins, except in South County, which relies solely on imported and recycled water. OC has reached the current limit of its portion of the imported water supply, a supply that has become strained because of years of drought. Thus, more than 25 million Southern California residents – who are already conserving – must learn to use less water; it's the new normal.

"We distribute imported water through 800 miles of pipeline and through five of the largest treatment plants in the world," says Bob Muir, press officer for the Metropolitan Water District of Southern California. "We remain concerned about the drought. You can't always rely on weather predictions when you plan for water reliability." Muir notes that the MWD has been draining its reserves and is poised to take advantage of El Niño storms.

Understanding Orange County's complicated water supply, including where it comes from and how it's treated once it arrives here, provides context for those struggling to cut back on water use.

After the State Water Project – the world's longest aqueduct system – transports water 700 miles from Northern California and the Colorado River Aqueduct brings additional water 242 miles through deserts and over mountain ranges, the MWD uses a sophisticated treatment process to ensure its safety.

"We bring fully treated water ready to drink and untreated water in different pipelines to be used for irrigation, replenishing the groundwater supply, and for other industrial uses," explains Rob Hunter, general manager of the Municipal Water District of Orange County. Before it comes out of our faucets, Hunter notes, imported water goes through high-tech treatment plants that remove



any solids, aerate, chlorinate, oxygenate and filter it to make sure it's safe.

Some OC residents are dependent upon groundwater from basins managed by the Orange County Water District. Groundwater receives different treatment and is disinfected before it is provided to customers. South Orange County residents depend in large part on imported and recycled water, as the major groundwater basin is beneath the northern part of the county.

"Thousands of miles of pipes beneath Orange County deliver water to residents," Hunter says. "When people pay their bill, they forget all the things that go into it – treatment, pipes and 24-hour service seven days a week. What we all pay for is the service: clean safe drinking water delivered 24-7 for our homes, businesses and fire safety.

"All of those things, including maintaining and building the infrastructure, require a highly skilled workforce and a continuous investment."

OC residents have cut water use by 26 percent compared to 2013 usage. "We are making huge strides in using water wisely and cutting our use," Muir says. "Homeowners installing ultra-low-flush and high-efficiency toilets and investing in high-efficiency washers, and businesses using more efficient cooling towers, will drive OC's collective efforts to drive down water use."

SINGLE-FAMILY HOMES ACCOUNT FOR 43% OF ALL WATER USED IN OC. HERE'S HOW WE USE IT



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STORMY WEATHER

WHY ONE EL NIÑO WON'T END THE DROUGHT

BY CATHI DOUGLAS

Even if Orange County receives the strongest, wettest El Niño storms on record this winter as forecasters predict, experts warn that heavy rain in Southern California without significant snowfall in the High Sierras will not be enough to end the state's historic drought.

Worse yet, even if El Niño brings heavy rain and snowfall in the coming months, drought conditions may return next year. In fact, the Association of California Water Agencies warns that Californians may be facing a “new normal” of extreme droughts and floods due to climate change.

More immediately, to alleviate our state's current drought, water experts say that this year's precipitation would need to be about 120 percent of average, or about 60 inches in key Northern California watersheds. Orange County gets about 48 percent of its water from local aquifers, but 43 percent travels hundreds of miles through pipes and aqueducts to get here. The drought is so severe that California would need about three El Niño-type winters of heavy snow and rain to replenish its depleted water storage resources.

“The sources of our water in Northern California and the Colorado region are not as likely to receive above-normal precipitation this winter based on current forecasts,” explains Alex Tardy, a meteorologist with the National Weather Service in San Diego. “Even if there's an abundance of rain in our region, El Niño typically affects Southern California and Arizona. Reservoirs and groundwater take a long time to replenish.”

Nearly five years of drought have reduced the state's key reservoirs to about one-third of their capacity or less, Tardy noted, with groundwater levels down as much as 100 feet in some areas. Snowpack levels at the end of last winter were only 5 percent of average and the lowest in 500 years. Experts say recovery of both reservoirs and groundwater will be a multi-year process.

“We're going to make a big dent in the drought, but it's more complicated initially,” Tardy says. “The long-running

drought has had a long-term impact and it will be a slow recovery. “ It won't be until May when, using sensors, satellites and other methods, scientists will be able to determine if the drought is over. The State Water Resources Control Board, however, is expected to implement new water-conservation mandates in January, meaning local districts will continue to ask customers to cut back water use – regardless of the weather.

At the same time, torrential rainfall could trigger flooding, mudslides and debris flows, especially in areas affected by wildfires, and those instances could potentially affect water supply sources. Water agencies are working to prevent that and protect critical supply resources.

In light of the unpredictability of the upcoming winter weather, Governor Brown has announced that restrictions on water use should continue into next summer. Every year, Californians use 6 million acre-feet more water than our rivers and aquifers can sustainably provide. One million acre-feet is enough to supply approximately 2 million families with water for one year.

“We're not sure if the last six months represent a new weather pattern,” says Nicole Stanfield, Santa Margarita Water District public information manager. SMWD, OC's second largest with 155,000 customers in Mission Viejo, Rancho Santa Margarita, Coto de Caza, Las Flores, Ladera Ranch and Talega, imports 100 percent of its drinking water from the Colorado River Aqueduct and State Water Project.

“With a deficit of four years, it's unlikely that one rainy season will make a difference,” Stanfield says. The district restricts outdoor watering to once a week and urges consumers to reduce both indoor and outdoor use. Most OC water agencies have similar restrictions on outdoor irrigation.

Such conservation measures remain vital, experts say, as OC heads into what may be “the new normal” – even with a record El Nino. ■

Visit www.ocregister.com/sections/knowledge-cafe/ to read more Waterwise Lifestyle

DISTRICT PROFILE

THE MISSION OF THE EL TORO WATER DISTRICT is to provide its customers a safe, adequate and reliable supply of water and wastewater service in an environmentally and economically responsible way.

The El Toro Water District (ETWD) was formed in 1960 when the total population of the District was only 125 people. Today, ETWD serves more than 50,000 people in southern Orange County, including all of the city of Laguna Woods, and portions of the cities of Laguna Hills, Mission Viejo, Lake Forest and Aliso Viejo.

A five-member Board of Directors governs the district, with the Board's policies administered and implemented by General Manager Robert (Bob) R. Hill, and a staff of 57 employees.

A pioneer in water recycling, ETWD built and maintains the El Toro Reservoir, a 275-million gallon recycled water storage facility. In 2012, the District began a comprehensive multi-phase Recycled Water Expansion Project that will increase the amount of recycled water produced for local irrigation. The project is estimated to be completed in mid-2016. By producing more recycled water, the District will save precious imported drinking water for household consumption and sanitary uses. **ETWD.com**



CALENDAR OF EVENTS

JANUARY 2 | 9 A.M.

Roger's Gardens in Corona del Mar hosts **MY EDIBLE GARDEN WITH WELL-KNOWN HORTICULTURIST, DAVID RIZZO**. He will discuss everything edible, including vegetables, herbs, fruits, berries and more. Emphasis this month will be on planting appropriate cool season vegetables and herbs, dormant disease control and pruning of deciduous fruit trees, care of citrus trees, and pruning of berries and grapes. The free hour-long workshop starts at 9 a.m. at Roger's Gardens, 2301 San Joaquin Hills Road, Corona del Mar. See <http://rogersgardens.com> for more information.

JANUARY 13 | 6 P.M.

Irvine Ranch Water District holds a workshop on **HOW TO PREPARE YOUR LANDSCAPE FOR SPRING AND SUMMER**. The workshop begins at 6 p.m., at IRWD's Multi-Purpose Room, 15600 Sand Canyon Avenue. See www.irwd.com for more info.

JANUARY 16 | 8 A.M.

Irvine Ranch Water District hosts a **RAINWATER HARVESTING WORKSHOP AND REBATE EVENT** from 8 a.m. to noon at Home Depot in Lake Forest, at 20021 Lake Forest Road. See www.irwd.com for more information.

JANUARY 22 | 10 A.M.

Santa Margarita Water District holds a **RECYCLED WATER SUMMIT** from 10 a.m. to 1 p.m. The event is at the Rancho Santa Margarita Bell Tower, 22232 El Paseo. See www.smwd.com for more information.

JANUARY 22 | 5:30 P.M.

The Municipal Water District of Orange County hosts a “**WATER POLICY DINNER**” featuring Felicia Marcus, chairwoman of the California Water Resources Board, at 5:30 p.m. See www.mwdoc.com for more information.



Irvine Ranch Water District's 2015 Drought Expo

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10 WATER WISE RESOLUTIONS FOR 2016

BY CATHI DOUGLAS

Saving water all year long, no matter how much it rains here and snows in the mountains this El Niño winter, is part of the new normal for a water-wise lifestyle in Orange County. Here are 10 top ways to save water in the New Year.

1. KNOW WHERE YOUR WATER IS WASTED

Some 50-70 percent of residential water use in Orange County occurs outside of the house, and 60 percent of outdoor watering is over-watering. If we do the math, it's clear that the best way to save water is to limit outdoor water waste.

2. DON'T WATER WHEN IT RAINS!

It seems obvious, but we've all seen sprinklers running during downpours or in the hours after a storm. You can get rebates on soil moisture controllers at ocwatersmart.com. Soil moisture sensor controllers are placed in the root zones of landscapes to determine if and how long to water. They are available as stand-alone controllers or add-on devices to existing controllers. They have been shown to reduce outdoor water use by up to 70 percent without sacrificing the quality or health of your landscape.

3. WATER LESS IN WINTER!

Set your sprinklers for one watering a week in the morning, and water in short bursts. Watering at dawn reduces the chance of evaporation in the hot afternoon sun, and watering in short bursts allows water to better soak into the ground. Or use the information at bewaterwise.com/calculator. Cut down on waste by requesting a weekly or monthly email with the irrigation setting specific to your ZIP code. Sign up at csans.net

4. SHORTEN YOUR SHOWERS

Even a one- or two-minute reduction can save up to 700 gallons per month, for a family of four. Save up to 200 to 300 gallons per month by using a bucket or watering can to capture what you waste while waiting for the shower or sink water to warm up, and use it on house-plants or in your garden.

5. USE A BROOM AND A BUCKET, NOT A HOSE

Using a broom instead of a hose to clean driveways and sidewalks can conserve 150 gallons or more each time. Don't run the hose while washing your car. Use a bucket of water and a quick hose rinse - with an automatic shutoff nozzle on the hose - at the end, which saves 150 gallons each time. For a two-car family, that adds up to 1,200 gallons a month. And remember, your water agency might have prohibitions on certain outdoor water uses, so check their website.

6. WATER THE GREEN, NOT THE GUTTER

Adjust your sprinklers so that water lands on your lawn or garden where it belongs - and only there. That can save 500 gallons per month. Check for broken or clogged sprinkler heads. Also, ensure that nozzles are directed toward your plants and not at a sidewalk or driveway. Even better: upgrade your sprinklers to a high-efficiency irrigation system. Rebates are available at ocwatersmart.com.

7. PLANT A CALIFORNIA NATIVE GARDEN

Replacing high-maintenance, extra-thirsty traditional yards and lawns with California friendly plants can reduce a home's water consumption by 60 percent. Native gardens require less maintenance, don't need chemical fertilizers and attract butterflies and hummingbirds! The Irvine Ranch and Santa Margarita water districts each have demonstration gardens at their headquarters. Visit irwd.com and smwd.com for details. For a great plant database for OC residents visit OCplants.org.

8. DON'T WASTE THE RAIN

One of the keys to a successful, drought-resistant garden is keeping more of the welcome rainwater we've received recently in the garden, where it can do the most good. That way you'll need to irrigate less and can conserve more. A swale is a low area in the yard designed to slow, spread, and sink rainwater into the soil. Consider using water barrels to capture rain from your roof for use on your landscaping. Rebates for rain barrels are available at ocwatersmart.com.

9. UPGRADE YOUR APPLIANCES & FIXTURES

Choose a WaterSense labeled high-efficiency clothes washers, toilets, and showerheads to save more than 20% from conventional appliances. Rebates for these are available too! You could save hundreds of gallons of water each year.

10. LOCATE THE LEAKS

Don't let minor water leaks in your home go unfixed. You can save 20 gallons of water per day for every minor leak fixed, and a leaky toilet wastes up to 200 gallons of water per day. Check for and repair leaks in all toilets, faucets and showerheads. Older toilets can be major water hogs. Upgrade to a newer, more-efficient model. Rebates for new toilets are available at ocwatersmart.com.

Following these 10 Water Wise resolutions in 2016 will not only help you save water, but also learn to adjust to the state's "new normal" of extended dry periods with occasional bouts of wet winter. They're resolutions California can't afford to break. ■

Learn More about the Water Wise Lifestyle at the OC Register's Knowledge Café: ocregister.com/sections/knowledge-café.

DISTRICT PROFILE

THE CITY OF HUNTINGTON BEACH has owned and operated its own water utility since 1964, when the city purchased the system from the Southern California Water Company. Since that time, the city and the water system have grown to service a population of more than 200,000 residents. Today, city employees run the Utilities Division's five distinct sections: administration, quality, production, distribution and meters. For more information on the city's water quality, please see the city's 2015 Water Quality Report at huntingtonbeachca.gov/files/users/public_works/huntington-beach-water-quality-report-2015.pdf.

The Water Division, led by the City Council, also takes an active role in local and regional water issues. The city is a member agency of the Orange County Water District, which taps OCs major aquifer for drinking water, and of the Municipal Water District of Orange County, which provides drinking water from the Colorado River and the State Water Project via the Metropolitan Water District of Southern California.

See more at huntingtonbeachca.gov/government/departments/public_works/utilities.



CALENDAR OF EVENTS

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JANUARY 23 | 8 A.M.

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FIND INSPIRATION CLOSE TO HOME



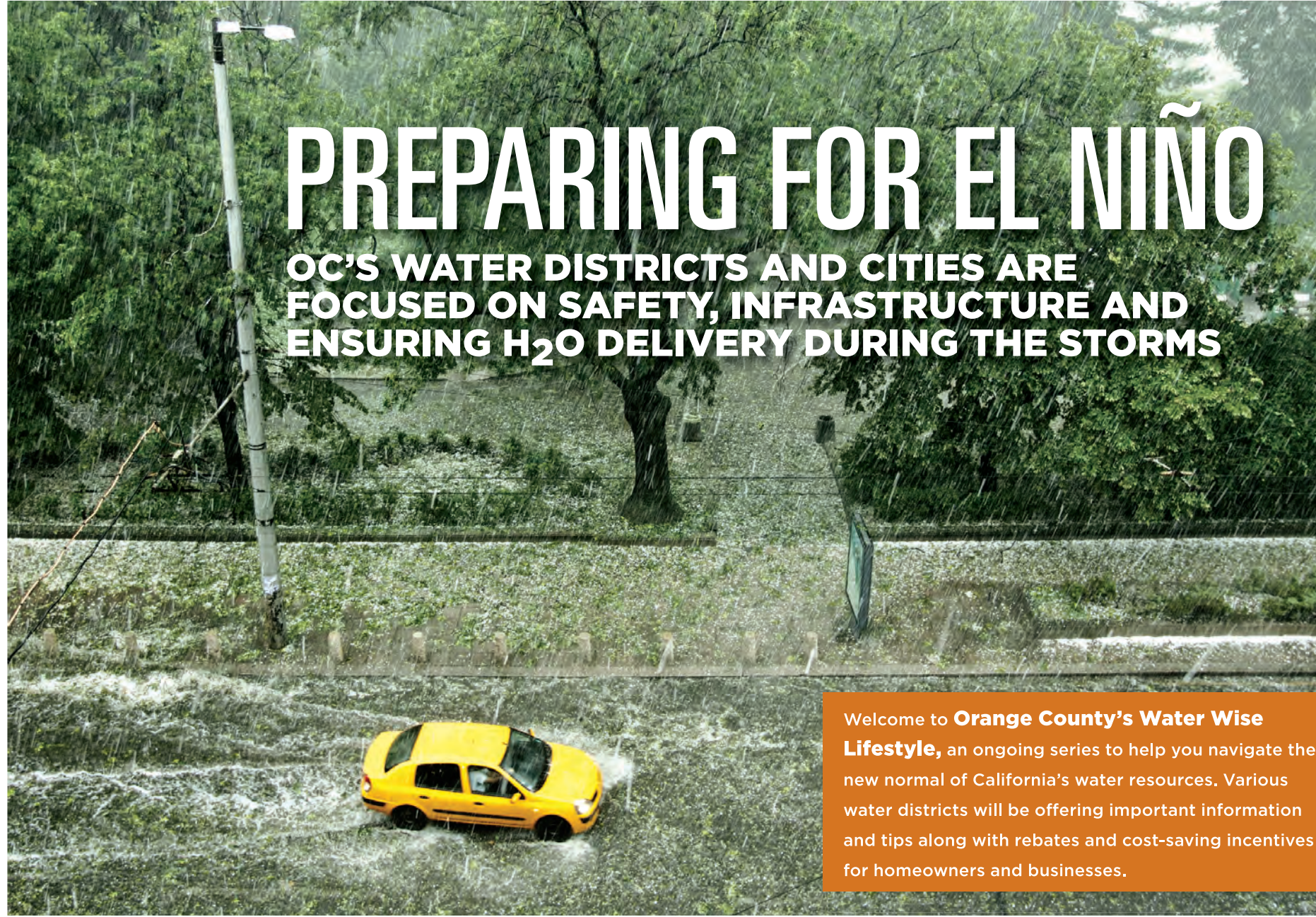
There are natural places and outdoor spaces throughout Orange County to be inspired by and to collect ideas for planting a drought-tolerant garden.

HERE ARE A FEW:

- Bolsa Chica Conservancy
Huntington Beach
- Coastkeeper Garden at Santiago Canyon College | Orange
- Laguna Coast Wilderness Park
Laguna Beach
- Mile Square Park | Fountain Valley
- Newport Beach Civic Center Park
Newport Beach
- Riley Wilderness Park Butterfly Garden
San Juan Capistrano
- Sherman Gardens | Corona del Mar
- Shipley Nature Preserve
Huntington Beach
- Santiago Park Nature Reserve
Santa Ana
- Vista Park | Fullerton

The **Irvine Ranch Water District** and **Santa Margarita Water District** also have demonstration gardens that show a variety of colorful California-friendly plants that would work in your yard. See irwd.com and smwd.com for details.

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PREPARING FOR EL NIÑO

OC'S WATER DISTRICTS AND CITIES ARE FOCUSED ON SAFETY, INFRASTRUCTURE AND ENSURING H₂O DELIVERY DURING THE STORMS

Welcome to **Orange County's Water Wise Lifestyle**, an ongoing series to help you navigate the new normal of California's water resources. Various water districts will be offering important information and tips along with rebates and cost-saving incentives for homeowners and businesses.

BY CATHI DOUGLAS

El Niño storms have arrived as predicted with the dawn of 2016, and a comprehensive network of Orange County cities, water districts, county agencies and other public organizations have launched coordinated response efforts based on long-range emergency planning initiated last fall.

The Water Emergency Response Organization of Orange County began countywide strategy planning in September to discuss California's ongoing drought and preparations for El Niño's impact on the county, says Kelly Hubbard, emergency manager with the Municipal Water District of Orange County and WEROC program manager.

"We started thinking about the drought and how water will flow and what that will mean for us," Hubbard says. "We continue to inform customers that just because it's raining the drought isn't over. We always communicate the safety message. You can float away in your vehicle in just a few inches of water."

WEROC has been working with its 35 member agencies to ensure public facilities such as water pumping stations are clear of debris, protected with strategically placed sandbags and that mudslides don't wash away water pipelines. Hubbard says the group studied the 2010-11 storm season, the last time Orange County experienced significant storms, for lessons to help prevent or mitigate issues during this season's El Niño.

OC Public Works – which has 130 sensors at more than 80 Orange County locations that track storms in real time – leads a countywide maintenance program year-round to ensure 350 miles of county roads and 380 miles of flood channels are clear of debris. The agency monitors National Weather Service forecasts and inspects flood facilities and roads prior to El Niño storms. This winter, heightened focus is on the Silverado Canyon area, which experienced a September 2014 fire that left steep hillsides vulnerable to mudslides and debris flow during heavy rainfall. The agency stationed workers and equipment in the area to quickly clear any debris.

Water districts and cities throughout Orange County, such as the South Coast Water District, are prepared to implement, if necessary, their

incident command systems to respond to and manage disruptions, says Sonja Morgan, SCWD public information officer. South Coast provides water, recycled water and wastewater services to residents and businesses in Dana Point, South Laguna, and areas of San Clemente and San Juan Capistrano. The district's website, **scwd.org**, offers customers emergency preparedness information, safety tips and actions they should take in the event of a disaster such as El Niño or earthquakes. SCWD has also added an "El Niño Resource Guide" to its website.

SCWD's website recommends that residents assemble home disaster kits including water (at least one gallon per family member per day), food and medical supplies to last for at least three days. In addition, an emergency communications plan should be in place in case family members are separated. The website offers wallet-sized information cards to help customers start the process.

Countywide, El Niño preparedness means increased, ongoing coordination between multiple agencies, including non-profit organizations, community groups, fire officials and law enforcement, to ensure officials work hand-in-hand on emergency planning and storm response. Such actions must be tailored to meet the unique geographical needs of each community – whether it's a coastal city, a rural area, or a relatively flat neighborhood.

Jim Auger, utilities manager for the city of Newport Beach, noted that the city is unique because of the tidal valves it monitors on the coastline, which must be closed during high tides and then opened in a short time by city crews to avoid flooding in the Balboa Island and peninsula areas.

Auger noted that Newport Beach already experienced extreme high tides at Thanksgiving and Christmas, which are expected to continue throughout the winter storm season. "With high tides and rain simultaneously, we must watch the weather carefully," Auger says. "This winter isn't any different than what we experience every year, but we'll have more rain and we'll be dealing with it on a daily basis."

To learn more about Water Emergency Response Organization of Orange County, see **mwdoc.com/weroc**. ■

As El Niño storms begin

to drench Orange County, residents are urged to sign up for AlertOC, a mass notification system designed to keep residents and businesses informed of emergencies and certain community events. By registering with AlertOC, time-sensitive voice messages from the County or City in which you live or work may be sent to your home, cell or business phone. Text messages may also be sent to cell phones, e-mail accounts and hearing impaired receiving devices. **Sign up at alertoc.org**

Orange County agencies have also created a website with information about El Niño, the county's response current conditions and steps residents can take to be prepared. **See more information at ocelnino.com** ■

CALENDAR OF EVENTS

JANUARY 13

Irvine Ranch Water District holds a **WINTER GARDENING WORKSHOP** on how to prepare your landscape for Spring and Summer. Topics include plants, pruning, soils, inspecting your sprinkler system and overall landscape care. The workshop is from 6 p.m. to 8 p.m., at IRWD's Multi-Purpose Room, 15600 Sand Canyon Avenue.

Irvine Ranch Water District hosts a **RAINWATER HARVESTING WORKSHOP AND RAIN BARREL/ NIAGARA STEALTH TOILET SALE & REBATE EVENT** from 8 a.m. to noon at Home Depot in Lake Forest, at 20021 Lake Forest Road. See rightscapenow.com/events. com for more information.

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ocregister.com/sections/knowledge-café.

WATER PARTNER PROFILE: BUENA PARK



Known as the "center of the Southland," Buena Park is a 10-mile-square city of about 81,000 residents with a distinct heritage. Its main claim to fame is as home to the popular Entertainment Zone, with attractions such as Knott's Berry Farm, Medieval Times Dinner and Tournament, Knott's Soak City U.S.A. and the Pirates Dinner Adventure. Water for Buena Park residents and businesses is provided by the Metropolitan Water District and the city.

Buena Park Public Works prepared early for El Niño storms, says Francisco Gutierrez, associate engineer, by patrolling the city's storm drains to clear blockages and other potential problems, cleaning catch basins and trimming mature trees to protect power and phone lines. Pallets of sandbags were provided at the City Yard for property owners, who can take up to 10 bags to protect their properties. **Learn more at buenapark.com.**

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RISING TO THE TOP

ORANGE COUNTY CITIES AND WATER AGENCIES HAVE WORKED WITH CUSTOMERS TO **MEET THE GOVERNOR’S CALL TO USE LESS WATER.**



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In fact, Orange County cities and water districts implemented a number of innovative measures to conserve water. Some highlights among many the countywide efforts include:

> In **GARDEN GROVE**, water conservation efforts became the norm even before the drought began, said Cel Pasillas, water quality supervisor. Garden Grove redesigned many city medians with drought-tolerant plants and water-efficient irrigation controllers, and the city continues to apply for additional grants to expand these median projects. Watering of existing median turf areas has been discontinued. Garden Grove participates in MWDOC’s Water Conservation Rebate Programs, which provide residential and commercial customers with financial incentives for using water-saving devices. Public outreach efforts include presenting conservation information to the City Council and various Neighborhood Watch groups, and participating in well-attended city events to answer conservation inquiries and offer educational materials. Garden Grove passed a resolution in conjunction with the state mandates to regulate outdoor watering to twice weekly.

> In response to Governor Brown’s emergency drought regulations, **BUENA PARK** developed an aggressive outreach and education campaign to help engage the community to work together to conserve water. The Buena Park City Council led the way by making some hard decisions on tough cuts on outdoor irrigation at key city facilities, said Francisco Gutierrez, associate engineer. Staff was redirected to educate the community with a “Stop, Knock, Talk” campaign about the importance of the city’s conservation efforts. “The community responded extremely well and I am pleased to say we are on track to meet the state-mandated reduction target of 20 percent,” Utilities Manager Mike Grisso said. “If I had to narrow down the key to Buena Park’s success, I would circle back to the direction from our City Council and city manager in steering this response into an opportunity to engage and educate our customers, instead of a purely compliance-based response.” In the short term, Public Works staff is meeting with businesses and residents encouraging adoption of water-saving strategies. For the long-term, the city is developing water-reclamation opportunities for parks and public spaces.

> **EL TORO** Water District responded to the drought by implementing several measures, including an ordinance declaring a Level 1 Water Alert. “This level reduced the number of days customers could water to three days per week during the summer months and one day per week during the winter months,” said Sherri Seitz, public relations administrator. An accelerated recycled water project allowed El Toro Water District to increase treatment and delivery of recycled water for irrigation purposes to 1,400-acre-feet per year, and an on-site retrofit conversion process decreased overall potable water usage by 26 percent, meeting the state-mandated reduction.

> “Our most recent water production number is from the December period,” noted Jerry Vilander, general manager of the Serrano Water District in **VILLA PARK**. “December was a major milestone for our consumers – they achieved 37.5 percent water savings that month.” The district’s cumulative conservation target set by the state to be met by February 28 is 36 percent, Vilander noted. “Serrano is on track to far exceed that target.”

> Andrew Brunhart, general manager of **SOUTH COAST** Water District, said the district’s multi-faceted Conservation Program, including three recent Water Saver of the Month awards and completion of a major extension of the recycled water system, has resulted in a cumulative reduction, June through December 2015, of 28.6 percent.

> “For the short term, Public Works staff is meeting personally with businesses and residents encouraging adoption of water-saving strategies,” noted the city of **BREA**’s Chris Reimer, senior management analyst. “For the long term, our organization is developing some water reclamation opportunities for parks and public spaces.”

> **EAST ORANGE COUNTY** Water District has been meeting the state’s 36 percent water reduction mandate, “thanks to an extensive community outreach and education campaign by the District and the cooperation and commitment of our customers to strict water conservation at their homes,” said General Manager Lisa Ohlund. The District hosted neighborhood meetings, mailed letters and distributed door hangers with information about the drought and the water reduction mandate. Its field staff provided courtesy home water system and landscape audits and consultations, including personal irrigation timer resets. Water budgets were assigned in 2010, before the current drought, which gave the District the ability to apply the 36% cutback equitably. Customers who had conserved for years, got credit for that conservation. Water bills included monthly updates on customer usage and offered suggestions to help them stay within their water budgets. The District also increased its use of social media, earned media in local newspapers and print advertising to increase awareness and ensure customers understood why enhanced conservation was being required. “We believe that we will achieve our goal of complying with the state mandate,” said Ohlund. “We truly appreciate our customers and all that they have done – and continue to do – to conserve our precious water resources.” ■

CALENDAR OF EVENTS

FEBRUARY 3

Irvine Ranch Water district holds a **RIGHTSCAPE WORKSHOP ON PLANT SELECTION AND LANDSCAPE FEATURES**. Learn how to select the right plants for the right location, edible gardening and landscape features for water harvesting. The workshop is from 6 to 8.p.m. at IRWD’s Multi-Purpose Room, 15600 Sand Canyon Ave. For more info and to sign up visit rightscapenow.com/events

FEBRUARY 6

The UC Cooperative Education Master Gardeners program introduces Saturdays@SouthCoastREC, a family-friendly adventure series for those interested in learning about **GARDENING AND FOOD PRESERVATION**. The events begin at 9 a.m. at South Coast Research and Extension Center, 7601 Irvine Blvd, Irvine. The admission fee is \$5 per person or \$10 per family of two or more. Parking is free. See uccemg.com/?story=1798 for more info.

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Learn More about the Water Wise Lifestyle at the OC Register’s Knowledge Café: ocregister.com/sections/knowledge-café

WATER PARTNER PROFILE: CITY OF BREA

The city of Brea provides water for more than 40,000 residents, as well as hundreds of businesses. In addition, the city provides water for two county regional parks, a county landfill and a power generating facility. Distribution of water throughout varied topographic areas in Brea is challenging with a busy urban hub, expansive industrial tracts and housing located along hillsides and into a steep canyon.

Maintenance of the system includes more than 197 miles of water lines, seven reservoirs and multiple pumping stations to maintain correct water pressure. Brea’s focus is on maintaining all of its assets through a planned capital repair and replacement program. It is key that the city not

avoid needed improvements even in the current state of water emergency. With significant reductions in use, lower revenues become an added difficulty.

As drought conditions persist, Brea actively promotes Water Use Efficiency programs to help residents and businesses reduce their consumption and save on costs. Likewise, Brea parks and public facilities will keep making additional cutbacks and doing retrofits and landscaping projects to realize conservation goals. Looking ahead, even more efficiencies are anticipated to become the norm as the community continues to grow. ci.brea.ca.us



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MEETING THE CHALLENGE

THE GOVERNOR CALLED FOR ORANGE COUNTY TO REDUCE WATER USE BY 22% COMPARED TO 2013.

SO FAR, OC IS NOT ONLY MEETING THE CHALLENGE, BUT BEATING IT WITH A 24% REDUCTION.

Welcome to **Orange County’s Water Wise Lifestyle**, an ongoing series to help you navigate the new normal of California’s water resources. Various water districts will be offering important information and tips along with rebates and cost-saving incentives for homeowners and businesses.

Locally, Orange County cities and water districts implemented a number of innovative measures to conserve water. Some highlights among the countywide efforts include:

> In the city of **SAN CLEMENTE**, the “Around Town” television program, hosted by the then-mayor pro tem, aired on the local government access channel, website and Facebook page, said Laura Ferguson, public information officer. In the program, city officials visited residents’ homes to highlight outstanding water-saving landscape transformations they implemented using the turf-removal rebate program. The program also featured the city’s recycled water expansion project and offered water-wise tips for viewers. Information is available at [youtube.com/watch?v=4fveYKQxU8g](https://www.youtube.com/watch?v=4fveYKQxU8g) & feature=youtu.be

> The **IRVINE RANCH WATER DISTRICT** showed customers a real-life example of how to conserve water, said Beth Beeman, director of public affairs. The district’s Drought Tolerant Demonstration Garden features more than 80 different types of drought-tolerant plants. At 15600 Sand Canyon Ave. in Irvine, the garden shows visitors new ways to design their yards using water-efficient landscaping that utilizes drought-friendly plants. A free brochure describes the plants, and on-site signs provide information on water-wise irrigation techniques and daily watering schedules. More information is at RightScapeNow.com

> “We’ve been pretty aggressive with messaging to our customers to let them know the seriousness of the drought and the effects of the state regulations on our agency,” said Damon Micalizzi, public affairs manager of the **YORBA LINDA WATER DISTRICT**. “We’ve mailed several newsletters, placed signage throughout the district, utilized electronic signs to alert people to changes in watering days, implemented a state-mandated administrative penalty system and hired part-time conservation representatives to help those who aren’t doing everything they can do to save water.” Staff members have been reassigned to full-time leak detection. In addition to finding leaks in the distribution system, the team has discovered nearly 100 undetected leaks on the customers’ side of the meter, resulting in huge water savings and saving these customers thousands on water bills.

> In the city of **FOUNTAIN VALLEY**, a water portal allows customers to log in and monitor their daily, weekly and monthly water usage, said Betsy Eglash, public works management analyst. The portal offers water conservation tips and information about the use of California-friendly plants in landscaping. The district was the first water agency to convert all its meters to a system that delivers real-time usage, allowing it to investigate leaks and high usage within days, Eglash said.

> The **TRABUCO CANYON WATER DISTRICT** has continued to meet and exceed its conservation targets by implementing a community-based approach to customize watering schedules for each of the communities it serves. General Manager Hector Ruiz said the district reached out to its homeowners associations and residents to provide drought information tailored for their communities.

> In the city of **TUSTIN**, residents and businesses saved 28 percent of their water usage, said Art Valenzuela, water services manager. Customers saved 833,326,300 gallons in 2015, which equals 2,283,085 gallons per day. “Our message to customers was that, with the recent rains, they should try their best to reduce outdoor irrigation. Most plants are dormant. They just don’t need it!”

> The **SANTA MARGARITA WATER DISTRICT** created a partnership with its stakeholders to achieve the governor’s 24-percent reduction mandate, noted Jim Leach, external affairs director. “We recognized that many people simply didn’t realize how much water they used, so we went to grocery stores and bagel shops and the car wash and invited them to play ‘Guess Your Gallons,’” Leach said. “Folks wrote down their guess, along with their address, and we used wireless computers with special software to tell them what the actual number was. If they came close, we gave them a gift certificate to whatever business we were at.” Most of the time, Leach noted, residents “were way, way off. It gave us a great opportunity to discuss their water use with them, and provide information on how they could become more water-efficient.” ■

LOOK FOR MORE STORIES OF OC WATER AGENCIES’ EFFORTS NEXT WEEK

Learn More about the Water Wise Lifestyle at the OC Register’s Knowledge Café: ocregister.com/sections/knowledge-café

WATER PARTNER PROFILE: TRABUCO CANYON WATER DISTRICT



Established in 1962, the Trabuco Canyon Water District was formerly known as the Santa Ana Mountains County Water District. Its service area is 16 square miles, nestled next to the Cleveland National Forest, serving about 13,175 residents in some of Orange County’s highest elevations, including areas in the cities of Rancho Santa Margarita, Lake Forest, Mission Viejo, O’Neill Regional Park and other unincorporated areas.

The district offers full service, including water treatment, wastewater treatment, recycled water and urban water runoff collection. Its own water-filtration facility treats imported water from the Colorado River. Another treatment facility treats seasonal local groundwater supplies. It operates a recycled water treatment facility which recycles 100 percent of the wastewater produced in its service area. This recycled water is supplemented with the water collected and stored in Dove Lake by way of three urban water runoff collection facilities.

CALENDAR OF EVENTS

JANUARY 22

Santa Margarita Water District holds a **RECYCLED WATER SUMMIT** from 10 a.m. to 1 p.m. The event is at the Rancho Santa Margarita Bell Tower, 22232 El Paseo. See smwd.com for more information.

The Municipal Water District of Orange County hosts a **WATER POLICY DINNER** featuring Felicia Marcus, chairwoman of the California Water Resources Board, at 5:30 p.m. See mwdoc.com for more information.

JANUARY 23

Irvine Ranch Water District hosts a **RAINWATER HARVESTING WORKSHOP AND RAIN BARREL/NIAGARA STEALTH TOILET SALE & REBATE EVENT** from 8 a.m. to noon at Home Depot in Irvine, 6200 Irvine Blvd. See rightscapenow.com/events for more information.

The Buena Park Public Works Department is hosting a **RAIN WATER HARVESTING WORKSHOP** from 9 to 10 a.m. on Jan. 23 in the council chambers at City Hall, 6650 Beach Blvd. The workshop will focus on the use of rain barrels and other water conservation techniques. Also, there are rebates for rain barrels at ocwatersmart.com

FEBRUARY 3

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OC READIES FOR ADDITIONAL CONSERVATION MANDATES

STATE WATER BOARD CHAIR FACES OC LEADERS AT FORUM

Even as OC readies for a rainy El Nino winter, water leaders are girding themselves – and their customers – for another round of state-wide mandatory conservation measures.

Speaking before several hundred attendees at the Water Policy Forum earlier this month, State Water Resources Board Chair Felicia Marcus said she was impressed by the performance of Orange County water agencies and their customers in meeting existing mandatory state water conservation measures.

Marcus's participation in the forum's question-and-answer session with **Larry D. Dick, a director of the Municipal Water District of Orange County**, came as the State Water Board prepares on February 2 to consider a resolution to extend the existing emergency regulations as ordered by Governor Edmund G. Brown Jr.

The proposed regulations make some concessions to water districts – such as allowing credit for population growth since the baseline year of 2013, and credit to agencies in Central and North OC that benefit from recycled water pumped into the county's primary aquifer. But districts can only get a maximum of an 8 percent credit toward the conservation mandates, which go as high as 36 percent in OC.

A coalition of Orange County agencies – including MWDOC, Irvine Ranch, Yorba Linda, Santa Margarita, Moulton Niguel and Orange County water districts – has worked to soften the regulations.

Despite the pushback from water districts state-wide, Marcus said she believed the governor made the right decision to order the mandatory conservation steps – even though they had “unintended consequences” on water district budgets.

FOLLOWING ARE SOME HIGHLIGHTS FROM THE JANUARY 22 WATER POLICY FORUM:

MWDOC: What would lift the state's conservation efforts?

Marcus: There is a certain level at which the governor will withdraw the drought proclamation. Different parts of the state may be in different situations; we'll see where we are in two months [after the rainy season] and figure out how to do something appropriate. Just last week we got appreciable run-off and snow in the Sierras. Our reservoirs are still below average; snowpack is above average, so we'll keep an eye on things. It ain't over 'til it's over.

MWDOC: Should there be better monitoring of California's snowpack?

Marcus: We have a good measurement to monitor the snowpack. But our groundwater is tremendous-



“I am impressed by the performance of Orange County water agencies and their customers in meeting existing mandatory state water conservation measures.”

Felicia Marcus

STATE WATER RESOURCES BOARD CHAIR

ly depleted and it will take a number of years to restore. The long-term water situation is based on a combination of reservoir water and snowpack. We are still in a very deep hole and it's better to be safe than sorry. Many people are mad at us when we have rain or snow [and still require water-saving measures.] So someone – the governor – had to make the choice to mandate water conservation. If in April we are at 100-plus percent with the snowpack and the reservoirs are higher than average, we'll be having a different conversation.

MWDOC: There's a lot of frustration among water districts that they don't get credit for past projects that developed new sources of water or boosted conservation. Will adjustments encourage conservation incentives in the future?

Marcus: I'm inclined to support staff recommenda-

tions to give credits because of the extent of local investments. But during a three- to four-year drought cycle, those accomplishments are drowned out. The State Water Board approach is focused on the demand side. Perhaps there should be a more balanced approach between supply and demand? When we tried the first round of drought contingency plans they didn't work well and we had to set more baseline standards. The answer is in coming up with a measure that folks can meet and to determine how the state can work with everyone on a general process to tune up the standards.

MWDOC: Will the districts that exceeded their conservation mandates be able to roll their savings forward?

Marcus: We haven't talked about that. I like the cumulative approach. I've had trouble with headlines that say agencies didn't make their goals in a month. The fact that people are saving 20 percent in the winter is amazing – that means they're saving water indoors. Please, don't put the kettle on for your tea. Bathe. Shower – take a short shower. I think people have done amazingly well.

Marcus did imply some level of regulation will continue, even after the drought ends.

“It would be a mistake to toss the whole thing out and say “phew,” she said. “I want us out of the emergency regulation area – we stepped in during the emergency because we had certain tools and we've had this season to think about it. Having a healthy snowpack and healthy reservoirs gives us breathing room to not wait for the next drought but to get in gear and get input on where we want to go next.” ■

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WATER PARTNER PROFILE: EAST ORANGE COUNTY WATER DISTRICT



East Orange County Water District was founded in 1961 and prides itself on providing high-quality, reliable water to its customers and holding the line on expenses. Within its 10-square-mile service area, the district provides retail water service to approximately 1,200 customers in the unincorporated Orange County communities of East Orange and North Tustin, including Cowan Heights, Panorama Heights and Santa Ana Heights, as well as wholesale water service to approximately 100,000 customers via the cities of Orange and Tustin, the Irvine Ranch Water District and Golden State Water Company.

East Orange County Water District has an excellent record of cost controls, customer service and water quality. It is debt-free and uses debt only when needed for projects that have inter-generational benefits. The district also follows a “pay-as-you-go” financing model for all other capital expenditures and its leaders are proud to have no unfunded pension liabilities, no post-employment benefits and no lavish employment perks.

East Orange County Water District has been meeting the state's 36 percent water reduction mandate, “thanks to an extensive community outreach and education campaign by the district and the cooperation and commitment of our customers to strict water conservation at their homes,” said General Manager Lisa Ohlund. “We believe that we will achieve our goal of complying with the state mandate. We truly appreciate our customers and all that they have done – and continue to do – to conserve our precious water resources.” eocwd.com

PROPOSED NEW STANDARDS

Agency Conservation Standards and ER Adjustments

AGENCY	ORIGINAL STANDARD	SUSTAINABLE SUPPLY CREDIT	REVISED STANDARD
ANAHEIM	20%	7%	13%
BREA	24%	--	24%*
BUENA PARK	20%	7%	13%
EL TORO WD	24%	--	24%
EOCWD	36%	7%	29%
FOUNTAIN VALLEY	20%	7%	13%
FULLERTON	28%	7%	21%
GARDEN GROVE	20%	7%	13%
GOLDEN STATE – COWAN HEIGHTS	36%	7%	29%
GOLDEN STATE – PLACENTIA	24%	7%	17%
GOLDEN STATE – WEST ORANGE	16%	7%	9%
HUNTINGTON BEACH	20%	7%	23%

AGENCY	ORIGINAL STANDARD	SUSTAINABLE SUPPLY CREDIT	REVISED STANDARD
IRVINE RANCH WD	16%	7%	9%*
LA HABRA	28%	--	28%
LA PALMA	20%	7%	13%
LAGUNA BEACH CWD	24%	--	24%
MESA WATER	20%	10%	12%**
MOULTON NIGUEL WD	20%	--	20%
NEWPORT BEACH	28%	7%	21%
ORANGE	28%	7%	21%
SAN CLEMENTE	24%	--	24%
SAN JUAN CAPISTRANO	28%	--	28%
SANTA ANA	12%	7%	8%***
SANTA MARGARITA WD	24%	--	24%*
SEAL BEACH	8%	7%	8%***
SERRANO	36%	7%	29%
SOUTH COAST WD	24%	--	24%
TRABUCO CANYON WD	28%	--	28%
TUSTIN	28%	7%	21%
WESTMINSTER	20%	7%	13%
YORBA LINDA WD	36%	6%	30%

* AGENCIES MAY BE ELIGIBLE FOR EITHER A GROWTH OR CLIMATE ADJUSTMENT
** CONSTRAINED BY CAP OF 8% *** CONSTRAINED BY FLOOR OF 8%

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ACTION ITEM
February 17, 2016

TO: Board of Directors

FROM: **Administration and Finance Committee**
(Directors Thomas, Finnegan and Osborne)

Robert Hunter, General Manager

Staff Contact: Jonathan Volzke

SUBJECT: 2015-16 Consumer Confidence Reports

STAFF RECOMMENDATION

Staff recommends the Board of Directors approve the contracting with Stetson Engineering at a cost not to exceed \$35,000 for preparation of the Consumer Confidence Reports for 2016.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

Stetson Engineering has compiled the technical data used in the Consumer Confidence Reports (CCR) for MWDOC member agencies for several years. The most recent contract with Stetson expired in July, 2015.

Stetson has agreed to perform this year's work with no price increase over the previous contract and can perform the work within the legally required timeframe.

In addition to member agencies, Fullerton has worked with Stetson through MWDOC in the past. The City of Santa Ana this year has indicated it will also do so. Those cities pay \$1,600 for the services based on their estimated pro-ratio of the costs.

A request for proposals for the data collection/preparation for the CCRS will be issued for the next report cycle.

Budgeted (Y/N): Yes	Budgeted amount: \$35,000	Core X	Choice _
Action item amount: \$35,000	Line item: 02-32-2040		
Fiscal Impact (explain if unbudgeted): Within projected budget			



DISCUSSION ITEM

February 10, 2016

TO: Administration & Finance Committee
(Directors Thomas, Osborne, Finnegan)

FROM: Robert Hunter, General Manager

Staff Contact: Hilary Chumpitazi

SUBJECT: MWDOC's Rate Study Update

STAFF RECOMMENDATION

Staff recommends the Board of Directors review and discuss the results of our rate study survey and study progress and direct staff.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

As part of that effort, the rate study team has now had two meetings with the staff of member agencies to discuss possible rate structures, perceptions of equity and individual preferences.

Raftelis put together a survey of six potential rate structures and how each rate structure performs/scores in light of guiding principles. Each member agency was emailed the link to take the survey and the results were given in a special member agency manager's meeting on Thursday, February 4th. Raftelis will present those same results to the Board of Directors. Select MWDOC employees as well as Raftelis also took the survey to show a comparison.

Budgeted (Y/N):	Budgeted amount:	Core __	Choice __
Action item amount:	Line item:		
Fiscal Impact (explain if unbudgeted):			



INFORMATION ITEM

February 10, 2016

TO: **Administration & Finance Committee**
(Directors Thomas, Osborne, Finnegan)

FROM: **Robert Hunter, General Manager**

Staff Contact: Hilary Chumpitazi

SUBJECT: **Rebate Program - 1099 Update**

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee receive and file the information.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

Since the decision was made this year to file 1099's on all applicants who received a rebate of \$600 or more in 2015, staff has sent three separate emails to all applicants requesting them to complete a W-9 form and return to MWDOC either via email, fax or mail. Applicants who didn't have an email address were mailed a letter and W-9 form. As of January 29th we had received a return rate of 52% out of 2,850 applicants. All rebate recipients have received the number of notices required by the IRS.

Staff purchased 1099 software to upload, print and mail the 1099's. They were done in two cycles; those with taxpayer EIN's and then those that didn't provide us with a W-9. The latter included a letter and a W-9 form asking them to complete and return.

We have not filed with IRS yet as we have until March 31, 2016 to file electronically. If we receive a tax exemption, then we will not file with the IRS and we will send another email out to all applicants letting them know we will not submit information to IRS. If we do not receive the exemption then we will continue to collect W-9 forms up until the last day and then file a 1099 for those individuals that provided us with their tax payer EIN. As of February 4th we are at a W-9 return rate of 59%.

Budgeted (Y/N):	Budgeted amount:	Core __	Choice __
Action item amount:		Line item:	
Fiscal Impact (explain if unbudgeted):			

Municipal Water District of Orange County
Legal and Professional Services Open Purchase Orders
as of December 31, 2015

Department	Consultant	Purpose	Approval Method	PO #	Date Opened	PO Amount including prior year increases	PO Increase/Decrease	Expensed This Fiscal Year	Total Expensed	Remaining Amount	% Complete
Legal Expenses											
Administration	Aleshire & Wynder LLP	Legal council services	Budget Approval / R. Hunter	12/7/15	7/1/15	15,000.00	10,000.00	22,557.32	22,557.32	2,442.68	90%
	Best Best & Krieger	Legal council services	Budget Approval		9/2/15	305,000.00		67,580.84	67,580.84	237,419.16	22%
	Best Best & Krieger	Legal council services-Personnel Issues	Budget Approval		9/2/15	20,000.00		2,094.50	2,094.50	17,905.50	10%
	Best Best & Krieger	Legal council services-AMP	Budget Approval		9/2/15	15,000.00		3,851.01	3,851.01	11,148.99	26%
Audit Expenses											
Engineering Expenses											
Met Issues & Special Projects	Means Consulting, LLC	Consulting on MET Issues	Budget Approval		7/1/15	54,000.00		4,437.50	4,437.50	49,562.50	8%
	Ken Weinberg	Services for CEO/NEPA comment letter			7/30/15	14,440.00		12,825.00	12,825.00	1,615.00	89%
	CDM Smith	OC Water Reliability Investigation	Board Approval 10/15/14, 8/19/15, 11/18/15		2/18/15	221,240.00	72,555.00	113,370.50	252,760.29	41,434.71	86%
	Arcadis	Urban Water Management Plan	Board Approval 7/15/15		9/23/15	898,266.00		120,244.63	120,244.63	778,021.37	13%
Professional Expenses	Public Financial Management, Inc.	Poseidon Workgroup consulting	R. Hunter Approval 12/23/15		1/13/16	15,000.00			-	15,000.00	0%
Professional Expenses											
Administration	Dissinger Associates	Pension Plan administration	Budget Approval		7/21/15	4,000.00		150.00	150.00	3,850.00	4%
	Raffellis Financial Consultants	Budget Based Tiered Rates grant assistance	Board Approval 5/19/10		10/11/10	36,350.00		-	12,481.15	23,868.85	34%
	WageWorks	Cafeteria Plan administrative fee	Budget Approval		7/20/15	1,800.00			-	1,800.00	0%
Governmental Affairs	Lewis Consulting Group, LLC	Strategic Issues consulting	Budget Approval		7/1/15	48,000.00		24,250.00	24,250.00	23,750.00	51%
	Richard Ackerman	Legal Consulting on water policy issues	Budget Approval		7/1/15	36,000.00		10,450.00	10,450.00	25,550.00	29%
Conservation	AquaFicient Consulting	Customized irrigation reports for IRWD	R. Hunter Approval 9/11/15		9/24/15	21,600.00		8,700.00	8,700.00	12,900.00	40%
	Mission Resource Conservation District	Field verification for Smart Timer and Rotating Nozzle rebate programs	Board Approval 9/19/12 & 4/17/13		10/31/12	378,000.00	231,708.43	40,141.72	550,552.02	59,156.41	90%
	Mission Resource Conservation District	Field verification for Landscape Device Installation inspections	Board Approval 10/6/14		12/9/14	309,000.00	(7,924.54)	26,912.42	70,639.05	230,436.41	23%
	Mission Resource Conservation District	Turf Removal and Spray to Drip Inspections	Pass-through funding from member agencies		9/2/15	222,812.64	96,245.96	124,140.68	124,140.68	194,917.92	39%
Desalination Programs	EcoLandscape California	Irrigation Schedule Calculator and Instructional Videos	Board Approval 7/15/15		10/22/15	64,000.00		63,963.59	63,963.59	36.41	100%
	SDG&E	Electrical service for Doheny Ocean Desal project	K. Seckel Approval		8/1/15	2,700.00		1,503.79	1,503.79	1,196.21	56%
	Chambers Group Inc.	Baseline environmental monitoring for Doheny Ocean Desal project	Board Approval 1/21/15		4/8/15	153,346.00		66,989.47	98,406.20	54,939.80	64%
Public Affairs	Discovery Science Center	School program	Board Approval 5/4/15 / Budget Approval		11/12/15	220,000.00		82,249.10	82,249.10	137,750.90	37%
	Immersiv Media, Inc.	Website support & maintenance	Budget Approval		9/17/15	2,100.00		1,050.00	1,050.00	1,050.00	50%
	Fraser Communications	Value of Water Communications plan	Board Approval 11/19/14 & 9/16/15		3/12/15	159,775.00	61,020.00	58,544.06	209,983.78	10,811.22	95%
	Orange County Dept. of Education	High School Education program	Board Approval 7/15/15		11/23/15	80,000.00		-	-	80,000.00	0%
Finance / IT	Orange County Register	Value of Water page	Budget Approval		1/13/16	114,000.00				114,000.00	0%
	Union Bank	Custodial bank fees	Budget Approval		9/22/15	2,500.00		1,250.00	1,250.00	1,250.00	50%
	Public Financial Management, Inc.	Rate Study consulting	R. Hunter Approval 12/23/15		1/13/16	10,000.00		2,900.00	2,900.00	10,000.00	0%
	Raffellis Financial Management, Inc.	Rate Study	Board Approval 12/18/15		1/26/16	64,900.00				62,000.00	4%
Totals						3,488,829.64	464,004.85	860,156.13	1,749,020.45	2,203,814.04	44%



INFORMATION ITEM

February 10, 2016

TO: Board of Directors

FROM: **Administration & Finance Committee**
(Directors Thomas, Osborne, Finnegan)

Robert J. Hunter, General Manager

Staff Contact: Karl Seckel

SUBJECT: FY 2015-16 BUDGET YEAR END PROJECTIONS AND CONCEPTUAL FY 2016-17 BUDGET REVIEW

STAFF RECOMMENDATION

It is recommended that the Board of Directors: Receive and file the information.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

Projected Year-End Estimates for 2015-16

Staff has begun preparation of the 2016-17 Budget and as part of that process, projections are being prepared for the remainder of the current fiscal year to develop estimated fiscal year 2015-16 Year End Projections. Preliminary variances for 2015-16 include:

1. Salaries and benefits are projected to be \$400,000 under budget because of staffing transitions (as staff have left, the positions have not been filled immediately) including the retirement of one position that will only be filled for a portion of the remaining fiscal year. Current open positions include the Public Affairs Director, Principal Engineer and a Water Use Efficiency position vacated by a staff member moving into the MET/Planning/Resources group.
2. The Director Compensation line item is about \$40,000 under budget due to fewer meetings being submitted for the per diem compensation.

Budgeted (Y/N): NA	Budgeted amount: NA	Core __	Choice __
Action item amount: NA	Line item:		
Fiscal Impact (explain if unbudgeted):			

3. The OPEB line item is over budget (additional contributions were made) by about \$76,000 due to underspent funds being requested by the Board to be contributed towards meeting the obligation.
4. The Engineering line item shows as being \$131,000 over budget, but those overages were covered by designated carryover funds from the prior year. Completed items this year included the Urban Water Management Plan and the OC Water Reliability Study.
5. The Legal Expenses are about \$50,000 under budget, although staff is still in the process of analyzing the expected expenses for the remainder of the year.
6. WEROC completed the Radio System Assessment this year due to concerns about the adequacy of the radio system. Also, training of the MWDOC staff under the WEROC umbrella improved the performance during test exercises this past year.
7. Professional fees are about \$240,000 under budget due to a number of activities that are still in progress, but will carry-over into the next fiscal year or due to budgeted activities that have been postponed until next year including the Deferred Compensation and Pension Plan review and the website update.

Overall, the projected year-end expenditures are expected to be about \$600,000 under budget.

Development of 2016-17 Budget Estimates

Looking forward to the Proposed Budget for 2016-17, staff has begun assessing a number of issues, including:

- Spin-off work from the OC Water Reliability Study – it is too early to predict the exact nature of the spin-off efforts, however, staff will seek to provide sufficient budget to accommodate whatever work efforts may arise. This could include:
 - Support for additional recycling, Indirect Potable Reuse and Direct Potable Reuse planning
 - Improvements to respond to emergency types of outages
 - Work with MET and DWR on emergency Colorado River and State Water Project outages
 - Examination of the need for additional emergency storage within MET and how groundwater basins might be managed to provide such storage
 - On-going work with OCWD on basin issues
 - Examination of how groundwater basins in Southern California might be managed to provide additional dry-year yield
 - Consideration of ocean desalination integration (EOCF#2)
 - Examination of additional investments in WUE to reduce demands
 - Sharing of supplies and resources within the County
 - Communication Outreach
 - A conjunctive use program between OCWD and South Orange County
- Preparing for the MET Policy issues related to the update of its Integrated Resources Plan. Work from the OC Water Reliability Study will position us well to

provide input into the process. Additional work may be required to demonstrate the need for MET to conduct work in specific areas.

- Examination of cyclic storage replenishment options for OCWD and review of how the MET Water Supply Allocation Plan addresses water for groundwater replenishment
- Work at MET on the potential for a treated peaking charge
- Tracking Progress on the California WaterFix and whether any deeper involvement from MWDOC and OC is warranted
- Provide input to MET on development of its Carson IPR Project
- Continuation of input to the SWRCB and support to member agencies on the Water Conservation Emergency Regulations
- Engage with the SWRCB and water agencies throughout the state to develop reasonable water use efficiency regulations beyond the drought
- Continue implementation of all water use efficiency programs with funding support from Metropolitan and grants from state and federal sources
- Expand the development of the OC Water Loss Control Workgroup with member agencies and seek funding and technical support from DWR, AWWA and Southern California Edison
- Continuation of a choice Communications Program
- Review of staffing levels and succession planning issues including developing and using the existing work space in a more efficient manner.
- Building Maintenance/Improvement costs.
 - Completion of renovation of Joint Boardroom, including conference room C-3 and the Lobby/Entrance area
 - Renovation of restrooms outside of the Joint Boardroom
 - Renovation of transition area from Lobby to MWDOC offices
 - Renovation of both sets of MWDOC Bathrooms
 - Replacement of Boiler, Chiller and Energy Management System
 - Plan for the future renovation of office roof
 - Space planning and renovations for more efficient use of existing office work space and renovate areas that require updating
 - Upgraded fire alarm System throughout OCWD and MWDOC facilities
 - Upgrade current security access to OCWD facilities and MWDOC building
- Utilize professional services to evaluate the current records management system to improve processes and reduce paper.
- WEROC will be evaluating the function and locations of its EOC's as well as respond to EOC issues identified in the ACWA JPIA inspection regarding electrical outlets/extension cords and upgraded furniture.

Staff will continue working on preparation of the budget towards publication of the first DRAFT by March 1 for distribution to the Board and member agencies.

**Municipal Water District of Orange County
Director's Activity Report
Reporting Period from 07/01/15 to 12/31/15**

Activity Description	MWDOC Directors						Tamaribuchi	Subtotal	MET Director's				Director's	
	Thomas	Barbre	Dick	Finnegan	Hinman	Osborne			Barbre	Ackerman	McKenney	Dick	Subtotal	Total
<u>Per Diem</u> ⁽¹⁾														
MWDOC Committee & Board mtg	9,212	9,857	9,824	5,874	9,506	8,730	7,163	60,166	-	1,098	2,707	526	4,331	64,497
MET Committee & Board mtg	2,335	1,028	1,066	-	-	-	-	4,429	4,993	4,351	5,652	4,731	19,727	24,156
Meetings with Member Agencies	1,927	5,271	1,755	265	1,541	-	822	11,581					-	11,581
Other Misc meetings & activities	8,947	6,783	7,971	2,139	2,614	4,730	7,087	40,271	10,776	9,355	7,770	7,097	34,998	75,269
Benefit Reimbursement by Director				(651)	(641)			(1,292)					-	(1,292)
Subtotal-Per Diem	22,421	22,939	20,616	7,627	13,020	13,460	15,072	115,156	15,769	14,804	16,129	12,354	59,056	174,212
<u>Travel & Conferences</u> ⁽²⁾														
ACWA	745	-	-	-	1,338	1,515	1,331	4,929		-	617		617	5,547
CRWUA	-	938	-	-	-	-	-	938		-	-		-	938
Bond Buyers Conf	-	(190)	-	-	-	-	-	(190)		-	-		-	(190)
Washington DC Legislative Trips	-	2,910	-	-	-	-	-	2,910		-	-		-	2,910
ISDOC	-	34	-	17	-	34	-	85		-	-		-	85
Urban Water Institute	1,756	-	-	-	-	924	449	3,128		-	-		-	3,128
So Cal Water Committee	-	-	-	-	-	-	211	211		-	-		-	211
Other Travel Expenses	179	-	-	-	-	-	57	236		-	80		80	316
Mileage	928	1,425	862	238	1,209	255	812	5,729		337	-		337	6,066
Toll Charges	-	-	-	-	220	-	-	220		-	-		-	220
Printer/Computer supplies				97				97					-	97
Telephone/Fax/Cable	228			77	205			510					-	510
Subtotal-Travel & Conferences	3,837	5,116	862	429	2,973	2,728	2,859	18,803	-	337	697	-	1,034	19,837
Total	26,258	28,055	21,478	8,056	15,993	16,188	17,931	133,958	15,769	15,141	16,826	12,354	60,090	194,048

(1) Per Diem for MWDOC Directors includes benefits

(2) Includes convenience registration, travel, lodging, meals, transportation, mileage and other miscellaneous related costs; does not include Per Diem.

2/5/2016

Item 12

Municipal Water District of Orange County
Semi-Annual Comparison for Overtime Hours Worked
for the Six-month periods ending December 2015 and 2014

Employee	7/1/15 - 12/31/15		7/1/14 - 12/31/14	
	Hours Worked	Dollar Equivalent ⁽¹⁾	Hours Worked	Dollar Equivalent ⁽¹⁾
Baca, Tiffany	13.50		0.00	
Davanaugh, Katie	0.00		16.00	
Dinh, Patrick	1.50		0.00	
Dye, Stephanie	1.50		0.00	
Fahl, Beth	22.75		25.25	
Franks, Sarah	0.00		2.25	
Gunawan, Lina	2.00		0.00	
Baum-Haley, Melissa	41.00		7.00	
Loewen, Laura	8.00		0.00	
Parson, Lisa	0.00		1.00	
Ramirez, Sergio	0.00		86.25	
Roberto, Bryce	16.00		0.00	
Snow, Mary	7.00		0.00	
TOTAL	113.25	\$6,135	137.75	\$5,383

(1) Dollar equivalent calculated at 1.5 x hourly rate



INFORMATION ITEM

February 10, 2016

**TO: Administration & Finance Committee
(Directors Thomas, Finnegan, Osborne)**

**FROM: Robert Hunter,
General Manager**

**Staff Contact: Cathy Harris
Administrative Services Manager**

SUBJECT: ANNUAL AUTO ALLOWANCE REPORT

STAFF RECOMMENDATION

Staff recommends the Board of Directors receive and file as presented.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

In accordance with the Auto Allowance Policy, the General Manager shall submit an annual report to the Administration and Finance Committee listing employees receiving a vehicle allowance and any exceptions to the provisions of the policy. The following positions are currently receiving monthly auto allowances in the amount of \$500:

Title
Director of Water Use Efficiency
Director of Public Affairs (Vacant)
Associate General Manager
Governmental Affairs Manager
WEROC Programs Manager
Assistant General Manager

Budgeted (Y/N): Y	Budgeted amount: \$45,000	Core __X	Choice __
Action item amount: NA		Line item: Salaries and Wages	
Fiscal Impact (explain if unbudgeted):			



INFORMATION ITEM

February 10, 2016

TO: Administration & Finance Committee
(Directors Thomas, Finnegan, Osborne)

FROM: Robert Hunter, General Manager

SUBJECT: Annual Review of Coastal Municipal Water District Issues

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee: No changes at this time.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

Below is the excerpt from the Administrative Code relative to outstanding issues involving MWDOC's consolidation with Coastal Municipal Water District. Staff has reviewed the sections and does not recommend any changes at this time (the last substantive change was made to this Section in 2011 and has been reviewed each year since; minor changes were made during the Administrative Review process in 2015).

Budgeted (Y/N): N/A	Budgeted amount:	Core √	Choice __
Action item amount:	Line item:		
Fiscal Impact (explain if unbudgeted):			

**MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
ADMINISTRATIVE CODE**

MWDOC/COASTAL CONSOLIDATION ISSUES	§12000-12002
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§12000 INTRODUCTION

MWDOC and Coastal MWD consolidated effective January 17, 2001. Many factors and issues were evaluated in bringing the two agencies together. MWDOC has documented several of the issues in the event they become important for future consideration. The Administration & Finance Committee shall review these issues on an annual basis until such time as the Administration & Finance Committee determines a review is no longer necessary.

§12001 Standby Charge Levied in MWDOC and Coastal Service Areas

This is an issue has to do with the level of Standby Charge being levied in the MWDOC service area of \$10.09 per acre or per parcel less than an acre and a similar but higher charge of \$11.60 in the Coastal service area. The Standby Charge levied by MET is higher in the Coastal service area because at the time the Standby Charge was established by MET (1993), it was partially based on the dependence on imported water to the member agency service area. Since the Coastal service area had proportionally fewer groundwater resources than the MWDOC service area, the charge was higher. Amounts raised by MET through the Standby Charge are forwarded to each participating MET member agency (including MWDOC and Coastal) as credits against the amount owing under MET's Readiness-to-Serve Charge. The higher charge in the Coastal service area generates about \$120,000 per year more than if the charge was reduced to \$10.09 to match the MWDOC service area standby charge.

During the consolidation transition period (from 1998-2000), MET engaged in continued discussions regarding restructuring of its rates and charges, and the continued levy of a MET Readiness-to-Serve Charge was often in doubt. Consequently, no action was taken by Coastal or MWDOC to request that MET equalize the two charges. The only reason for retaining this item is to be aware of the different levels of the Standby Charge in the event MET ever changes its rate structure.

§12002 MET Capacity Provided in the EOCF#2 for the Coastal Service Area

The East Orange County Feeder Number 2 (EOCF#2) is a 25-mile long treated water transmission main, constructed in 1962 by MET, Anaheim, Santa Ana, MWDOC and Coastal. The purpose of the pipeline was to increase the treated water capacity to southeastern Orange County and to replace capacity to Anaheim, Santa Ana and Coastal that had been used in the Orange County Feeder by the growing MWDOC service area. It should be remembered that upon the formation of the MWDOC service area in 1951 the Anaheim and Santa Ana city service areas from MET had been frozen and the growing portions of these cities beyond the boundaries as they existed in 1951 was included as

part of the MWDOC service area. That has since been changed.

Coastal MWD purchased 10.0 cfs of capacity in the EOCF#2 as it was constructed. This capacity has since been assigned to the retail agencies within Coastal (July 2000). In addition, MET provided 84 cfs of oversizing capacity in the facility to meet the additional needs of Coastal and the original city areas of Anaheim, Fullerton and Santa Ana. MET's 84 cfs of capacity provided was designated to the following areas:

Agency	cfs
Anaheim	6
Santa Ana	15
Coastal	63
Met Total	84

In MET Resolution 6635, adopted January 12, 1965, it was noted that:

"the capacities allocated to MET in the several reaches of the East Orange County Feeder No. 2 shall be used for delivery of water to said older member cities to meet their requirements for services to areas which were within their boundaries on November 26, 1951, the date of the annexation of Orange County Municipal Water District to MET and to the Coastal Municipal Water District as it was constituted on January 1, 1955, until such time as like delivery of water can be made to them in whole or in part through other facilities, provided, that until such conveyance capacity is needed for delivery to such older members for such purpose and always subject to the policy declared herein as to such older members, it may be used by MET for the sale and delivery of water in accordance with the provisions of the Metropolitan Water District Act. . . . "

The exact meaning of this section in today's context given that MET has provided capacity in the Allen McColloch Pipeline and South County Pipeline facilities to serve both MWDOC and Coastal, has not been fully analyzed or debated with MET. Rather, the purpose of this section is to raise the issue and provide that the consolidation of MWDOC and Coastal shall not in any manner erode or diminish any rights that the retail agencies within the Coastal service area may have or be able to assert with respect to any or all of the 63 cfs of capacity in the EOCF#2 provided by MET.

M-5/2005; M-2/16/11; M-6/17/15



INFORMATION ITEM

February 10, 2016

TO: **Administration & Finance Committee**
(Directors Thomas, Osborne, Finnegan)

FROM: Robert Hunter, General Manager

Staff Contact: Harvey De La Torre

SUBJECT: Monthly Water Usage Data, Tier 2 Projection, and Water Supply Info.

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee receive and file this information.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

The attached figures show the recent trend of water consumption in Orange County (OC), an estimate of Tier 2 volume for MWDOC, and selected water supply information.

- Fig. 1 OC Water Usage, Monthly by Supply OCWD Groundwater water was the main supply in November.
- Fig. 2 OC Water Usage, Monthly, Comparison to Previous Years Water usage in December 2015 was about average compared to the last 5 years. Lower usage is primarily due to strong conservation efforts and mandatory restrictions set by the governor. Rainfall for December 2015 was well below the historical average.
- Fig. 3 Historical OC Water Consumption OC water consumption was 571,000 AF in FY 2014-15. This is about 50,000 AF less than FY 2013-14 but is about 16,000 AF higher than FY 2010-11 (Fiscal year with lowest usage). Water usage per person was the lowest it has been for Orange County at 164 gallons per day. Although OC population has increased 20% over the past two decades, water usage has not increased, on average. A long-term decrease in per-capita water usage is attributed mostly to Water Use Efficiency (water

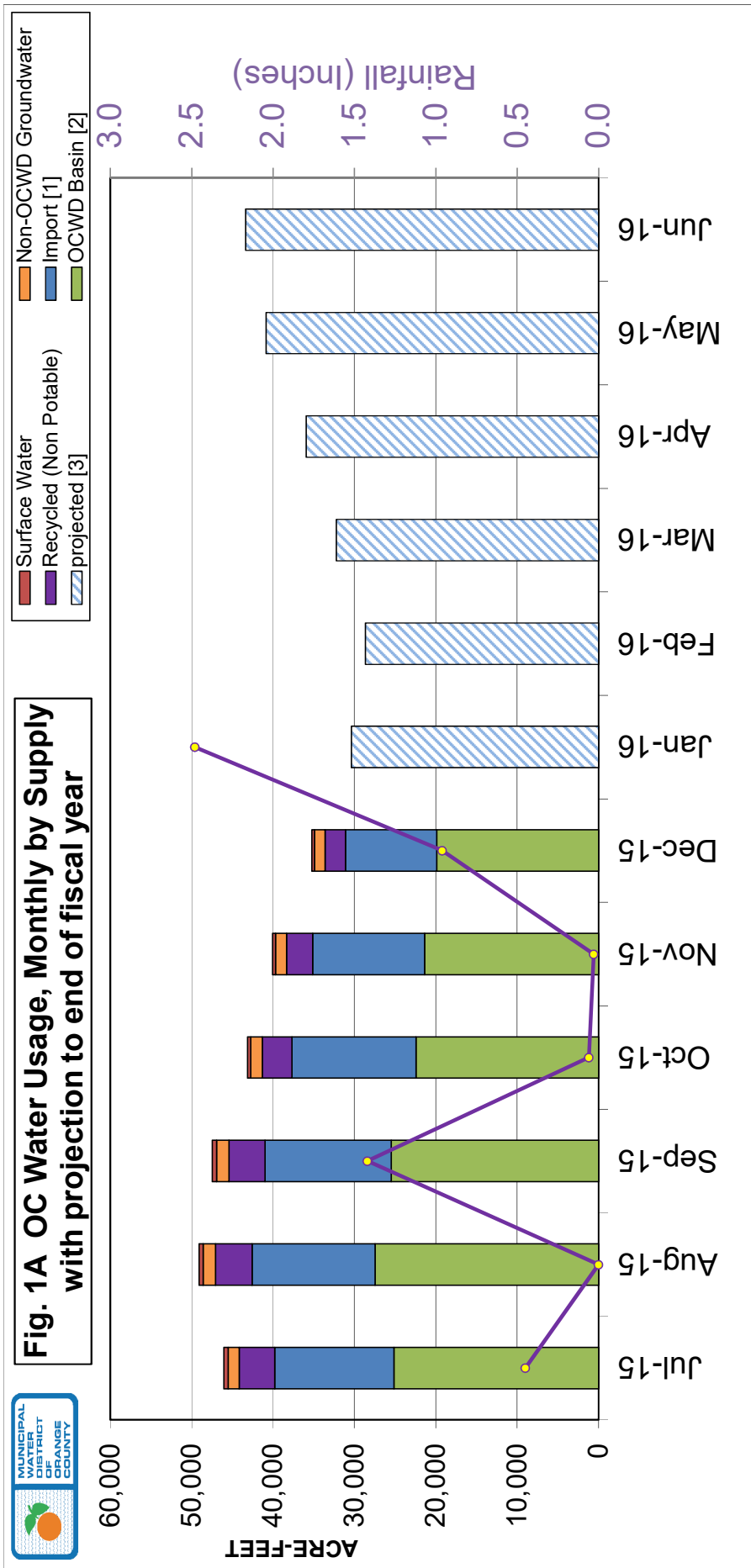
Budgeted (Y/N): N	Budgeted amount: N/A	Core <u>X</u>	Choice <u> </u>
Action item amount: N/A		Line item:	
Fiscal Impact (explain if unbudgeted):			

conservation) efforts. High Temperature, precipitation and the economy all remain indicators to O.C. water consumption.

Fig. 4 MWDOC “Firm” Water Purchases, 2015 “Firm” water above the Tier 1 limit will be charged at the higher Tier 2 rate. Our current projection of Tier 2 purchases is zero in 2016.

Water Supply Information Includes data on: Rainfall in OC; the OCWD Basin overdraft; Northern California and Colorado River Basin hydrologic data; the State Water Project (SWP) Allocation, and regional storage volumes. The data has implications for the magnitude of supplies from the three watersheds that are the principal sources of water for OC. Note that a hydrologic year is Oct. 1st through Sept. 30th.

- Orange County’s accumulated rainfall through January was below average for this period. This continues the impact of the previous three hydrologic years’ below-normal rainfall in reducing those local supplies that are derived from local runoff. El Nino conditions are present and 2015-16 winter/spring is still expected to see large amounts of precipitation.
- Northern California accumulated precipitation in January was around 121% of normal for this period. The Northern California snowpack is 120% of normal. This follows three below-average hydrologic years. The State of California has been in a declared Drought Emergency since January 2014. The State Water Project Contractors Table A Allocation is only 15% as of the end of January.
- Colorado River Basin accumulated precipitation in January was 102% average for this period. The Upper Colorado Basin snowpack was 105% of average as of April 15th. However, this follows two below-average hydrologic years, and this watershed is in a long-term drought. Lake Mead and Lake Powell combined have about 61% of their average storage volume for this time of year. If Lake Mead’s level falls below a “trigger” limit at the end of a calendar year, then a shortage will be declared by the US Bureau of Reclamation (USBR), impacting Colorado River water deliveries for the Lower Basin states. As of Late July Lake Mead Levels were hovering around the “trigger” limit but fortunately levels are expecting to increase from the large amounts of precipitation that hit the Colorado River Basin this summer and spring. The USBR predicts that the “trigger” level will not be hit by the end of 2016.



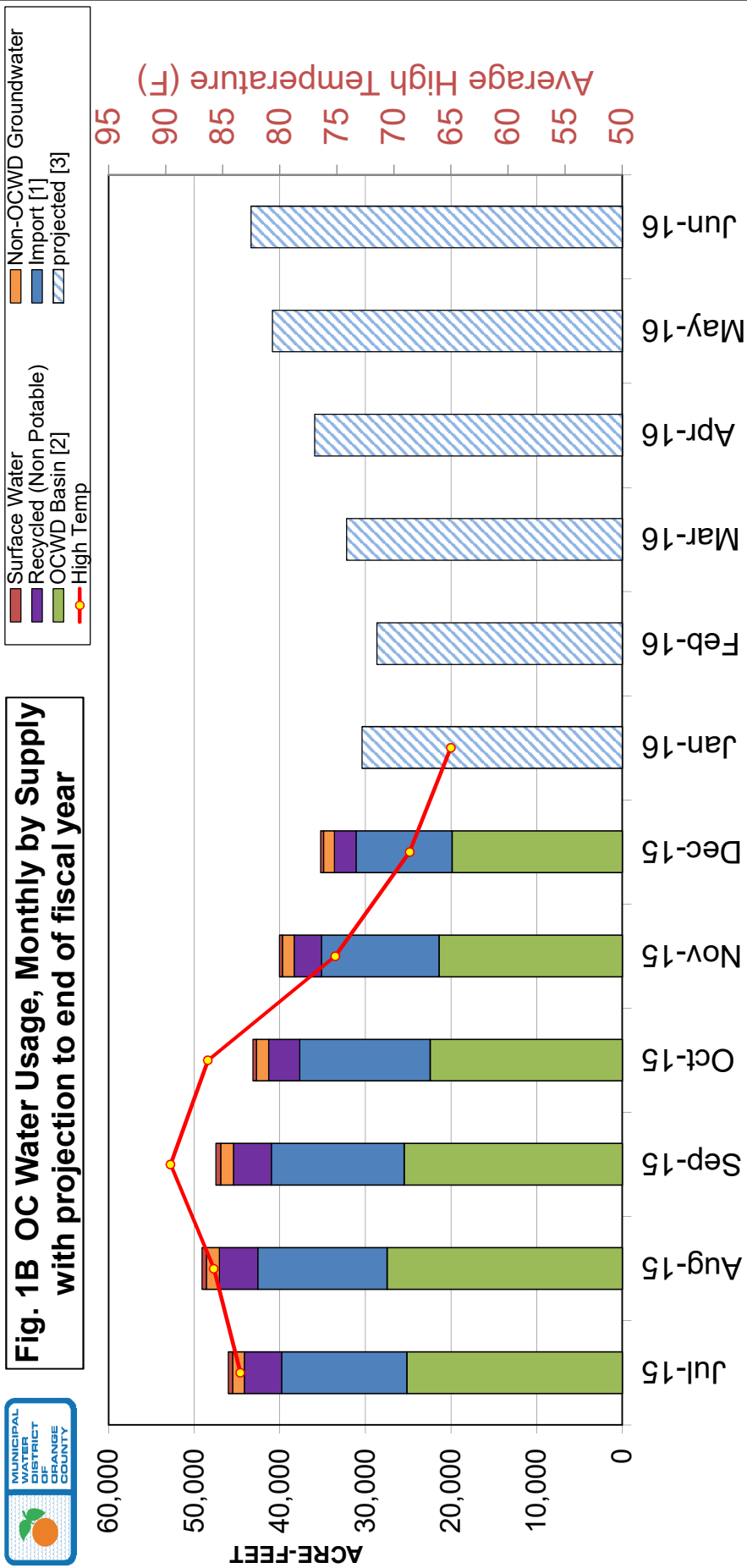
[1] Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water, "Barrier Replenishment" deliveries, and deliveries into Irvine Lake.

[2] GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted with Import. BPP in FY '14-15 is 72%.

[3] MWDOC's estimate of monthly demand is based on the projected FY 15-16 "Retail" water demand and historical monthly demand patterns.



**Fig. 1B OC Water Usage, Monthly by Supply
with projection to end of fiscal year**

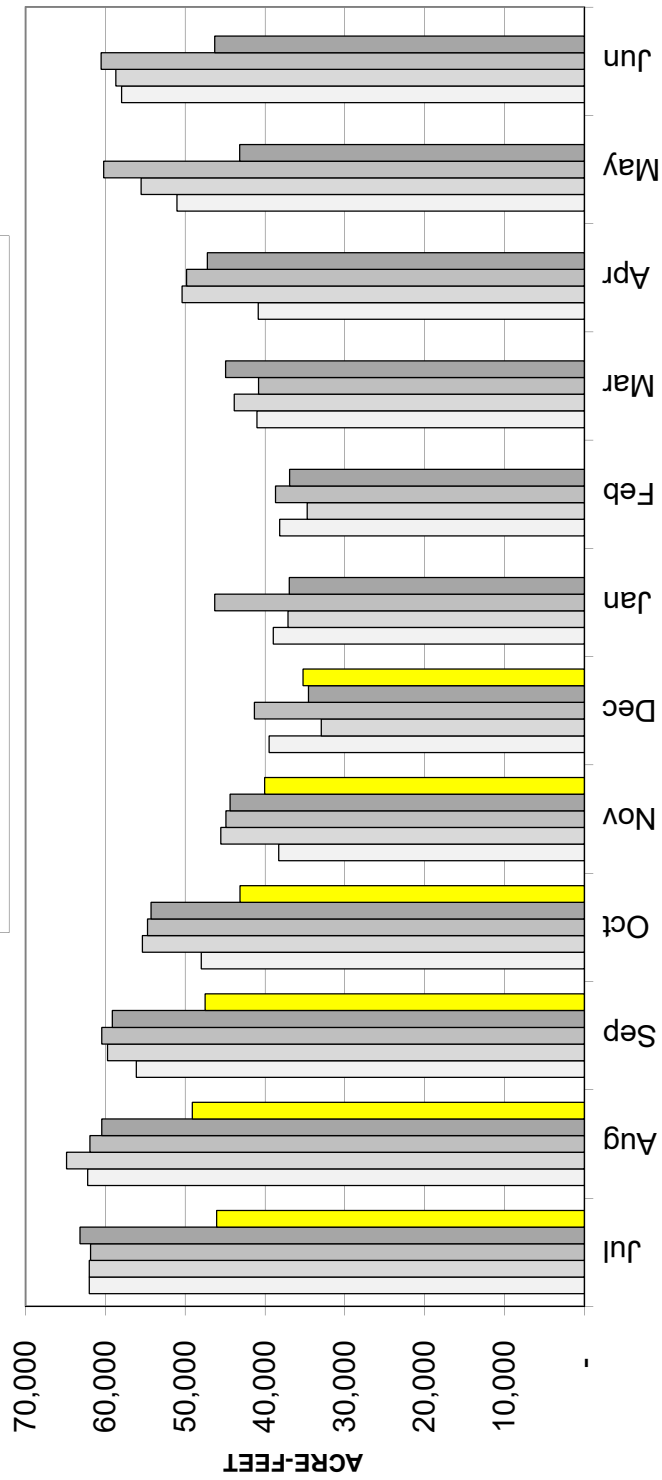


[1] Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water, "Barrier Replenishment" deliveries, and deliveries into Irvine Lake.
 [2] GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted with Import. BPP in FY '14-15 is 72%.
 [3] MWDOC's estimate of monthly demand is based on the projected FY 15-16 "Retail" water demand and historical monthly demand patterns.

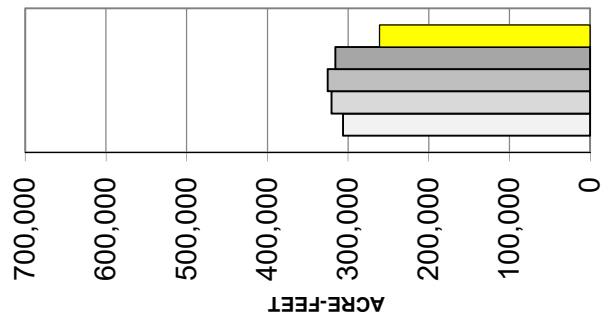


Fig. 2A OC Monthly Water Usage [1]: Comparison to Last 4 Fiscal Years

□ FY 11-12 □ FY 12-13 □ FY 13-14 □ FY 14-15 □ FY 15-16



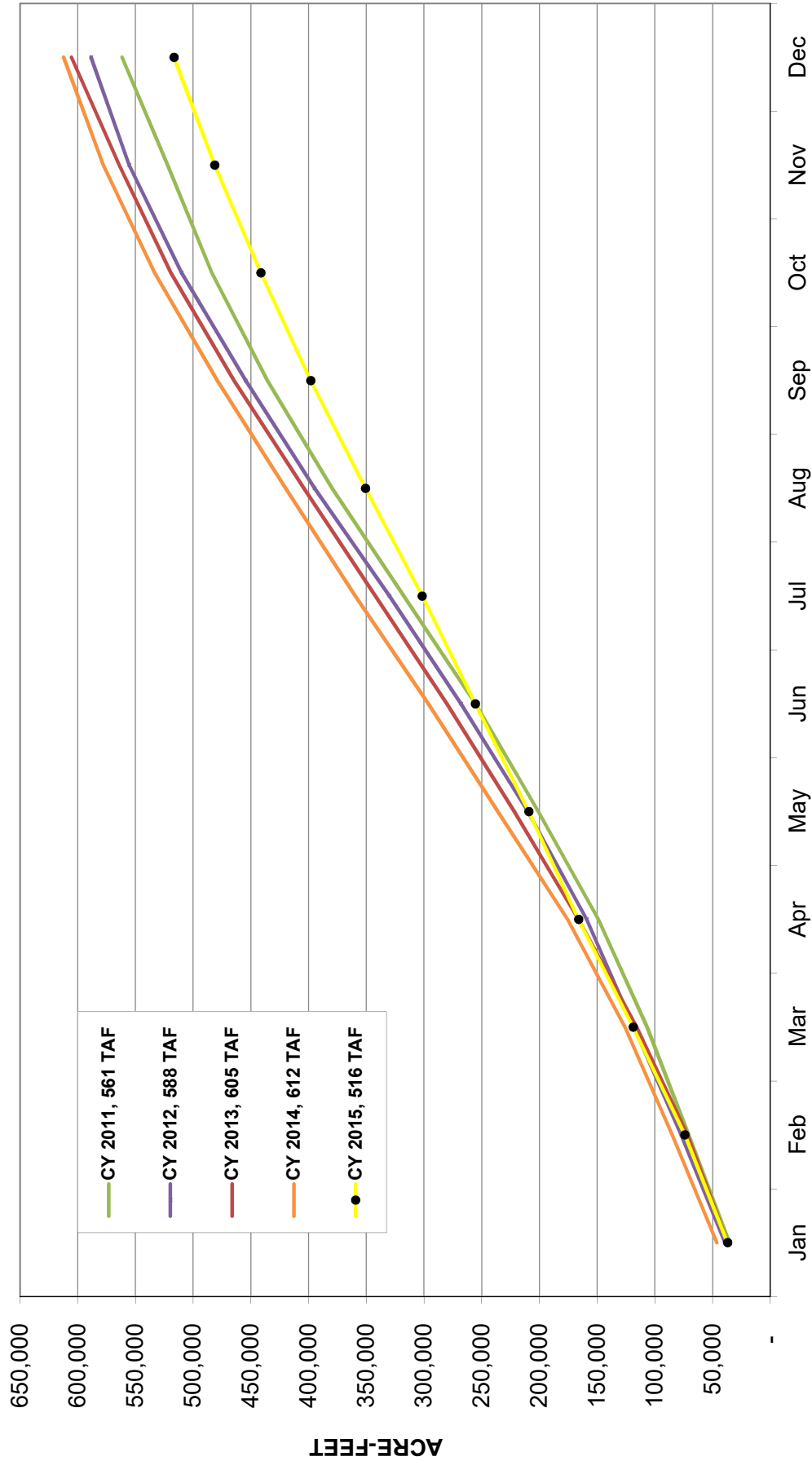
Partial Year Subtotals



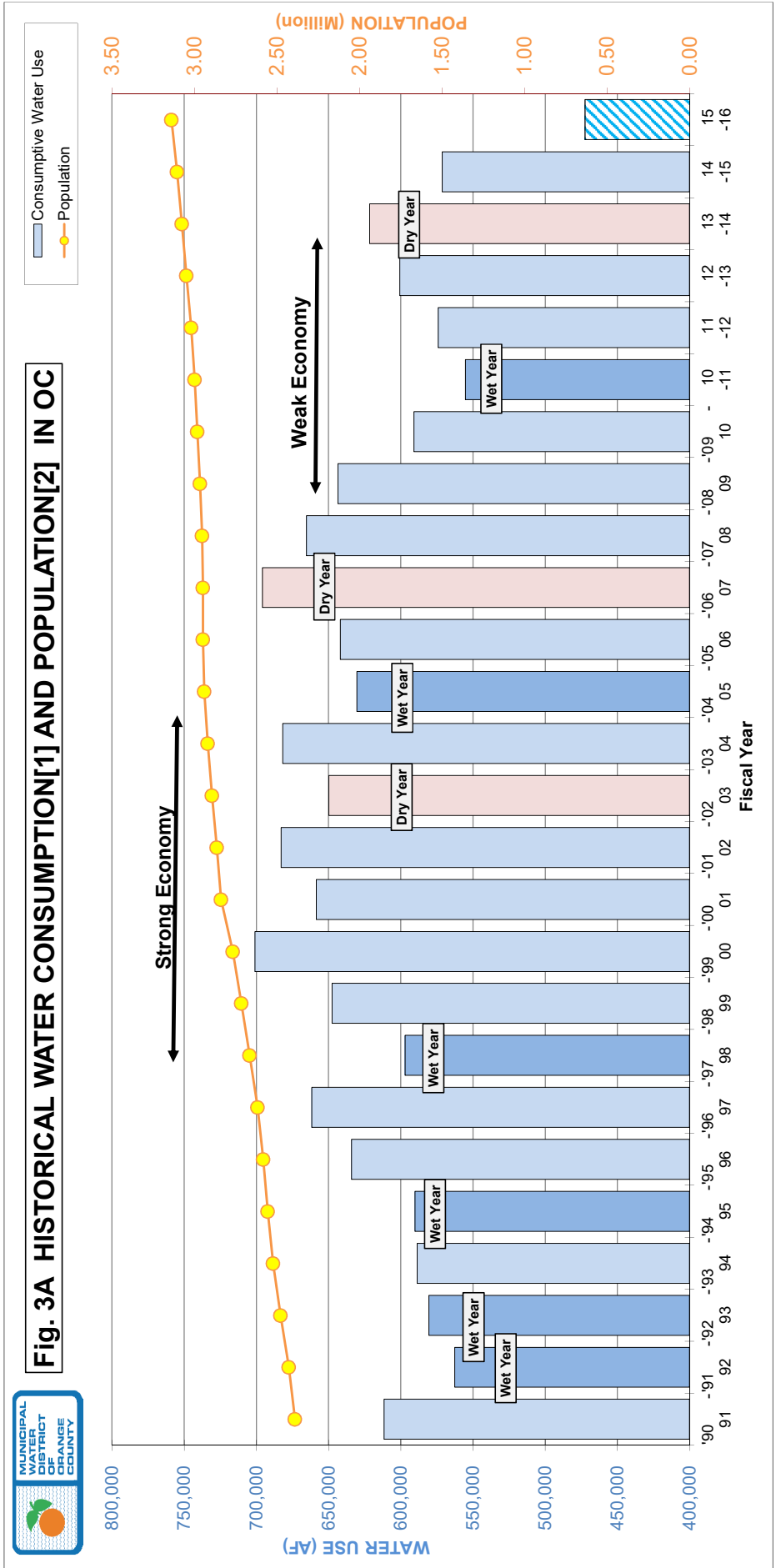
[1] Sum of Imported water for consumptive use (includes "In-Lieu" deliveries; excludes "Direct Replenishment" and "Barrier Replenishment") and Local water for consumptive use (includes recycled and non-potable water; excludes GWRS production, groundwater pumped to waste, and waste brine from water treatment projects.) Recent months numbers include some estimation.



Fig. 2B Orange County Cumulative Monthly Consumptive Water Usage [1]:
present year compared to last 4 calendar years



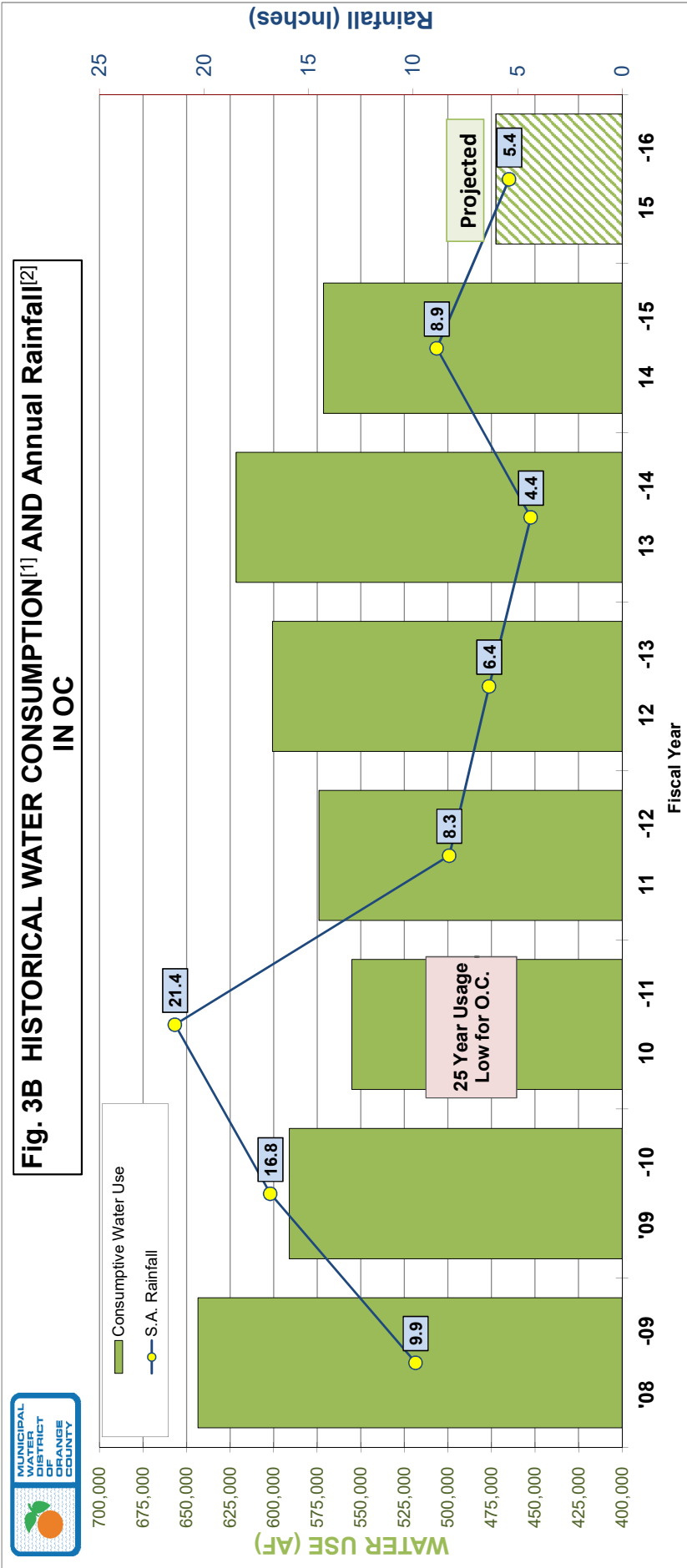
[1] Sum of Imported water for consumptive use (includes "In-Lieu" deliveries; excludes "Direct Replenishment" and "Barrier Replenishment") and Local water for consumptive use (includes recycled and non-potable water; excludes GWRS production and waste brine from water quality pumping projects).



[1] Consumption includes potable, recycled and non-potable usage; excludes Barrier and Spreading water. The most recent data involve some estimation.

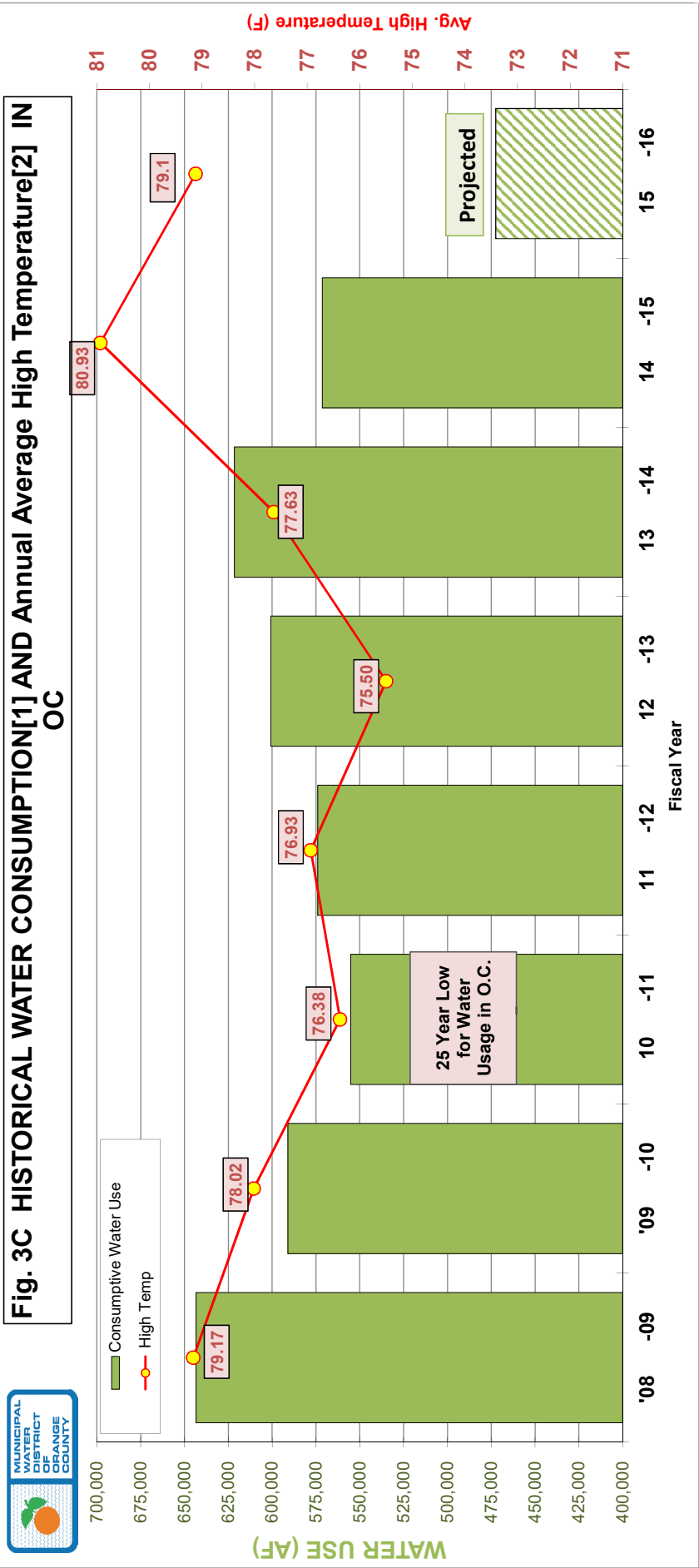
[2] Population estimates in the 2000s decade were revised by the State Dept. of Finance to reflect the 2010 Census counts.

[3] Projection of FY 15-16 water use estimated by MWDOC based on partial-year data.

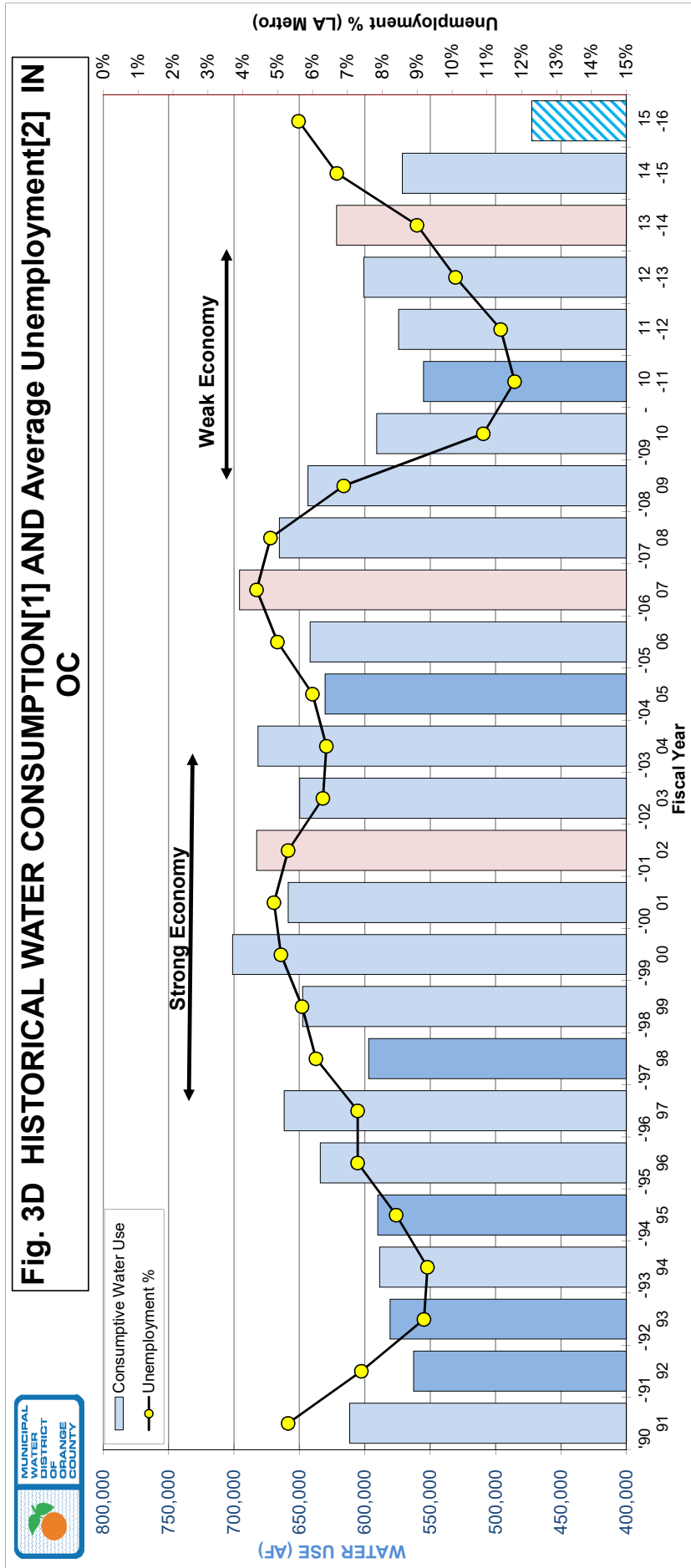


[1] Consumption includes potable, recycled and non-potable usage; excludes Barrier and Spreading water. The most recent data involve some estimation.

[2] Rainfall data from Santa Ana Station #121



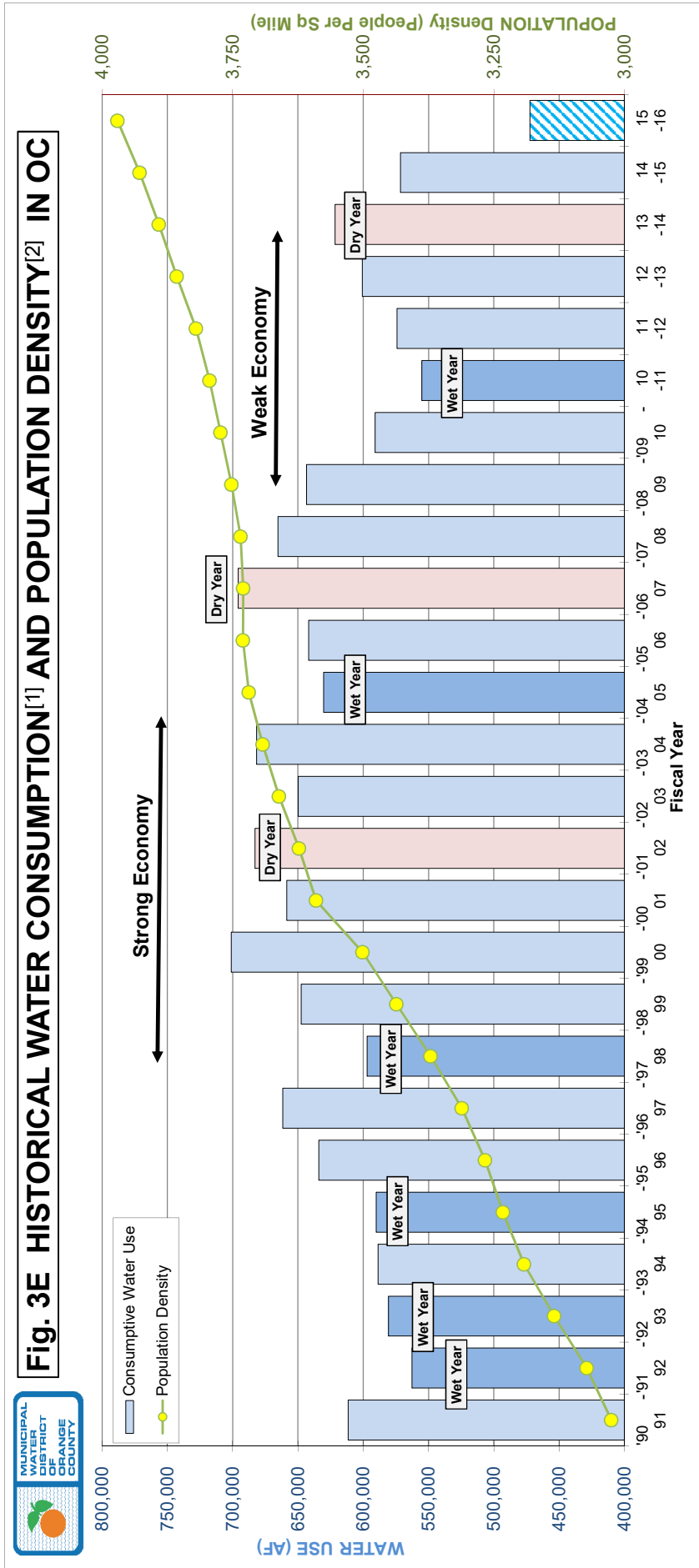
[1] Consumption includes potable, recycled and non-potable usage; excludes Barrier and Spreading water. The most recent data involve some estimation.
 [2] Temperature data is from Santa Ana Fire Station, elevation 135'



[1] Consumption includes potable, recycled and non-potable usage; excludes Barrier and Spreading water. The most recent data involve some estimation.

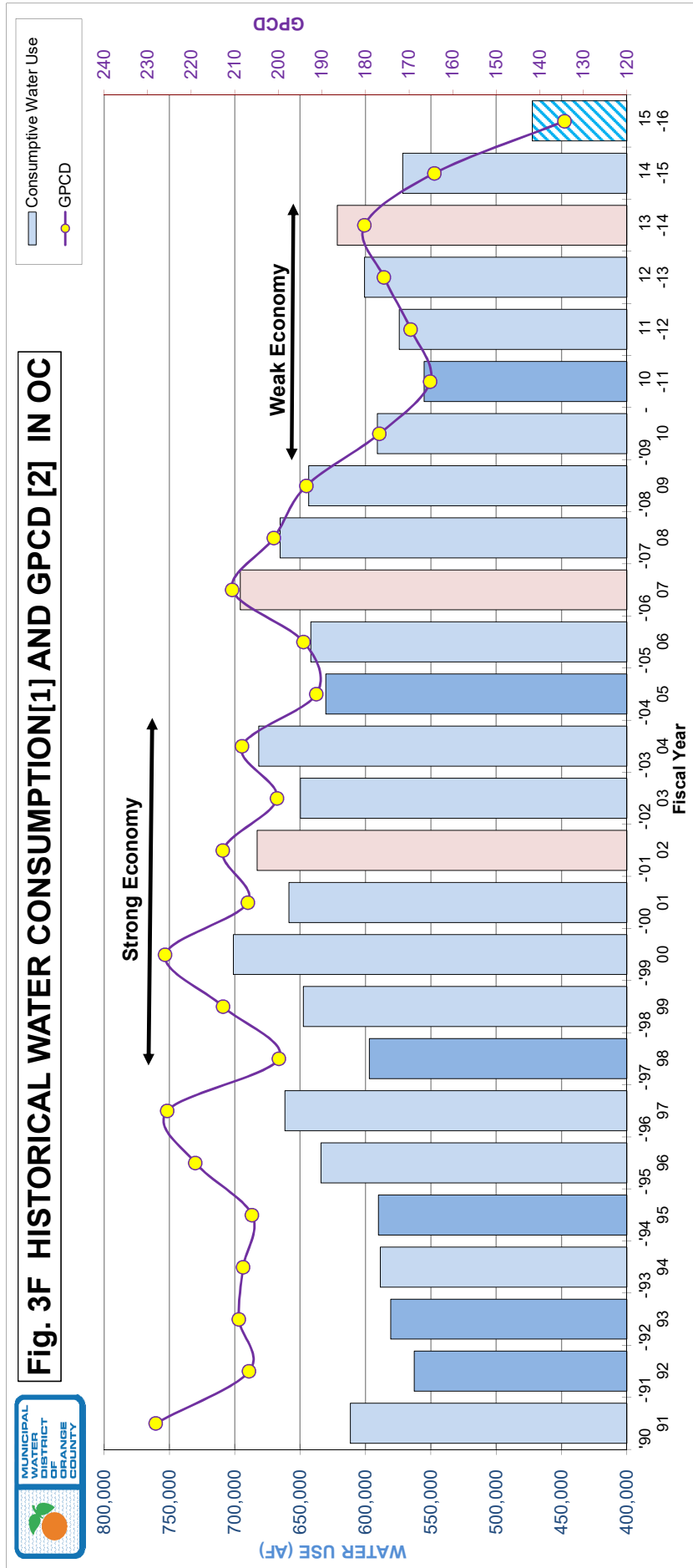
[2] Employment Data source Bureau of Labor Statistic for Long Beach-L.A.-Santa Ana Metro Area

<http://www.bls.gov/lau/>



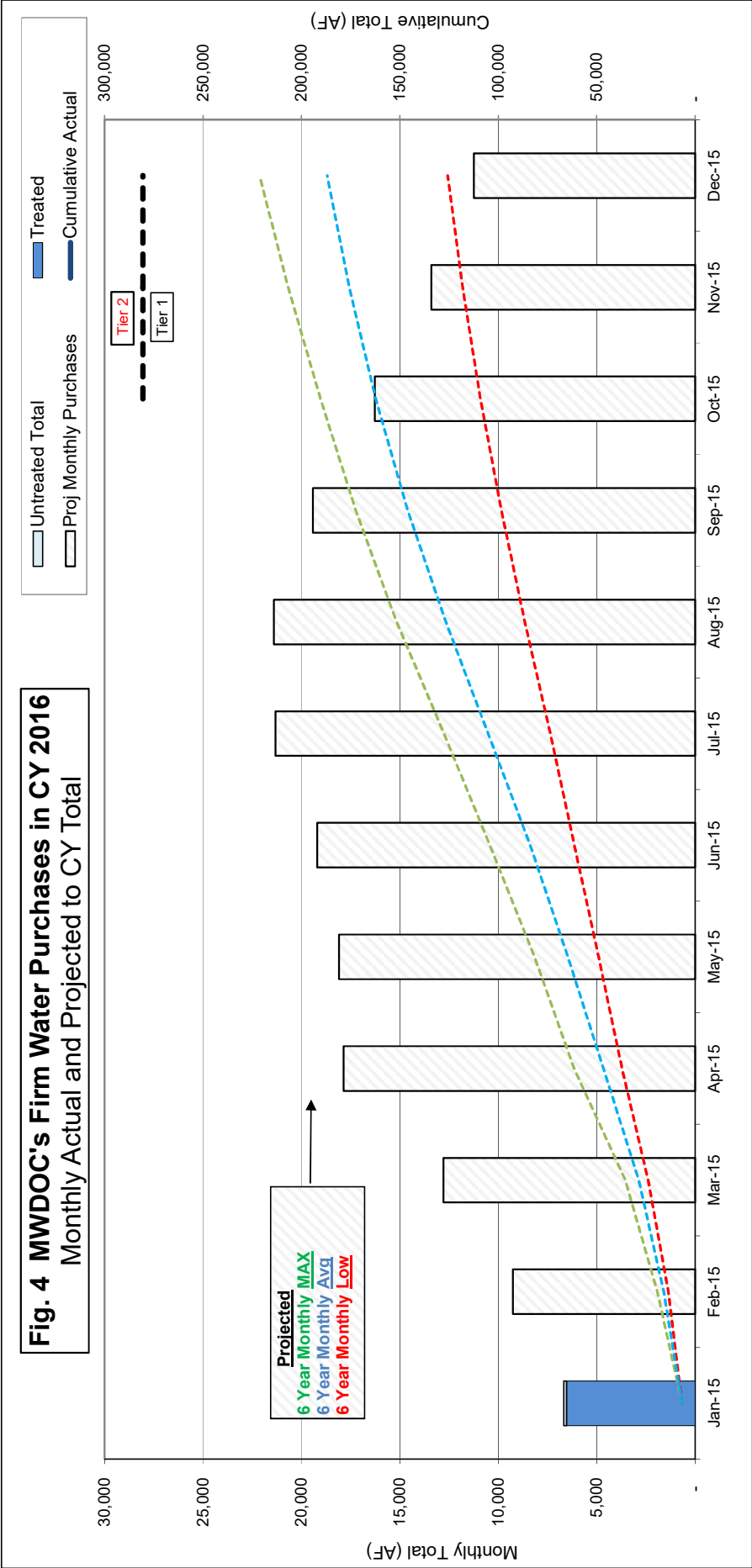
[1] Consumption includes potable, recycled and non-potable usage; excludes Barrier and Spreading water. The most recent data involve some estimation.

[2] Population estimates in the 2000s decade were revised by the State Dept. of Finance to reflect the 2010 Census counts.



[1] Consumption includes potable, recycled and non-potable usage; excludes Barrier and Spreading water. The most recent data involve some estimation.

[2] Gallon per Capita Daily (includes all types of water usage and all type of water users).



Notes

1. "Firm" includes Full Service (both Treated and Untreated) and Barrier water.
2. Basin Pumping Percentage (BPP) is the percentage of a retail water agency's total water demand that they are limited to pump from the OCWD-managed groundwater basin. BPP pertains to Basin agencies only. For example, if a Basin agency's total demand is 10,000 AF/yr and OCWD sets the BPP at 72%, then the agency is limited to 7,200 AF of groundwater that year. There may be certain exceptions and/or adjustments to that sample calculation. OCWD sets the BPP for the Basin agencies, usually as of July 1st.

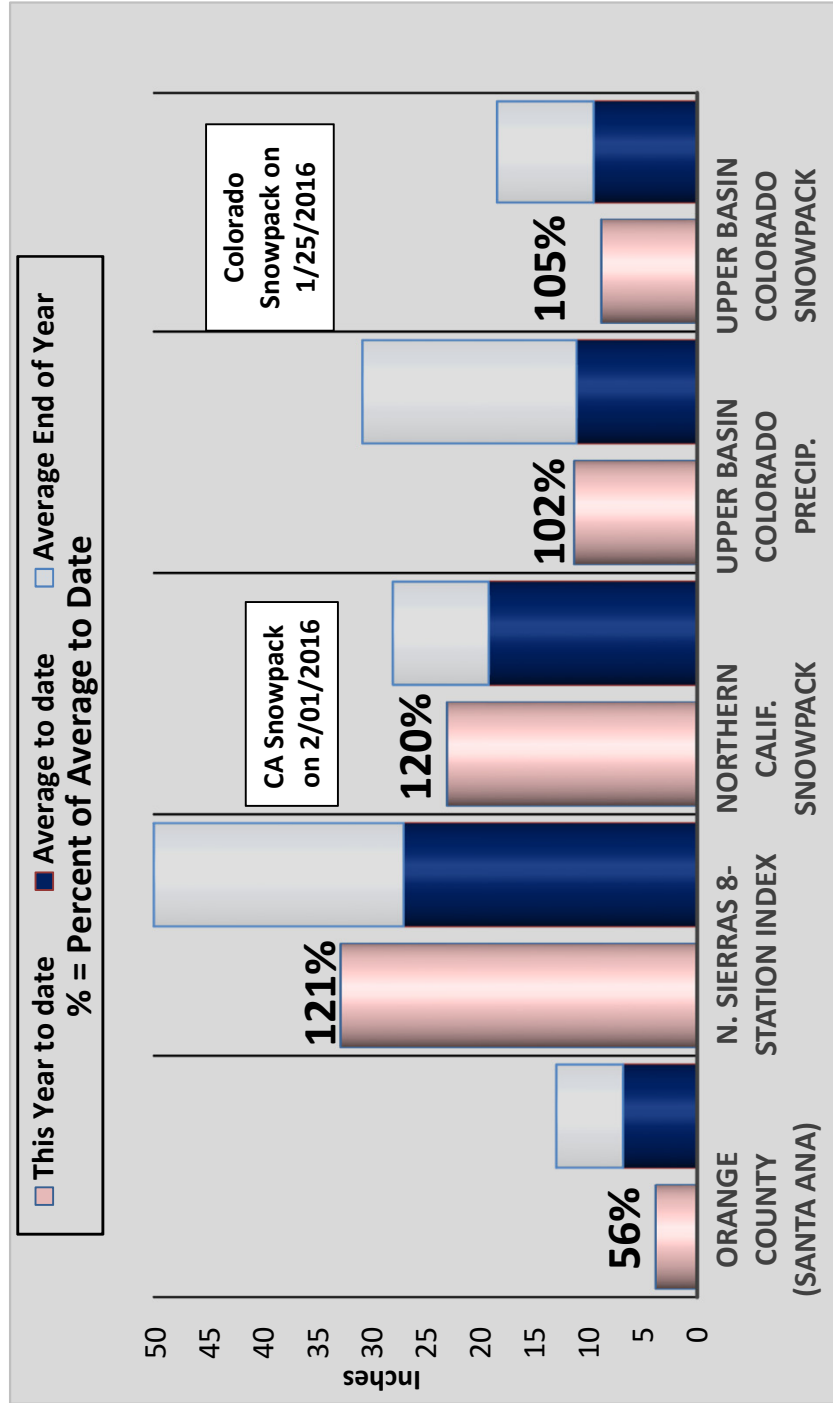


prepared by the Municipal Water District of Orange County

**numbers are subject to change*

printdate 2/2/2016

Accumulated Precipitation **for the Oct.-Sep. water year, through January 2016**



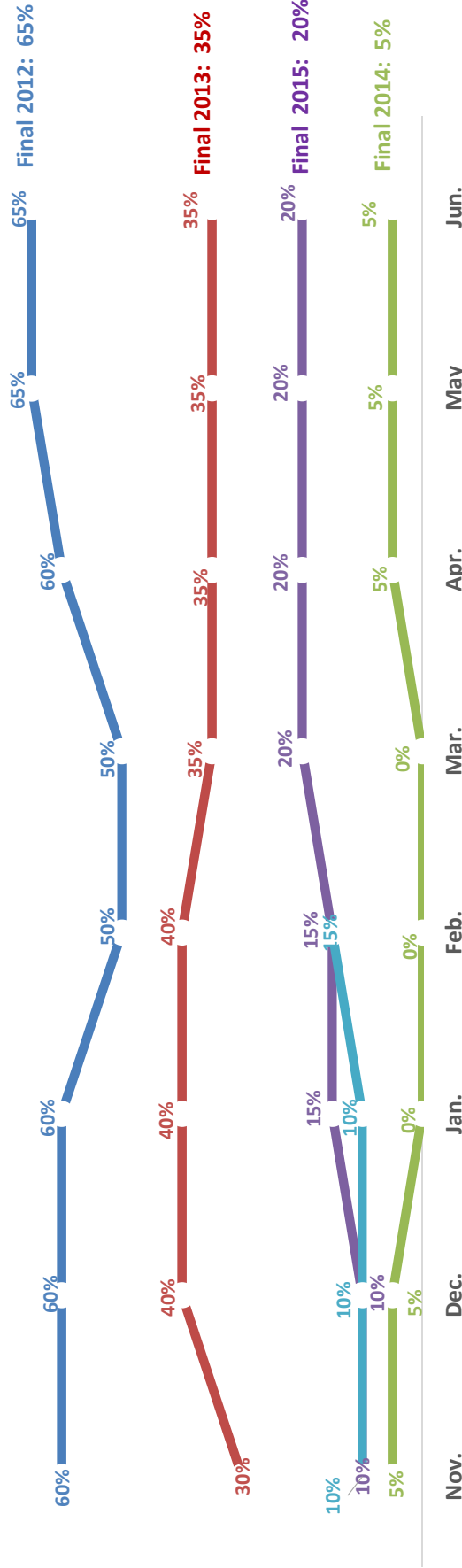
* The date of maximum snowpack accumulation (April 1st in Northern Calif. , April 15th in the Upper Colorado Basin) is used for year to year comparison.



SWP TABLE A ALLOCATION

FOR STATE WATER PROJECT CONTRACTORS

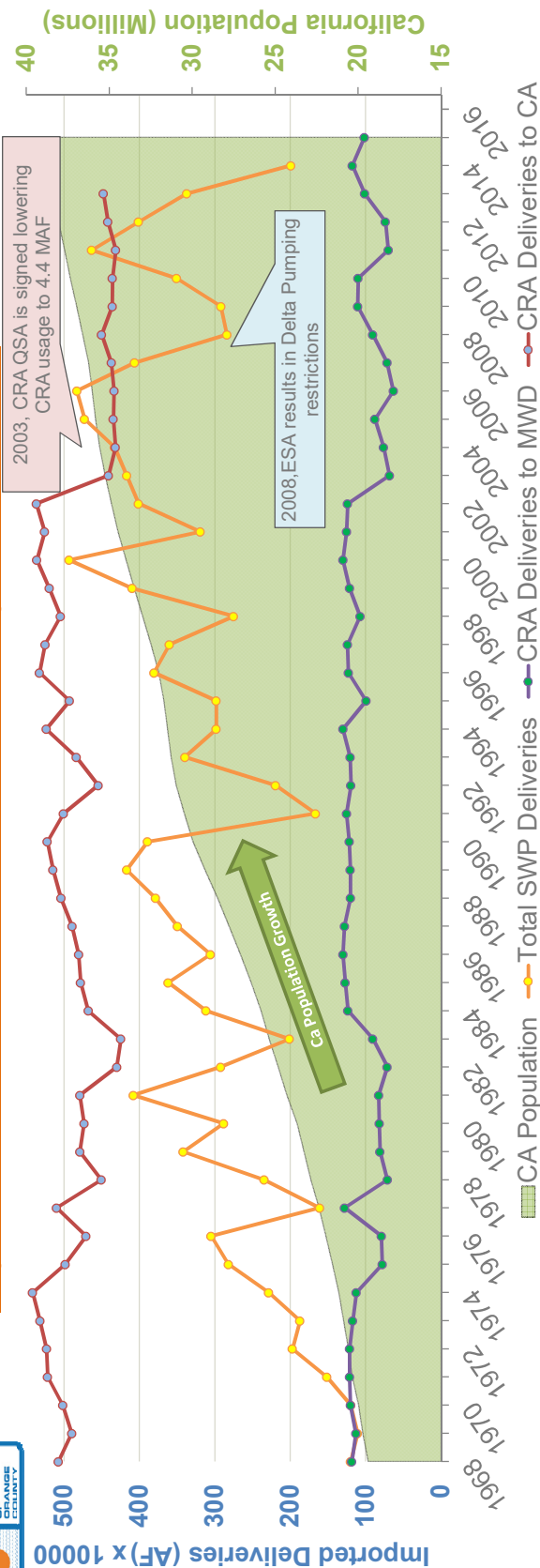
Final 2016: ??



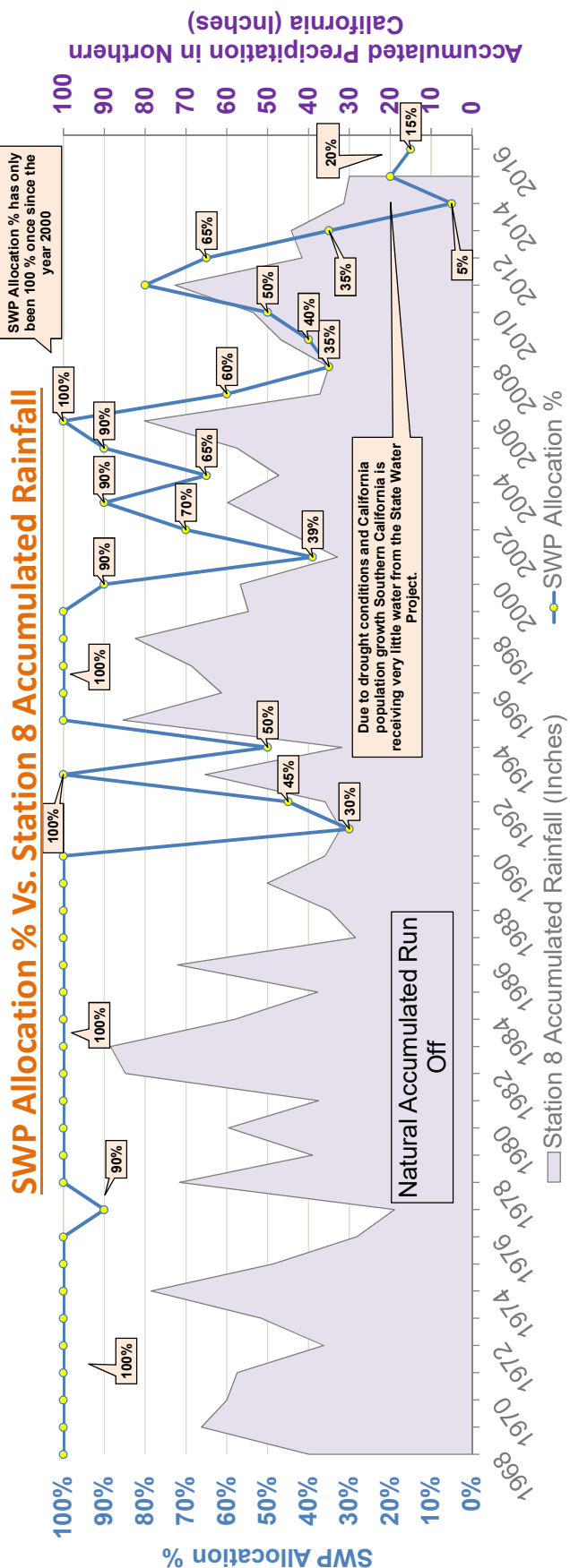
■ Water Year 2012
 ■ Water Year 2013
 ■ Water Year 2014
 ■ Water Year 2015
 ■ Water Year 2016



Imported Water Deliveries Vs. California Population Growth



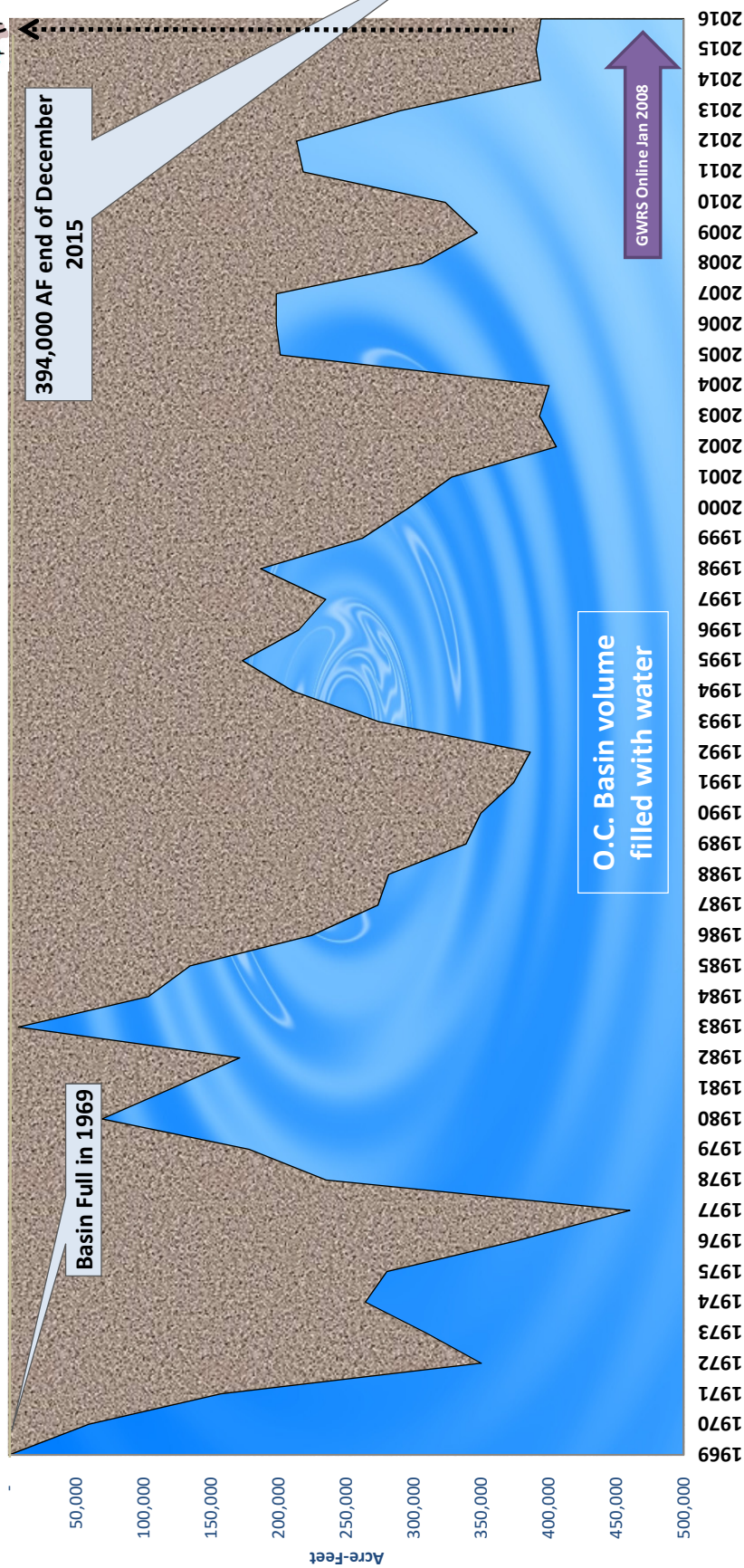
SWP Allocation % Vs. Station 8 Accumulated Rainfall





O.C. Basin Accumulated Overdraft

Annual, 1969 to Present

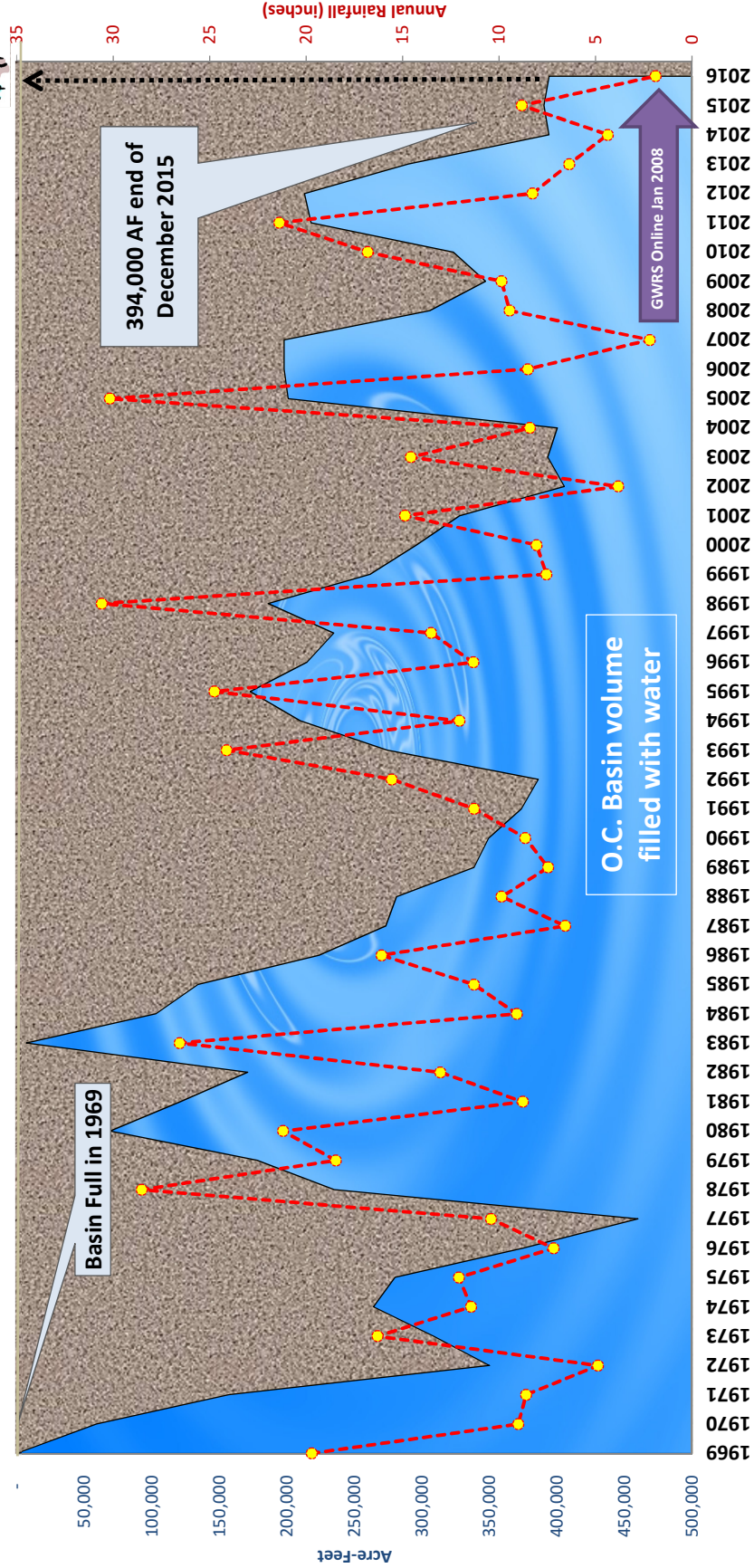


~ Accumulated Overdraft (dewatered volume) shown as white area, excluding the volume stored by Metropolitan. source: OCWD



O.C. Basin Accumulated Overdraft Vs. Annual Rainfall

Annual, 1969 to Present

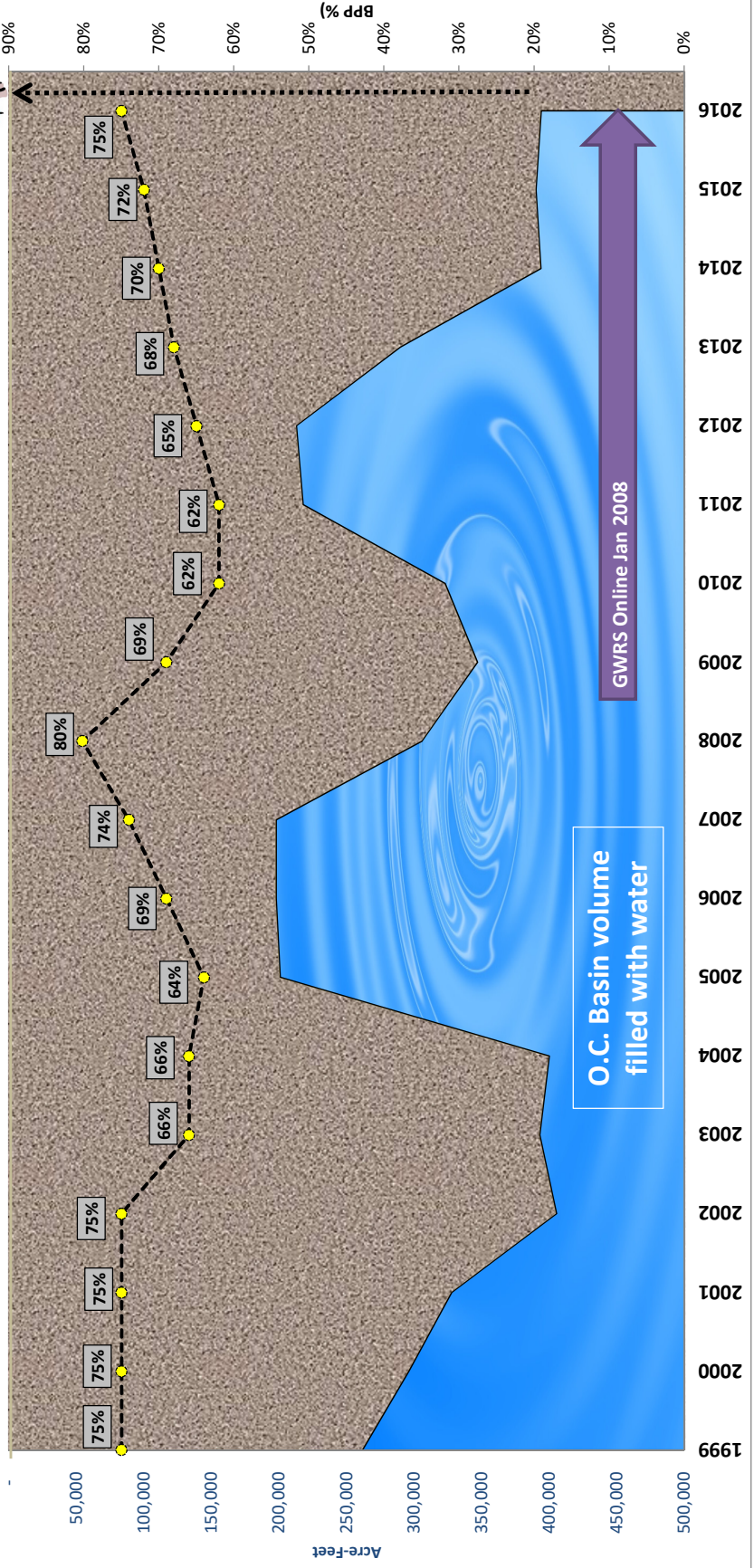
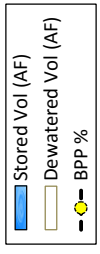


~ Accumulated Overdraft (dewatered volume) shown as white area, excluding the volume stored by Metropolitan. source: OCWD

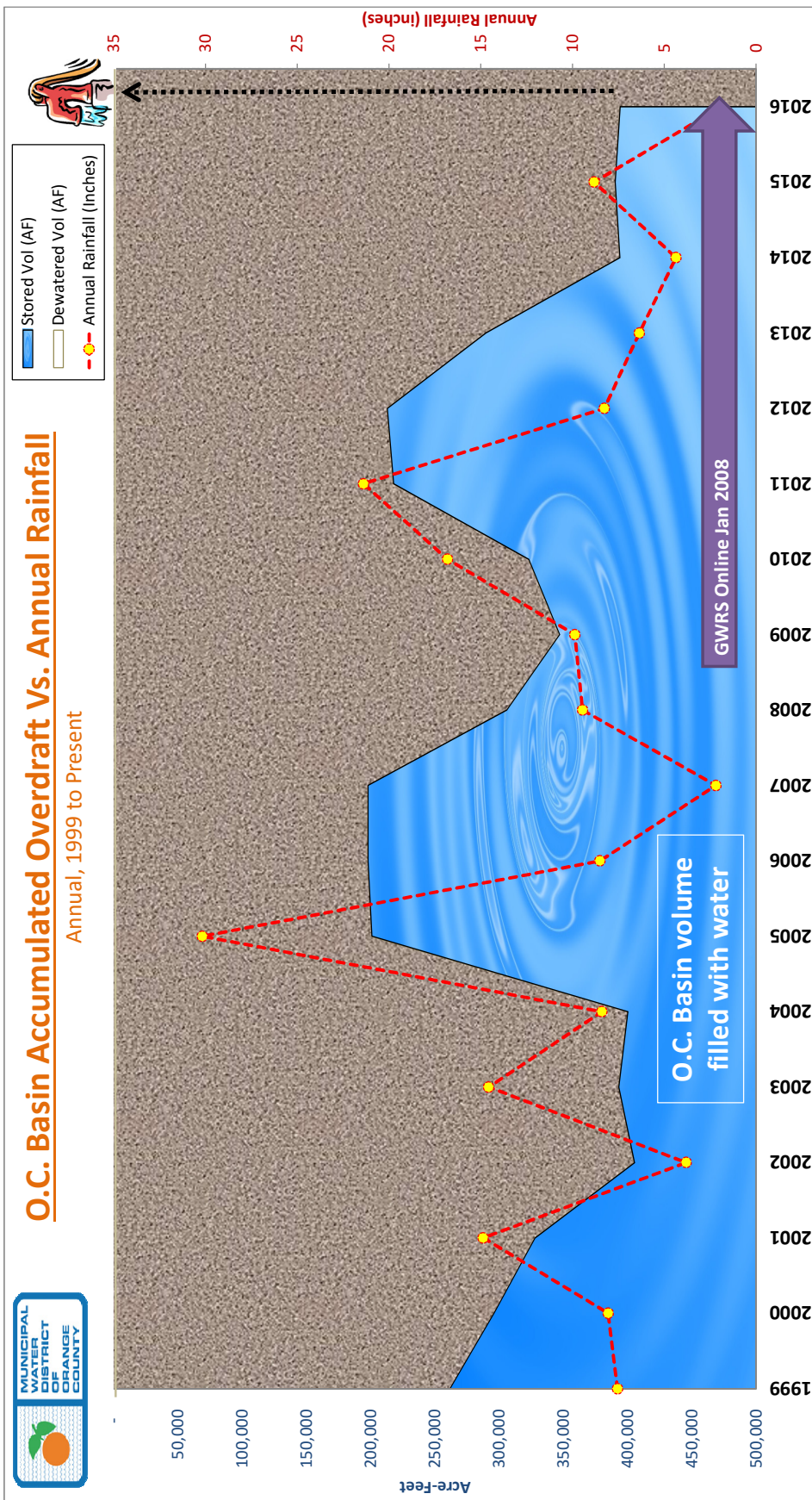


O.C. Basin Accumulated Overdraft Vs. BPP %

Annual, 1999 to Present



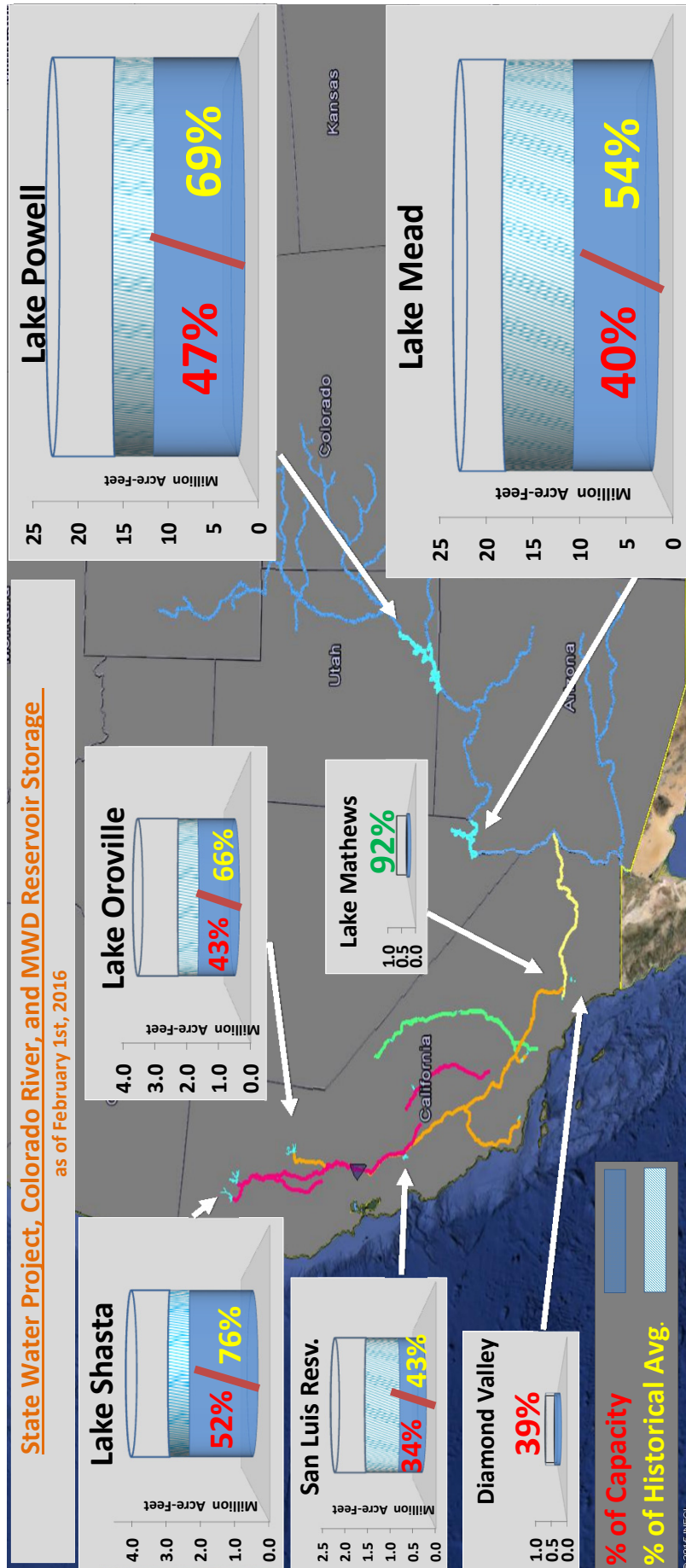
~ Accumulated Overdraft (dewatered volume) shown as white area, excluding the volume stored by Metropolitan. source: OCWD



~ Accumulated Overdraft (dewatered volume) shown as white area, excluding the volume stored by Metropolitan. source: OCWD

State Water Project, Colorado River, and MWD Reservoir Storage

as of February 1st, 2016



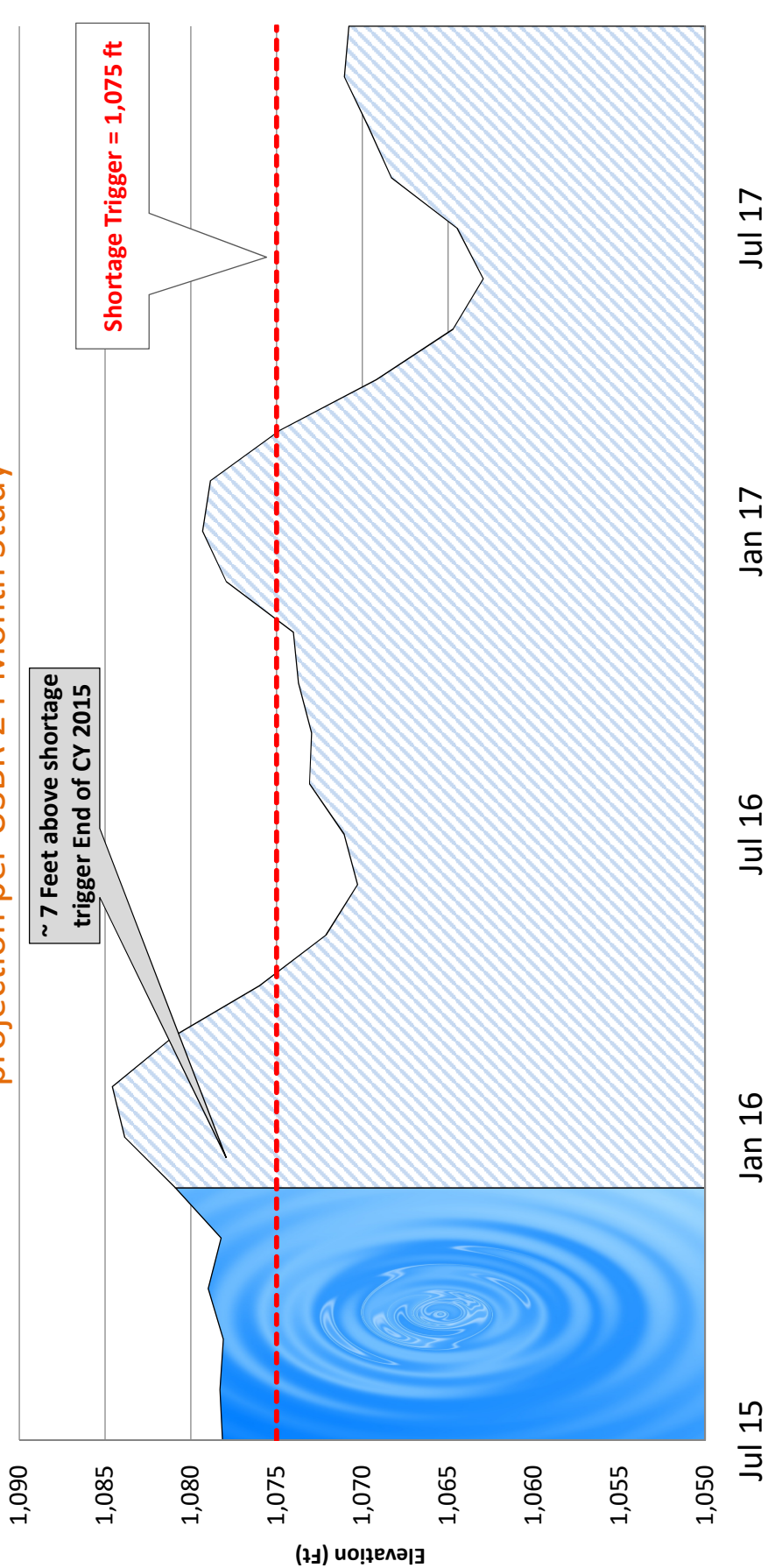
Prepared by the Municipal Water District of Orange County
 Number one Subject to Change





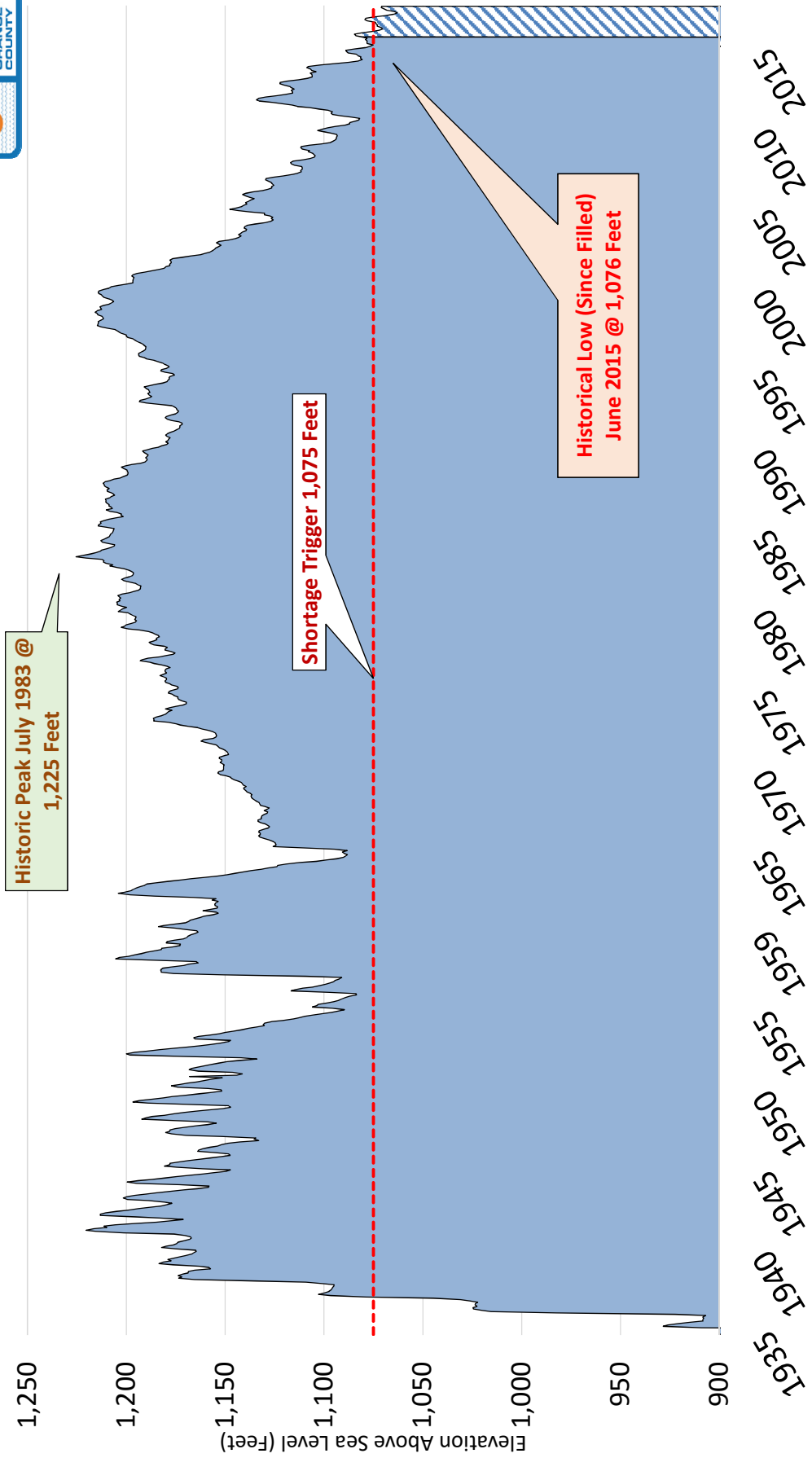
Lake Mead Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical □ Projected





Lake Mead Historical Water Elevation Level



**Administration Activities Report
January 8, 2016 to February 4, 2016**

Activity	Summary
Administration/Board	<ul style="list-style-type: none"> • Maribeth has been scheduling meetings for Rob Hunter and other various meetings of the Board members • Maribeth has been assisting Rob/Karl with various write ups and follow-up for the Committees and Board, as well as a couple of comprehensive research projects. • Maribeth reapplied for the Transparency of Excellence award and is currently awaiting a response (the District was notified that a response will be made in May or June) • Maribeth is orchestrating updates to the Open Government Portal and recommending changes/updates. • Maribeth organized the details and secured the location for the Special Board meeting at the Westin. • Maribeth has been working with the Directors regarding filing of their Form 460/470 • Maribeth has begun the process for Form 700 filing • Maribeth completed and submitted the Statement of Fact to the Secretary of State • Maribeth continues to send the Water Supply Reports to the member agencies • Maribeth is working with newly elected President Osborne on various issues, including the Committee appointments • Maribeth orchestrated the recently prepared staff directory for the Directors • Pat has been scheduling meetings for Karl, Keith and Harvey and ordering lunches for several meetings. • Pat prepared "Statement of Membership Dues" letters to ISDOC membership for 2016 dues. • Pat scheduled travel for the ACWA DC Conference, ACWA Federal Affairs and Legislative Committees, Urban Water Institute Conference, Advocacy Trip, CUWCC, and other misc. travel and/or workshops, which includes preparation of purchase requisitions and back-up. • Pat has been researching information on line and contacting members to update the 2016 ISDOC Directory. • Pat covered the P&O and Joint Planning meetings for staff while out of the office.
MWDOC/OCWD Joint Administration	<ul style="list-style-type: none"> • Cathy continues coordination efforts with OCWD regarding joint building remodel construction schedule to begin in the next few weeks with completion anticipated on April 5.
Health Benefits	No information to report.
Records Management	<ul style="list-style-type: none"> • Sarah trained Shenandoah on Laserfiche basics and started her on a quality checking project. • Sarah completed the scanning of the Doheny files and will be coordinating with Karl on loading the remaining files to the appropriate drive. Oversized documents will be sent out for scanning once Karl has reviewed the files.

Records Management (Continued)	<ul style="list-style-type: none"> • Sarah pulled files from Iron Mountain for Maribeth and assisted her in locating specific documents for a few projects she is working on. • Sarah has been preparing board packet files for archiving, Shenandoah is assisting with this project. • Pari has been scanning old WUE applications in an effort to purge the originals from the vault. • Leah has been working on various scanning and shredding projects. • Sarah assisted with meeting set ups and other admin duties as needed.
CalPERS	No information to report.
Agency Inquiries	No information to report.
Recruitment /Departures	<ul style="list-style-type: none"> • Staff is continuing to evaluate candidates for the Principal Engineer position. • Recruitment efforts continue for the Public Affairs Intern position. • An evaluation is underway on the Water Use Efficiency staffing needs in preparing for a recruitment to fill the vacancy left by an internal promotion.
Other	
Projects and Activities	<ul style="list-style-type: none"> • Cathy is continuing to work with the Pacific Design Center to evaluate the upcoming office areas to be renovated (MWDOC lobby and restrooms) and office space planning options to make better use of existing office space and work stations. • Cathy is working on the upcoming budget for the Administration, Board, Personnel and Overhead Departments. • Katie continues research on new copy lease options for the existing lease than will expire in August 2016. • Cathy attended two meetings to review the HR System Module of the Financial System that is being evaluated. Currently HR has its own system in tracking employee performance, increases and employee history and the new system improves efficiencies whereby it meets both HR and Finance needs. • January 21st, Cathy attended the HR Member Agency Meeting at Santa Margarita Water District. Presentations were made by UC Irvine and Riverside, Cal State Fullerton and Long Beach regarding their internship programs. • January 26th, Cathy attended the ACWA HR Meeting at Cucamonga Valley Water District where discussion was held regarding Leaves of Absences and Hot Topics and Legal Updates for 2016. • January 28th a MWDOC All Staff Meeting was held and the following items were reviewed: <ul style="list-style-type: none"> ○ Office Safety Training Video ○ 2016/17 Budget ○ MWDOC Office Remodel (Entry Area and 4 Restrooms) and Boardroom/Foyer/Reception Area Lobby Remodel

**INFORMATION ITEM**

February 10, 2015

TO: Administration & Finance Committee
(Directors Thomas, Barbre, Osborne)

FROM: Robert J. Hunter, General Manager

Staff Contact: Jeff Stalvey

SUBJECT: Finance and IT Pending Items Report

SUMMARY

The following list details the status of special projects that are in-progress or to be completed during FY 2015-16. Highlighted items reflect updates from last month.

Description	% of Completion	Estimated Completion date	Status
<u>Finance</u>			
Further Implementation of WUE Landscape Programs Databases and Web Site.	On-going	On-going	In Progress
Preparation of documents for FY16-17 budget process.	30%	5/31/16	In Progress
Rate Study Services – Raftelis	30%	05/01/16	Agency Manager's meeting 2/4/16 to discuss survey results
MetLife Global security matured. Re-invested in Wells Fargo corp. security 4yr at 2.55% and HSBC Bank 5yr callable step-up note at 1.55%.	100%	01/21/16	First call on callable is 01/21/18 and steps to 2.25%. 1% increase each year.
All 1099's and W2's sent out on time including 2,877 from Turf and Spray-to-Drip programs.	100%	02/01/16	Completed
1099 filing with IRS delayed until final date to file electronically, awaiting tax exemption ruling in February 2016.	90%	03/31/16	Pending

<u>Information Technology</u>			
Network security issues (hackers, viruses and spam emails)	On-going	On-going	Continuous system monitoring
Implement and deploy Malware/Spyware Protection for all Workstations	20%	2/28/16	On Hold
Implement and install E-mail Archiver system.	10%	6/30/16	In Progress
Upgrade Exchange E-mail Server to the latest version	10%	6/30/16	In Progress
Virtualize and migrate HR ABRA database Server	30%	02/28/16	In Progress
Upgrade District Desktop Computers to Windows 10	40%	6/30/15	In Progress

FY 2015-16 Completed Special Tasks

Description	% of Completion	Completion date	Status
<u>Finance</u>			
Government Compensation in California report	100%	11/30/15	Completed
State Controller Report preparation	100%	11/30/15	Completed
State Tax filing for Water Facilities	100%	11/30/15	Completed
Annual Financial Statement Report	100%	10/23/15	Completed
Morgan Stanley matured. Reinvested \$500k in JPMorgan Chase 2.25%, 4yr Corp Bond	100%	11/02/15	Completed
Rate Study RFP	100%	12/16/15	Completed
Fiscal Year 2014/15 Annual Audit by Vavrinek, Trine, Day & Company	100%	11/25/15	Final Audit complete

Description	% of Completion	Completion date	Status
<u>Information Technology</u>			
Purchase and upgrade Finance Check printer	100%	10/1/15	Completed
Purchase and upgrade 13 Desktop Computers with monitors for Staff.	100%	10/1/15	Completed
Purchase and upgrade District Broadband Speed	100%	10/1/15	Completed
Purchase and install Plotter	100%	11/15/15	Completed
Recycle obsolete and non-functional IT Equipment.	100%	1/28/16	Completed