MEETING OF THE

BOARD OF DIRECTORS OF THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY Jointly with the

ADMINISTRATION & FINANCE COMMITTEE

December 14, 2016, 8:30 a.m. MWDOC Conference Room 101

Committee:

Director J. Thomas, Chairman

Staff: R. Hunter, K. Seckel, C. Harris,
Director J. Finnegan

K. Davanaugh, H. Chumpitazi

Director B. Barbre

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

- TREASURER'S REPORT.
 - a. Revenue/Cash Receipt Report November 2016
 - b. Disbursement Approval Report for the month of December 2016
 - c. Disbursement Ratification Report for the month of November 2016
 - d. GM Approved Disbursement Report for the month of November 2016
 - e. Water Use Efficiency Projects Cash Flow November 30, 2016
 - f. Consolidated Summary of Cash and Investment October 2016
 - g. OPEB Trust Fund monthly statement

- FINANCIAL REPORT
 - a. Combined Financial Statements and Budget Comparative for the Period ending October 31, 2016

DISCUSSION ITEMS

UPDATE ON EXECUTIVE ORDER B-37-16

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.)

- 4. SOLE SOURCE CONTRACT FOR TEMPORARY STAFFING
- SOLE SOURCE CONTRACT WITH PFM FINANCIAL MANAGEMENT
- 6. METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA CONJUNCTIVE USE PROGRAM (CUP) FUNDING AGREEMENT
- 7. DEPARTMENT ACTIVITIES REPORTS
 - a. Administration
 - b. Finance and Information Technology
- 8. MONTHLY WATER USAGE DATA, TIER 2 PROJECTION, AND WATER SUPPLY INFORMATION

OTHER ITEMS

9. 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.

Item 1a

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

WATER REVENUES

| Date | From | Description | Amount |
|----------|------------------------------------|---------------------------------|--------------|
| 11/02/16 | City of La Palma | September 2016 Water deliveries | 94,975.41 |
| 11/04/16 | City of Buena Park | September 2016 Water deliveries | 142,415.93 |
| 11/07/16 | City of Newport Beach | September 2016 Water deliveries | 61,278.80 |
| 11/09/16 | City of Westminster | September 2016 Water deliveries | 225,781.35 |
| 11/10/16 | Laguna Beach County Water District | September 2016 Water deliveries | 190,753.20 |
| 11/10/16 | City of Huntington Beach | September 2016 Water deliveries | 918,188.12 |
| 11/14/16 | El Toro Water District | September 2016 Water deliveries | 646,806.25 |
| 11/14/16 | South Coast Water District | September 2016 Water deliveries | 480,473.97 |
| 11/14/16 | Santa Margarita Water District | September 2016 Water deliveries | 2,378,977.93 |
| 11/14/16 | East Orange County Water District | September 2016 Water deliveries | 304,969.66 |
| 11/14/16 | City of Orange | September 2016 Water deliveries | 515,633.00 |
| 11/15/16 | Orange County Water District | September 2016 Water deliveries | 3,562,156.54 |
| 11/15/16 | Irvine Ranch Water District | September 2016 Water deliveries | 1,213,261.56 |
| 11/15/16 | Santiago Aqueduct Commission | September 2016 Water deliveries | 300,385.80 |
| 11/15/16 | Moulton Niguel Water District | September 2016 Water deliveries | 2,100,648.12 |
| 11/15/16 | Yorba Linda Water District | September 2016 Water deliveries | 594,277.52 |
| 11/15/16 | Golden State Water Company | September 2016 Water deliveries | 319,748.09 |
| 11/23/16 | Serrano Water District | October 2016 Water deliveries | 84,128.22 |
| 11/25/16 | City of San Clemente | October 2016 Water deliveries | 609,803.34 |

TOTAL REVENUES \$ 14,744,662.81

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

MISCELLANEOUS REVENUES

| Date | From | Description | Amount |
|----------|-------------------------------|---|------------|
| 11/07/16 | Christina Fuller | Movie tickets | 25.50 |
| 11/07/16 | Stephen J Rhyner | OCEMO Holiday luncheon | 32.00 |
| 11/15/16 | City of Aliso Viejo | OCEMO Holiday luncheon | 32.00 |
| 11/30/16 | Paypal | OCEMO Holiday luncheon | 1,294.45 |
| 11/01/16 | Mesa Water | FY 16-17 Choice Programs Billing Invoice | 28,704.96 |
| 11/02/16 | City of La Palma | FY 16-17 Choice Programs Billing Invoice | 9,236.55 |
| 11/02/16 | Irvine Ranch Water District | FY 16-17 Choice Programs Billing Invoice | 215,038.19 |
| 11/04/16 | City of Fullerton | FY 16-17 Choice Programs Billing Invoice | 234.22 |
| 11/04/16 | City of Tustin | FY 16-17 Choice Programs Billing Invoice | 27,565.51 |
| 11/07/16 | City of Newport Beach | FY 16-17 Choice Programs Billing Invoice | 39,090.84 |
| 11/07/16 | City of Seal Beach | FY 16-17 Choice Programs Billing Invoice | 2,425.98 |
| 11/10/16 | City of San Clemente | FY 16-17 Choice Programs Billing Invoice | 43,927.12 |
| 11/15/16 | City of San Juan Capistrano | FY 16-17 Choice Programs Billing Invoice | 23,828.51 |
| 11/23/16 | El Toro Water District | September 2016 Smartimer and Rotating Nozzle rebate program | 366.99 |
| 11/04/16 | Mesa Water | September 2016 Smartimer rebate program | 149.99 |
| 11/09/16 | Irvine Ranch Water District | September 2016 Smartimer rebate program | 189.00 |
| 11/18/16 | City of Huntington Beach | September 2016 Smartimer rebate program | 557.99 |
| 11/23/16 | City of Newport Beach | September 2016 Smartimer rebate program | 150.99 |
| 11/25/16 | City of Brea | September 2016 Smartimer rebate program | 294.99 |
| 11/10/16 | City of San Clemente | July 2016 Turf Removal rebate program | 222.00 |
| 11/10/16 | City of San Clemente | August-September 2016 Turf Removal rebate program | 888.00 |
| 11/09/16 | Irvine Ranch Water District | September 2016 Turf Removal rebate program | 20,466.00 |
| 11/15/16 | City of San Juan Capistrano | September 2016 Turf Removal rebate program | 424.88 |
| 11/23/16 | City of Buena Park | September 2016 Turf Removal rebate program | 111.00 |
| 11/02/16 | City of Newport Beach | August 2016 Smartimer and Turf Removal rebate program | 225.00 |
| 11/07/16 | Moulton Niguel Water District | September 2016 Smartimer, Rotating Nozzle & Turf Removal rebate program | 96,834.06 |
| 11/14/16 | Trabuco Canyon Water District | September 2016 So Cal Watersmart Residential rebate program | 100.00 |
| 11/16/16 | Irvine Ranch Water District | September 2016 So Cal Watersmart Residential rebate program | 24,942.19 |
| 11/07/16 | City of Seal Beach | Water Loss Control technical assistance - WSO, Inc | 39,892.00 |

TOTAL MISCELLANEOUS REVENUES \$ 577,250.91

TOTAL REVENUES \$ 15,321,913.72

Robert J. Hunter, General Manager

Hilary Chumpitazi, Treasurer

Item 1b

| Invoice# | Vendor / Description | Amount to Pay |
|-----------------------|---|------------------|
| Core Expenditures | ;; | |
| | Richard Ackerman | |
| 1122 | November 2016 Consulting for legal & regulatory matters | 1,525.00 |
| 1122 | *** Total *** | 1,525.00 |
| | 1012 | · |
| | Aleshire & Wynder LLP | |
| 39702 | October 2016 Legal services | 4,220.00 |
| 39991-2 | November 2016 Legal services | 1,945.00 |
| | *** Total *** | 6,16S.00 |
| | ALTA FoodCraft | |
| 516110884 | 11/7/16 Coffee & tea supplies | 299.02 |
| | *** Total *** | 299.02 |
| | | |
| 702722 | Best Best and Krieger LLP October 2016 State legislative advocacy services | 7,500.00 |
| 783722 55401-OCT16 | October 2016 State legislative advocacy services October 2016 Legal services | 17,250.59 |
| 784870 | November 2016 State legislative advocacy services | 7,500.00 |
| 54401-NOV16 | November 2016 Legal services | 15,288.48 |
| 34401 110 110 | *** Total *** | 47,539.07 |
| | | |
| | California Chomber af Commerce | 459.00 |
| 22525-2017 | 2017 Annual membership renewal | 459.00 459.00 |
| | *** Total *** | 433.00 |
| | Califarnia Newspoper Partnership | |
| 0061990003-OCT16 | October 2016 Employment ad for Emergency Programs Coordinator position | 1,177.50 |
| 0061990003-NOV16A | October 2016 Employment ad for Emergency Programs Coordinator position | 100.00 |
| | *** Total *** | 1,277.50 |
| | California Special Districts Association | |
| 352-2017 | 2017 Annual membership renewal | 6,485.00 |
| 332 231, | *** Total *** | 6,485.00 |
| | C. Int. Mr. Chara C. Carabia | |
| 14 107 | Carl Markham Signs & Graphics Rework 2 plaques for Director Yoo Schneider | 40.00 |
| 14-197 | *** Total *** | 40.00 |
| | Total | |
| | CDM Smith | |
| 90002191 | 8/14/16-9/30/16 Engineering services for Water Reliability Investigation | 15,701.41 |
| | *** Total *** | 15,701.41 |
| | CDW Government | |
| FWM9270 | 11/23/16-11/24/17 service for Zscaler internet security software | 1,846.15 |
| | *** Total *** | 1,846.15 |
| | | |

| Invoice# | Vendor / Description | Amount to Pay |
|-----------------|--|---------------|
| | | |
| 4 5 5 6 4 4 | CSU Fullerton ASC | 255.21 |
| AR165841 | Customized data for OC Assessor parcel numbers by MWDOC retailers' service boundaries | 255.21 |
| AR165842 | Updated Historic population estimates for retail water agencies | 1,037.81 |
| , ((12000 12 | *** Total *** | 1,293.02 |
| | | |
| | CV Strategies | 997 50 |
| 3770 | October 2016 Assistance for the recruitment of the Director of Public Affairs position | 887.50 |
| | *** Total *** | 887.50 |
| | , 0.0. | |
| | Dissinger Associates | |
| AP-MWD010/31/16 | October 2016 Pension plan distribution processing fee | 50.00 |
| | *** Total *** | 50.00 |
| | Fry's Electronics | |
| 21675104 | 11/7/16 Computer supplies | 43.15 |
| | *** Total *** | 43.15 |
| | | |
| 3565 | Gladwell Governmental Services, Inc. 11/3/16 Records management services | 1,500.00 |
| 3577 | 11/3/16 Records management services | 525.00 |
| 3377 | *** Total *** | 2,025.00 |
| | | |
| | GovConnection, Inc. | 427.50 |
| 54331299 | 1/6/17-1/5/18 Service for e-mail security software *** Total *** | 427.50 |
| | Total | 12,100 |
| | James C. Barker, P.C. | |
| 105-1116 | November 2016 Federal legislative advocacy services | 8,000.00 |
| | *** Total *** | 8,000.00 |
| | Jarvis Restoration | |
| 26510 | November 2016 Restoration services for water damage to hallway | 3,016.22 |
| 26510-T | Asbestos and lead testing for damaged wall | 770.00 |
| | *** Total *** | 3,786.22 |
| | Karen's Detail Custom Frames | |
| 2860 | Custom framing for 1 resolution | 120.96 |
| 2000 | *** Total *** | 120.96 |
| | | |
| | Lewis Consulting Group, LLC | |
| 2016-162 | November 2016 Consulting services | 4,062.50 |
| | *** Total *** | 4,062.50 |
| | McCall's Meter Sales & Service | |
| 28790 | October 2016 Services for Water Loss Control meeting | 100.00 |
| | *** Total *** | 100.00 |
| | | |

| Invoice# | Vendor / Descriptian | Amount to Poy |
|----------------|--|---------------|
| | Edward G. Means III | |
| MWDOC-1043 | November 2016 Support for MET issues & guidance to Engineering staff | 1,136.88 |
| | *** Total *** | 1,136.88 |
| | Mission RCD | |
| 2119 | October 2016 Turf Removal program surveys and audits | 5,307.70 |
| | *** Total *** | 5,307.70 |
| | Office Solutions | |
| 1-01057667 | 11/8/16 Office supplies | 443.03 |
| 1-01062562 | 11/17/16 Office supplies | 643.25 |
| I-01069466 | 12/1/16 Office supplies | 634.68 |
| | *** Total *** | 1,720.96 |
| | Orange County Business Cauncil | |
| 110716 | 11/8/16 Election Day Luncheon registration for J. Volzke | 85.00 |
| | *** Total *** | 85.00 |
| | Orange County Fast Print, Inc. | |
| 53791 | Business cards for Director Yoo Schneider | 59.00 |
| | *** Total *** | 59.00 |
| | Orange County Water District | |
| 16855 | October 2016 Postage, shared office & maintenance expense | 11,643.46 |
| | *** Total *** | 11,643.46 |
| | Norco Delivery Services | |
| 707269 | 11/13/16 Delivery for Board packets | 138.09 |
| 707342 | 11/20/16 Delivery for Board packets | 25.80 |
| | *** Total *** | 163.89 |
| | Potricia Kennedy Inc. | |
| 21083 | December 2016 Plant maintenance | 214.00 |
| | *** Total *** | 214.00 |
| | Judy Pfister | _ |
| 111416 | January-October 2016 Retiree medical premium | 1,058.00 |
| | *** Total *** | 1,058.00 |
| | Staffing Network LLC | |
| 95686253 | 11/7/16-11/13/16 Temporary help for Administration | 782.34 |
| 95686910 | 11/14/16-11/20/16 Temporary help for Administration | 914.94 |
| 95687845 | 11/21/16-11/27/16 Temporary help for Administration | 503.88 |
| | *** Total *** | 2,201.16 |
| | U.S. Pastal Service | 4 4 7 4 0 0 |
| 2017-Box 20895 | 2017 P.O. Box annual fee | 1,174.00 |
| | *** Total *** | 1,174.00 |

| Invoice# | Vendor / Description | Amount to Pay |
|-------------------|--|---------------|
| | Vovrinek, Trine, Day & Co., LLP | |
| 0129703-IN | October 2016 Services for FY 15-16 audit | 3,500.00 |
| 0110.00 //- | *** Total *** | 3,500.00 |
| | | 0,200.00 |
| | Water Systems Optimizotion, Inc. | |
| 1090 | October 2016 Water Loss Control program | 6,170.03 |
| 1105 | November 2016 Water Loss Control program | 2,260.00 |
| | *** Tota! *** | 8,430.03 |
| | Total Core Expenditures | 138,827.08 |
| Choice Expenditu | res: | |
| | ARC Document Solutions, LLC | |
| 8903981R | Services for online invitation-to-bid on proposal for Doheny Ocean Desal | 50.18 |
| | Decommission project | |
| 8923788 | Services for online invitation-to-bid on amended proposal for Doheny Ocean | 24.15 |
| | Desal Decommissioning project | |
| | *** Total *** | 74.33 |
| | Californio Newspaper Partnership | |
| 0061990003-NOV16B | November 2016 Ad for bids for Doheny Ocean Desal Decommission project | 1,596.00 |
| | *** Total *** | 1,596.00 |
| | 1000 | 1,550.00 |
| | California State Land Commission | |
| A6363 | Additional fee for application processing for Doheny Ocean Desal project | 371.84 |
| | *** Total *** | 371.84 |
| | Geoscience Support Services | |
| 15025-16-06 | October 2016 Doheny Ocean Desal Slant Well decommissioning | 18,977.75 |
| 15025-16-07 | November 2016 Doheny Ocean Desal Slant Well decommissioning | 31,725.60 |
| | *** Total *** | 50,703.35 |
| | Orange County Water District | |
| 16855 | October 2016 Postage for Water Use Efficiency rebate programs | 44.42 |
| | *** Total *** | 44.42 |
| | Total Choice Expenditures | 52,789.94 |
| | and the control of th | 32,763.34 |

| Invoice# | Vendor / Description | Amount to Pay |
|----------------|--|---------------|
| Other Funds Ex | penditures: | |
| | AquaFicient Consulting | |
| 04-001 | July 2016 Landscape Performance Certificate program funded by IRWD | 1,800.00 |
| 04-002 | August 2016 Landscape Performance Certificate program funded by IRWD | 1,800.00 |
| 04-003 | September 2016 Landscape Performance Certificate program funded by IRWD | 1,800.00 |
| | *** Total *** | 5,400.00 |
| | Cloris Strategy | |
| 10160100-03 | November 2016 WEROC EOC site facility assessment | 5,210.00 |
| | *** Total *** | 5,210.00 |
| | Laguna Beach Caunty Water District | |
| 1000012188 | September-November 2016 Smart Timer Distribution program | 240.00 |
| | *** Total *** | 240.00 |
| | Mission RCD | |
| 2121 | October 2016 Field verifications for Water Use Efficiency rebate programs | 8,843.05 |
| 2138 | November 2016 Field verifications for Water Use Efficiency rebate programs | 15,238.41 |
| | *** Total *** | 24,081.46 |
| | Quality Fuel Trailer and Tank, Inc. | |
| 524495 | 500 Gallon diesel fuel trailer for Moulton Niguel Water District | 18,267.60 |
| | *** Total *** | 18,267.60 |
| | Water Systems Optimization, Inc. | |
| 1090 | October 2016 Water Loss Control program | 3,915.00 |
| 1105 | November 2016 Water Loss Control program | 2,355.00 |
| | *** Total *** | 6,270.00 |
| | Total Other Funds Expenditures | 59,469.06 |
| | Total Expenditures | 251,086.08 |

| Check # | Date | Vendar # Invaice/CM # | Name / Description | Net Amount |
|------------|----------|--------------------------|---|----------------------|
| Core Disbu | rsements | : | | |
| 136186 | 11/4/16 | TIMEWA | Time Warner Cable | |
| | , , | 5210-NOV16 | November 2016 Telephone and internet expense ***Total *** | 1,280.57 1,280.57 |
| 136187 | 11/4/16 | VERIZO | Verizon Wireless | |
| | , , | 9774215333 | October 2016 4G Mobile broadband unlimited service ***Total *** | 147.78 147.78 |
| 136198 | 11/15/16 | IRONMO | Iron Mauntain | |
| | • • | NDD2061 | November 2016 Archived document storage fees ***Total *** | 375.63 375.63 |
| 136204 | 11/15/16 | TAMARI | Satoru Tomoribuchi | |
| | ,,_ | 103116 | October 2016 Business expense | 181.65 |
| | | | ***Total *** | 181.65 |
| 136205 | 11/15/16 | TIMEWA | Time Warner Cable | |
| | | 3564-NOV16 | November 2016 Telephone expense for 3 analog fax lines ***Total *** | 85.15 85.15 |
| ACH002239 | 11/15/16 | BAEZHE | Heather Baez | |
| | | 103116 | September-October 2016 Business expense ***Total *** | 247.78 247.78 |
| ACH002240 | 11/15/16 | BARBRE | Brett Barbre | |
| | • | 103116 | October 2016 Business expense | 211.14 |
| | | | ***Total *** | 211.14 |
| ACH002241 | 11/15/16 | BERGJO | Jaseph Berg | |
| | | 10/28/16 | October 2016 Business expense | 486.21 |
| | | | ***Total *** | 486.21 |
| ACH002246 | 11/15/16 | BUSSLI | Charles Busslinger | |
| | | 103116 | September-October 2016 Business expense | 43.20 |
| | | | ***Total *** | 43.20 |
| ACH002248 | 11/15/16 | DELATO | Harvey De La Tarre | |
| | - | 102916 | October 2016 Business expense | 80.02 |
| | | | ***Total *** | 80.02 |
| ACH002249 | 11/15/16 | DICKEX | Larry Dick | |
| | | 103116 | October 2016 Business expense | 170.10 |
| | | | ***Total *** | 170.10 |

| Check # | Date | Vendor # Invoice/CM # | Name / Description | Net Amount |
|-----------|----------|--------------------------|---|------------|
| ACH002251 | 11/15/16 | FINNEG | Joan Finnegan | |
| | ,, | 103116 | October 2016 Business expense | 130.16 |
| | | | ***Total *** | 130.16 |
| ACH002253 | 11/15/16 | HINMAN | Susan Hinman | |
| | | 103116 | October 2016 Business expense | 442.75 |
| | | | ***Total *** | 442.75 |
| ACH002258 | 11/15/16 | HOSTER | Kevin Hostert | |
| | | 103116 | September-October 2016 Business expense | 177.53 |
| | | | ***Total *** | 177.53 |
| ACH002259 | 11/15/16 | LOEWEN | Laura Loewen | |
| | | 103116 | October 2016 Business expense | 37.59 |
| | | | ***Total *** | 37.59 |
| ACH002267 | 11/15/16 | | Jeffery Thomas | |
| | | 103116 | October 2016 Business expense | 251.72 |
| | | | ***Total *** | 251.72 |
| 136224 | 11/30/16 | | U.S. Bank | |
| | | 4140/5443-OCT16 | 9/22/16-10/24/16 Cal Card charges | 14,949.45 |
| | | | ***Total *** | 14,949.45 |
| | | | (See attached sheet for details) | |
| ACH002269 | 11/30/16 | | Linda Ackerman | |
| | | 103116 | October 2016 Business expense | 60.48 |
| | | | ***Tota *** | 60.48 |
| ACH002277 | 11/30/16 | | Karl Seckel | |
| | | 101816 | August-October 2016 Business expense | 220.38 |
| | | | ***Total *** | 220.38 |
| | | | Total Core Disbursements | 19,579.29 |

| Check # | Date | Vendor # Invoice/CM # | Name / Description | Net Amount |
|-------------|------------|--------------------------|---|------------|
| Choice Disi | bursemen | ts: | | |
| ACH002241 | 11/15/16 | BERGJO | Joseph Berg | |
| | | 10/28/16 | October 2016 Business expense | 110.55 |
| | | | ***Total *** | 110.55 |
| 136221 | 11/30/16 | 5DGE | San Diego Gas and Electric | |
| | | 7768-NOV16 | 10/19/16-11/17/16 Electric service for Doheny Ocean Desal | 126.06 |
| | | | project | |
| | | | ***Total *** | 126.06 |
| 136224 | 11/30/16 | USBANK | U.S. Bank | |
| | | 4140-OCT16A | 9/22/16-10/24/16 Cal Card charges | 3,025.00 |
| | | | ***Total *** | 3,025.00 |
| | | | (See attached sheet for details) | |
| | | | Total Choice Disbursements | 3,261.61 |
| Other Fund | ds Disburs | ements: | | |
| 136185 | 11/4/16 | ATTEOC | AT&T | |
| | | 4492-OCT16 | October 2016 S. EOC telephone expense | 273.82 |
| | | 8200-OCT16 | October 2016 N. EOC telephone expense | 189.00 |
| | | 0532-OCT16 | October 2016 WEROC N. EOC dedicated phone line | 65.07 |
| | | | ***Total *** | 527.89 |
| 136187 | 11/4/16 | VERIZO | Verizon Wireless | |
| | | 9774215333 | October 2016 4G Mobile broadband unlimited service | 38.01 |
| | | | ***Total *** | 38.01 |
| 136189 | 11/15/16 | ATTUVEOC | AT&T | |
| | | 8599-NOV16 | November 2016 U-verse internet service for WEROC N. EOC | 55.00 |
| | | | ***Total *** | 55.00 |
| ACH002241 | 11/15/16 | BERGJO | Joseph Berg | |
| | | 10/28/16 | October 2016 Business expense | 4.50 |
| | | | ***Total *** | 4.50 |
| | | HUBBAR | Kelly Hubbard | |
| ACH002254 | _ , _, | | October 2016 Business expense | 93.14 |
| ACH002255 | | | October 2016 Business expense-CESA Conference | 148.77 |
| ACH002256 | 11/15/16 | 102316 | October 2016 Business expense-IAEM Conference | 267.13 |
| | | | ***Total *** | \$09.04 |

| Check# Date Invoice/CM # Description Net Amount ACH002260 11/15/16 MESAWA 9001 Mesa Water September 2016 Credit for Local Resources program ***Total **** 76,070.72 136217 11/30/16 CATALI 0013459 Catalia Island Canserwancy November 2016 WEROC radio repeater site lease ***Total **** 1,636.47 136224 11/30/16 USBANK 4140-0CT16A U.S. Bank 9/22/16-10/24/16 Cal Card charges ***Total **** 1,381.67 136226 11/30/16 TR.R.R.RWD-4946-4872 11/30/16 R. Rochelle C. Chirlo 1,322.64 136227 11/30/16 TR.R.R.MNT-4954-4485 11/30/16 C. Chirlo 1,322.64 136228 11/30/16 TR.R.R.MNT-4954-4485 11/30/16 C. Chirlo 1,322.64 136221 11/30/16 TR.R.R.MNT-4954-4485 11/30/16 C. Chirlo 1,322.64 136221 11/30/16 TR.R.R.MNT-4954-4485 11/30/16 C. Chirlo 1,322.64 136223 11/30/16 TR.R.R.R.MNT-4954-485 11/30/16 C. Chirlo 1,322.64 136223 11/30/16 TR.R.R.R.MNT-2064-60 C. Chirlo 1,322.64 136223 11 | | | Vendor# | Nome / | |
|--|---|----------|---|--|------------|
| ### ACH002260 11/15/16 MESAWA 9001 September 2016 Credit for Local Resources program 76,070.72 ***Total *** 11/30/16 CATALI 0013459 November 2016 WEROC radio repeater site lease 1,636.47 ***Total *** (See attached sheet for details) *** (See attached sheet for details) ***Total *** (See attached sheet for details) *** (See attached sheet for details ** (See attached sheet for details ** (See attached sheet for details ** (See attached sheet for detail | Check # | Date | | • | Net Amount |
| 136217 | Check // | | | | |
| 136217 | ACH002260 | 11/15/16 | MESAWA | Mesa Water | |
| 136217 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ,, | | September 2016 Credit for Local Resources program | 76,070.72 |
| 136224 | | | | • | 76,070.72 |
| 136224 | | | | | |
| 136224 | 136217 | 11/30/16 | CATALI | Catolina Island Conservancy | |
| 136224 | | | 0013459 | November 2016 WEROC radio repeater site lease | , |
| ## 1440-OCT16A | | | | ***Total *** | 1,636.47 |
| ## 1440-OCT16A | | | | | |
| 136226 11/30/16 TRR-RRWD-4946-4872 R. Rochelle 2,126.00 136227 11/30/16 TRR-R-MNT-4564-4485 C. Chirloc 1,322.64 136228 11/30/16 TRR-R-MNT-4693-4610 C. Atkinson 1,906.00 136230 11/30/16 TRR-R-MPT-4693-4610 C. Atkinson 1,906.00 136231 11/30/16 TRR-R-RWD-4944522 F. Farukhi 2,006.00 136232 11/30/16 TRR-R-RWD-2004-1945 S. Wu 842.00 136233 11/30/16 TRR-R-RWD-2004-1945 S. Wu 842.00 136234 11/30/16 TRR-R-RWD-2004-1945 P. Nordquist 1,758.00 136235 11/30/16 TRR-R-RWD-2067-2012 P. Nordquist 1,758.00 136236 11/30/16 TRR-R-RWD-2067-2012 P. Nordquist 1,758.00 136236 11/30/16 TRR-R-SC-4351-4277 N. Crawley 2,572.00 136237 11/30/16 TRR-R-RWD-404302 J. Wang 1,932.00 136238 11/30/16 TRR-R-RB-480-4403 J. Wang 1,932.00 136239 11/30/16 TRR-R-SC-4627-4545 R. Fitzgerald 1,742.00 136241 11/30/16 TRR-R-G-4585-4504 A. Ovendano 2,500.00 136242 11/30/16 TRR-R-FRWD-4667-4585 W. Apple 536.00 136243 11/30/16 TRR-R-RWD-4667-4585 W. Apple 536.00 136244 11/30/16 TRR-R-RWD-4704-4620 W. Apple 536.00 136245 11/30/16 TRR-R-RWD-4704-4620 W. Apple 536.00 136247 11/30/16 TRR-R-RWD-4704-4620 W. Apple 536.00 136248 11/30/16 TRR-R-RWD-4704-4620 W. Apple 536.00 136249 11/30/16 TRR-R-RWD-4704-4620 W. Apple 536.00 136241 11/30/16 TRR-R-RWD-4704-4620 W. Apple 536.00 136245 11/30/16 TRR-R-RWD-4704-4620 W. Apple 536.00 136246 11/30/16 TRR-R-RWD-4704-4620 W. Apple 536.00 136247 11/30/16 TRR-R-RWD-4704-4620 W. Apple 536.00 136248 11/30/16 TRR-R-RWD-5279-510 W. Apple 536.00 136250 11/30/16 TRR-R-RWD-5279-5205 D. Hendricks 1,326.00 136251 11/30/16 TRR-R-RWD-5279-5205 D. Hendricks 1,594.00 136252 11/30/16 TRR-R-RWD-5279-5205 O. Hendricks 1,594.00 136255 11/30/16 TRR-R-RWD-5278-5276 O. Hendricks 1,594.00 | 136224 | 11/30/16 | | | 1 201 67 |
| TURFRP | | | 4140-OCT16A | • • • • • • • | |
| TURFRP | | | | | 1,361.07 |
| 136226 | | | | (See attached sheet for details) | |
| 136227 11/30/16 TR7-R-MNT-4564-4485 C. Chirico 1,322.64 136228 11/30/16 TR8-R-MNT-7280-7207 T. Lange 1,217.92 136230 11/30/16 TR7-R-NWPT-4693-4610 C. Aktinson 1,906.00 136231 11/30/16 TR7-R-NWPT-4693-4610 C. Aktinson 1,906.00 136231 11/30/16 TR7-R-RWD-2004-1945 S. Wu 842.00 136232 11/30/16 TR7-R-IRWD-2004-1945 S. Wu 842.00 136233 11/30/16 TR7-R-IRWD-2007-2012 P. Nordquist 1,758.00 136234 11/30/16 TR7-R-SC-4351-4277 N. Crawley 2,572.00 136235 11/30/16 TR7-R-SC-4627-4545 R. Crawley 2,572.00 136238 11/30/16 TR7-R-SC-4627-4545 R. Fitzgerald 1,742.00 136239 11/30/16 TR7-R-TUST-4611-4331 A. Avendano 2,500.00 136241 11/30/16 TR7-R-TUST-4643-4503 Sunhollow HOA (San Juan Capistrano) 18,827.00 136242 11/30/16 TR7-R-YLWD-4665-4582 | | | TURFRP | Turf Removal Program | |
| 136228 11/30/16 TR8-R-MNT-7280-7207 T. Lange 1,217.92 136229 11/30/16 TR7-R-NWFT-4693-4610 C. Atkinson 1,906.00 136230 11/30/16 TR7-R-BP-4404-4322 F. Farukhi 2,006.00 136231 11/30/16 TR7-R-BP-4404-4322 F. Farukhi 3,102.00 136232 11/30/16 TR7-R-IRWD-2004-1945 S. Wu 842.00 136233 11/30/16 TR7-R-IRWD-2067-2012 D. Bartlett 2,124.00 136234 11/30/16 TR7-R-IRWD-2067-2012 P. Nordquist 1,758.00 136235 11/30/16 TR7-R-IRWD-2067-2012 P. Nordquist 1,758.00 136236 11/30/16 TR7-R-SC-4451-4277 N. Crawley 2,572.00 136237 11/30/16 TR7-R-SC-4452-4545 R. Fitzgerald 1,742.00 136238 11/30/16 TR7-R-SC-4667-4545 R. Fitzgerald 1,742.00 136240 11/30/16 TR7-R-C-SIC-4648-4503 Sunhollow HOA (San Juan Capistrano) 18,827.00 136241 11/30/16 TR7-R-RIWD-4704-4650 </th <th>136226</th> <th>11/30/16</th> <th>TR8-R-IRWD-4946-4872</th> <th>R. Rochelle</th> <th>2,126.00</th> | 136226 | 11/30/16 | TR8-R-IRWD-4946-4872 | R. Rochelle | 2,126.00 |
| 136229 11/30/16 TR7-R-NWPT-4693-4610 C. Atkinson 1,906.00 136230 11/30/16 TR7-R-BP-4404-4322 F. Farukhi 2,006.00 136231 11/30/16 TR7-C-MESA-11016-600 San Michel HOA (Costa Mesa) 3,102.00 136232 11/30/16 TR7-R-IRWD-2004-1945 S. Wu 842.00 136233 11/30/16 TR7-R-IRWD-2012-2012 P. Nordquist 1,758.00 136234 11/30/16 TR7-R-NNT-24927-25321 E. Oakes 864.00 136235 11/30/16 TR7-R-SC-4351-4277 N. Crawley 2,572.00 136237 11/30/16 TR7-R-SC-4354-54 R. Fitzgerald 1,742.00 136239 11/30/16 TR7-R-TUST-4411-4331 A. Avendano 2,502.00 136240 11/30/16 TR7-C-SJC-4463-4503 Sunhollow HOA (San Juan Capistrano) 18,827.00 136241 11/30/16 TR7-R-PLWD-4665-4582 E. Urbano 6,000.00 136243 11/30/16 TR7-R-IRWD-4065-4582 E. Urbano 6,000.00 136245 11/30/16 TR8-R-IRWD-667-4585 W. Apple 56.00 136247 11/30/1 | 136227 | 11/30/16 | TR7-R-MNT-4564-4485 | C. Chirico | 1,322.64 |
| 136230 11/30/16 TR7-R-BP-4404-4322 F. Farukhi 2,006.00 136231 11/30/16 TR7-C-MESA-11016-600 San Michel HOA (Costa Mesa) 3,102.00 136232 11/30/16 TR7-R-IRWD-2004-1942 D. Bartlett 2,124.00 136233 11/30/16 TR7-R-IRWD-2067-2012 P. Nordquist 1,758.00 136234 11/30/16 TR7-R-IRWD-2067-2012 P. Nordquist 1,758.00 136235 11/30/16 TR7-R-IRWD-2067-2012 P. Nordquist 1,758.00 136236 11/30/16 TR7-R-IRWD-24927-25321 E. Oakes 864.00 136237 11/30/16 TR7-R-R-BP-4480-4403 J. Wang 1,932.00 136238 11/30/16 TR7-R-SC-4627-4545 R. Fitzgerald 1,742.00 136249 11/30/16 TR7-R-T-C-SIC-4643-4503 Sunhollow HOA (San Juan Capistrano) 18,827.00 136241 11/30/16 TR7-R-FLWD-4665-4582 E. Urbano 6,000.00 136243 11/30/16 TR7-R-IRWD-4704-4620 J. Malek 3,847.67 136245 11/30/16 TR8-R-IRWD-5222-5152 Fairbanks Business Park (Irvine) 15,267.00 | 136228 | 11/30/16 | TR8-R-MNT-7280-7207 | T. Lange | |
| 136231 11/30/16 TR7-C-MESA-11016-600 San Michel HOA (Costa Mesa) 3,102.00 136232 11/30/16 TR7-R-IRWD-2004-1945 S. Wu 842.00 136233 11/30/16 TR7-R-IRWD-2067-2012 D. Bartlett 2,124.00 136234 11/30/16 TR7-R-IRWD-2067-2012 P. Nordquist 1,758.00 136235 11/30/16 TR7-R-SC-4351-4277 N. Crawley 2,572.00 136237 11/30/16 TR7-R-SC-4451-4277 N. Crawley 2,572.00 136238 11/30/16 TR7-R-SC-44627-4545 R. Fitzgerald 1,742.00 136239 11/30/16 TR7-R-TUST-44411-4331 A. Avendano 2,500.00 136240 11/30/16 TR7-R-GG-4585-4504 A. Dao 4,242.00 136241 11/30/16 TR7-R-LYUD-4665-4585 Costco (San Juan Capistrano) 21,921.00 136243 11/30/16 TRR-R-IRWD-4704-4620 J. Malek 3,847.67 136245 11/30/16 TRR-B-IRWD-622-5152 Fairbanks Business Park (Irvine) 15,267.00 136249 11/30/16 | 136229 | 11/30/16 | TR7-R-NWPT-4693-4610 | C. Atkinson | 1,906.00 |
| 136232 11/30/16 TR7-R-IRWD-2004-1945 S. Wu 842.00 136233 11/30/16 TR7-R-IRWD-4215-4142 D. Bartlett 2,124.00 136234 11/30/16 TR7-R-IRWD-2067-2012 P. Nordquist 1,758.00 136235 11/30/16 TR7-MNT-24927-25321 E. Oakes 864.00 136236 11/30/16 TR7-R-SC-4351-4277 N. Crawley 2,572.00 136237 11/30/16 TR7-R-SC-4627-4545 R. Fitzgerald 1,742.00 136238 11/30/16 TR7-R-SC-4643-4503 Sunhollow HOA (San Juan Capistrano) 2,500.00 136240 11/30/16 TR7-C-SJC-4664-34503 Sunhollow HOA (San Juan Capistrano) 18,827.00 136241 11/30/16 TR7-C-SJC-4667-4585 Costco (San Juan Capistrano) 21,921.00 136242 11/30/16 TR7-R-IRWD-4667-4585 W. Apple 536.00 136243 11/30/16 TR8-R-IRWD-4667-4585 W. Apple 536.00 136245 11/30/16 TR8-C-IRWD-5222-5152 Fairbanks Business Park (Irvine) 15,267.00 136249 11/30/16 TR7-B-10632-6623 G. Miyoshi 1,326.00 | 13623 0 | 11/30/16 | TR7-R-BP-4404-4322 | F. Farukhi | |
| 136233 11/30/16 TR7-R-IRWD-4215-4142 D. Bartlett 2,124.00 136234 11/30/16 TR7-R-IRWD-2067-2012 P. Nordquist 1,758.00 136235 11/30/16 TR7-R-IRWD-2067-2032 E. Oakes 864.00 136236 11/30/16 TR7-R-SC-4351-4277 N. Crawley 2,572.00 136237 11/30/16 TR7-R-BP-4480-4403 J. Wang 1,932.00 136238 11/30/16 TR7-R-SC-4627-4545 R. Fitzgerald 1,742.00 136240 11/30/16 TR7-C-SJC-4463-4503 Sunhollow HOA (San Juan Capistrano) 18,827.00 136241 11/30/16 TR7-C-SJC-4467-4565 Costco (San Juan Capistrano) 21,921.00 136242 11/30/16 TR7-C-YLWD-4665-4582 E. Urbano 6,000.00 136243 11/30/16 TR7-R-YLWD-4667-4585 W. Apple 336.00 136245 11/30/16 TR7-R-P-HOND-5222-5152 Fairbanks Business Park (Irvine) 15,267.00 136247 11/30/16 TR7-B-10632-6623 G. Miyoshi 1,286.00 136249 11/30/16 | 136231 | 11/30/16 | TR7-C-MESA-11016-600 | San Michel HOA (Costa Mesa) | |
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| 136237 11/30/16 TR7-R-BP-4480-4403 J. Wang 1,932.00 136238 11/30/16 TR7-R-SC-4627-4545 R. Fitzgerald 1,742.00 136239 11/30/16 TR7-R-TUST-4411-4331 A. Avendano 2,500.00 136240 11/30/16 TR7-C-SJC-4463-4503 Sunhollow HOA (San Juan Capistrano) 18,827.00 136241 11/30/16 TR7-R-GG-4585-4504 A. Dao 4,242.00 136242 11/30/16 TR7-C-SJC-4647-4565 Costco (San Juan Capistrano) 21,921.00 136243 11/30/16 TR7-R-YLWD-4665-4582 E. Urbano 6,000.00 136244 11/30/16 TRR-R-IRWD-4667-4585 W. Apple 536.00 136245 11/30/16 TR7-R-IRWD-4704-4620 J. Malek 3,847.67 136246 11/30/16 TRR-B-10632-6623 G. Miyoshi 1,822.00 136247 11/30/16 TR7-BP-10632-6623 G. Miyoshi 1,822.00 136249 11/30/16 TR7-BR-MNT-7322-7273 Z. Safavi 2,246.50 136250 11/30/16 TR8-R-MNT-7762-7715 S. McGill 1,842.00 136251 11/30/16 | 136235 | 11/30/16 | TR7-MNT-24927-25321 | | |
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| 136240 11/30/16 TR7-C-SJC-4463-4503 Sunhollow HOA (San Juan Capistrano) 18,827.00 136241 11/30/16 TR7-R-GG-4585-4504 A. Dao 4,242.00 136242 11/30/16 TR7-C-SJC-4647-4565 Costco (San Juan Capistrano) 21,921.00 136243 11/30/16 TR7-R-YLWD-4665-4582 E. Urbano 6,000.00 136244 11/30/16 TR8-R-IRWD-4667-4585 W. Apple 536.00 136245 11/30/16 TR7-R-IRWD-4704-4620 J. Malek 3,847.67 136246 11/30/16 TR8-C-IRWD-5222-5152 Fairbanks Business Park (Irvine) 15,267.00 136247 11/30/16 TR7-BP-10632-6623 G. Miyoshi 1,822.00 136248 11/30/16 TR7-HB-10655-6521 A. Soto 1,326.00 136249 11/30/16 TR7-SC-10683-2128 M. Castle 1,288.00 136250 11/30/16 TR8-R-MNT-7322-7273 Z. Safavi 2,246.50 136251 11/30/16 TR9-R-MNT-7762-7715 S. McGill 1,842.00 136253 11/30/16 TR8-R-IRWD-6279-6205 D. Hendricks 1,594.00 136254 | | | | | |
| 136241 11/30/16 TR7-R-GG-4585-4504 A. Dao 4,242.00 136242 11/30/16 TR7-C-SJC-4647-4565 Costco (San Juan Capistrano) 21,921.00 136243 11/30/16 TR7-R-YLWD-4665-4582 E. Urbano 6,000.00 136244 11/30/16 TR8-R-IRWD-4667-4585 W. Apple 536.00 136245 11/30/16 TR7-R-IRWD-4704-4620 J. Malek 3,847.67 136246 11/30/16 TR8-C-IRWD-5222-5152 Fairbanks Business Park (Irvine) 15,267.00 136247 11/30/16 TR7-BP-10632-6623 G. Miyoshi 1,822.00 136248 11/30/16 TR7-HB-10655-6521 A. Soto 1,326.00 136249 11/30/16 TR7-SC-10683-2128 M. Castle 1,288.00 136250 11/30/16 TR8-R-MNT-7322-7273 Z. Safavi 2,246.50 136251 11/30/16 TR9-R-MNT-7762-7715 S. McGill 1,842.00 136252 11/30/16 TR8-R-IRWD-6279-6205 D. Hendricks 1,594.00 136254 11/30/16 TR8-R-IRWD-5245-5176 N. Nester 1,012.41 136255 11/30/16 | | | | | |
| 136242 11/30/16 TR7-C-SJC-4647-4565 Costco (San Juan Capistrano) 21,921.00 136243 11/30/16 TR7-R-YLWD-4665-4582 E. Urbano 6,000.00 136244 11/30/16 TR8-R-IRWD-4667-4585 W. Apple 536.00 136245 11/30/16 TR7-R-IRWD-4704-4620 J. Malek 3,847.67 136246 11/30/16 TR8-C-IRWD-5222-5152 Fairbanks Business Park (Irvine) 15,267.00 136247 11/30/16 TR7-BP-10632-6623 G. Miyoshi 1,822.00 136248 11/30/16 TR7-HB-10655-6521 A. Soto 1,326.00 136249 11/30/16 TR7-SC-10683-2128 M. Castle 1,288.00 136250 11/30/16 TR8-R-MNT-7322-7273 Z. Safavi 2,246.50 136251 11/30/16 TR7-SM-10691-11 S. Pope 598.00 136252 11/30/16 TR8-R-IRWD-6279-6205 D. Hendricks 1,594.00 136253 11/30/16 TR8-R-IRWD-5245-5176 N. Nester 1,012.41 136255 11/30/16 TR8-R-IRWD-7316-7256 A. Fong 822.00 136256 11/30/16 T | | | | | |
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| 136244 11/30/16 TR8-R-IRWD-4667-4585 W. Apple 536.00 136245 11/30/16 TR7-R-IRWD-4704-4620 J. Malek 3,847.67 136246 11/30/16 TR8-C-IRWD-5222-5152 Fairbanks Business Park (Irvine) 15,267.00 136247 11/30/16 TR7-BP-10632-6623 G. Miyoshi 1,822.00 136248 11/30/16 TR7-HB-10655-6521 A. Soto 1,326.00 136249 11/30/16 TR7-SC-10683-2128 M. Castle 1,288.00 136250 11/30/16 TR8-R-MNT-7322-7273 Z. Safavi 2,246.50 136251 11/30/16 TR7-SM-10691-11 S. Pope 598.00 136252 11/30/16 TR9-R-MNT-7762-7715 S. McGill 1,842.00 136253 11/30/16 TR8-R-IRWD-6279-6205 D. Hendricks 1,594.00 136254 11/30/16 TR8-R-IRWD-5245-5176 N. Nester 1,012.41 136255 11/30/16 TR8-R-IRWD-7316-7256 A. Fong 822.00 136256 11/30/16 TR8-R-MNT-7308-7248 G. Hines 3,031.50 | | | | | |
| 136245 11/30/16 TR7-R-IRWD-4704-4620 J. Malek 3,847.67 136246 11/30/16 TR8-C-IRWD-5222-5152 Fairbanks Business Park (Irvine) 15,267.00 136247 11/30/16 TR7-BP-10632-6623 G. Miyoshi 1,822.00 136248 11/30/16 TR7-HB-10655-6521 A. Soto 1,326.00 136249 11/30/16 TR7-SC-10683-2128 M. Castle 1,288.00 136250 11/30/16 TR8-R-MNT-7322-7273 Z. Safavi 2,246.50 136251 11/30/16 TR7-SM-10691-11 S. Pope 598.00 136252 11/30/16 TR9-R-MNT-7762-7715 S. McGill 1,842.00 136253 11/30/16 TR8-R-IRWD-6279-6205 D. Hendricks 1,594.00 136254 11/30/16 TR8-R-IRWD-5245-5176 N. Nester 1,012.41 136255 11/30/16 TR8-R-IRWD-7316-7256 A. Fong 822.00 136256 11/30/16 TR8-R-MNT-7308-7248 G. Hines 3,031.50 | | | | | |
| 136246 11/30/16 TR8-C-IRWD-5222-5152 Fairbanks Business Park (Irvine) 15,267.00 136247 11/30/16 TR7-BP-10632-6623 G. Miyoshi 1,822.00 136248 11/30/16 TR7-HB-10655-6521 A. Soto 1,326.00 136249 11/30/16 TR7-SC-10683-2128 M. Castle 1,288.00 136250 11/30/16 TR8-R-MNT-7322-7273 Z. Safavi 2,246.50 136251 11/30/16 TR7-SM-10691-11 S. Pope 598.00 136252 11/30/16 TR9-R-MNT-7762-7715 S. McGill 1,842.00 136253 11/30/16 TR8-R-IRWD-6279-6205 D. Hendricks 1,594.00 136254 11/30/16 TR8-R-IRWD-7316-7256 A. Fong 822.00 136255 11/30/16 TR8-R-IRWD-7316-7256 A. Fong 822.00 136256 11/30/16 TR8-R-MNT-7308-7248 G. Hines 3,031.50 | | | | | |
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| 136248 11/30/16 TR7-HB-10655-6521 A. Soto 1,326.00 136249 11/30/16 TR7-SC-10683-2128 M. Castle 1,288.00 136250 11/30/16 TR8-R-MNT-7322-7273 Z. Safavi 2,246.50 136251 11/30/16 TR7-SM-10691-11 S. Pope 598.00 136252 11/30/16 TR9-R-MNT-7762-7715 S. McGill 1,842.00 136253 11/30/16 TR8-R-IRWD-6279-6205 D. Hendricks 1,594.00 136254 11/30/16 TR8-R-IRWD-5245-5176 N. Nester 1,012.41 136255 11/30/16 TR8-R-IRWD-7316-7256 A. Fong 822.00 136256 11/30/16 TR8-R-MNT-7308-7248 G. Hines 3,031.50 | | | | | |
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| 136255 11/30/16 TR8-R-IRWD-7316-7256 A. Fong 822.00 136256 11/30/16 TR8-R-MNT-7308-7248 G. Hines 3,031.50 | | | | | |
| 136256 11/30/16 TR8-R-MNT-7308-7248 G. Hines 3,031.50 | | | | | · · |
| 200100 | | | | • | |
| | 150250 | 12,30,20 | ,,,5 ,, ,,,,, ,,,,,,,,,,,,,,,,,,,,,,,,, | ***Total *** | 112,237.64 |

| Check # | Date | Vendor # Invoice/CM # | Name / Description | Net Amount |
|-------------|----------|--------------------------|--|---------------|
| ACH002278 | 11/30/16 | SANTAM | Santa Margarita Water District | |
| | | SEP2016 | September 2016 SCP Operation Surcharge | 28,297.89 |
| | | | ***Total *** | 28,297.89 |
| WIRE-113016 | 11/30/16 | METWAT | Metropolitan Water District | |
| | | 8820 | September 2016 Water deliveries | 16,678,539.09 |
| | | | ***Total *** | 16,678,539.09 |
| | | | Total Other Funds Disbursements | 16,899,297.92 |
| | | | Total Disbursements | 16,922,138.82 |

Robert J. Hunter, General Manager

Hilary Chumpitazi, Treasurer

Cal Card Statement Detail

Statement Date: October 24, 2016 Payment Date: November 30, 2016

| Date | Description | Amount |
|----------------|--|------------|
| K. Seckel Card | | |
| 09/21/16 | Staff development lunch \$ | 215.99 |
| 09/22/16 | Lunch for Orange County Water Association Human Resources meeting | 310.40 |
| 09/22/16 | Computer supplies | 27.98 |
| 09/22/16 | Colorado River Water Users Association Annual conference in Las Vegas, NV from Dec. 14-16, 2016 - Registration for Director Barbre | 475.00 |
| 09/22/16 | Lunch for meeting with Boy Scouts for Water Conservation Merit badge | 91.99 |
| 09/22/16 | Colorado River Water Users Association Annual conference in Las Vegas, NV from Dec. 14-16, 2016 - Accommodations for Director Barbre | 605.44 |
| 09/22/16 | Water Smart Innovations conference in Las Vegas, NV from Oct. 5-7, 2016 - Airfare change for J. Berg | 108.00 |
| 09/23/16 | 3 Toner cartridges | 92.74 |
| 09/24/16 | Computer supplies | 71.54 |
| 09/26/16 | UPS delivery charges for Board packets on Sep. 16, 2016 | 61.13 |
| 09/26/16 | MET Directors' lunch - Charged in error by Corner Bakery | 261.71 1 |
| 09/26/16 | MET Directors' lunch | 195.03 |
| 09/27/16 | California Council for Environmental & Economic Balance meeting in San Francisco, CA on Oct. 7, 2016 - Airfare for R. Hunter | 370.96 |
| 09/27/16 | California Council for Environmental & Economic Balance meeting in San Francisco, CA on Oct. 7, 2016 - Airfare for Director Tamaribuchi | 370.96 |
| 09/28/16 | Government Jobs employment ad for Water Use Efficiency Program Specialist position | 175.00 |
| 09/28/16 | Office supplies from Costco | 347.59 |
| 09/28/16 | Lunch for Orange County MET Managers' meeting | 167.18 |
| 09/29/16 | American Water Works Association California-Nevada Section conference in San Diego, CA from Oct. 24-27, 2016 - Accommodations for J. Berg | 536.88 |
| 09/30/16 | Breakfast for WEROC training | 174.28 |
| 09/30/16 | California Special Districts Association conference in San Diego, CA from Oct. 11-13, 2016 - Accommodations for H. Baez | 611.70 |
| 09/30/16 | Facebook posts for Coastal Cleanup Day event | 5.00 |
| 10/03/16 | Office supplies from Costco refunded | (14.43) |
| 10/03/16 | UPS delivery charges for Board packets on Sep. 28, 2016 | 61.95 |
| 10/03/16 | Legislative activities in Washington, DC from Feb. 8-10, 2017 - Airfare for Director Barbre | 936.20 2 |
| 10/03/16 | Legislative activities in Washington, DC from Feb. 28- Mar. 2, 2017 - Airfare for Director Barbre | 1,009.20 3 |

Cal Card Statement Detail

Statement Date: October 24, 2016 Payment Date: November 30, 2016

| Date | Description | Amount |
|----------|--|----------|
| 10/04/16 | 3 Toner cartridges | 204.00 |
| 10/04/16 | California Urban Water Conservation Council meeting in Sacramento, | 333.96 |
| 10/04/10 | CA on Oct. 20, 2016 - Airfare for J. Berg | 000.00 |
| 10/05/16 | The Sacramento Bee subscription Jun. 28-Sep. 26, 2016 | 38.54 |
| 10/05/16 | Brown and Caldwell employment ad for Administrative Assistant | 200.00 |
| 10/00/10 | position | 200.00 |
| 10/05/16 | Dropbox annual subscription for secure file sharing and storage | 99.00 |
| 10/05/16 | Water Districts Jobs employment ad for Administrative Assistant position | 145.00 |
| 10/05/16 | Water Districts Jobs employment ad for Director of Public of Affairs | 175.00 |
| 10/03/10 | position | 170.00 |
| 10/06/16 | Government Finance Officers Association Annual Governmental | 135.00 |
| | GAAP Update webinar on Nov. 3, 2016 - Registration for H. Chumpitazi | |
| 10/06/16 | Legislative activities in Washington, DC from Nov. 16-18, 2016 - | 810.30 |
| | Airfare for H. Baez | |
| 10/07/16 | Association of California Cities-Orange County Advocacy trip in | 652.00 |
| | Sacramento, CA from Mar. 13-14, 2017 - Registration for H. Baez | |
| 10/08/16 | Labor to move office furniture during office refurbishment | 189.00 |
| 10/08/16 | California Emergency Services Association Annual Training and | 92.47 |
| | Conference in San Diego, CA from Oct. 4-7, 2016 - Balance for | |
| | accommodations for K. Hubbard | |
| 10/10/16 | UPS delivery charges for Board packets on Sep. 30, 2016 | 66.72 |
| 10/11/16 | California Society of Municipal Finance Officers meeting in Irvine, CA | 60.00 |
| | on Oct. 20, 2016 - Registration for H. Chumpitazi and L. Gunawan | |
| 10/12/16 | Flowers for staff member | 62.62 |
| 10/12/16 | Water Smart Innovations conference in Las Vegas, NV from Oct. | (89.60) |
| | 5-7, 2016 - Accommodations for J. Berg refunded | |
| 10/14/16 | Water Districts Jobs employment ad for Director of Public of Affairs | 175.00 |
| | position | |
| 10/14/16 | Orange County Business Council Election Day lunch in Anaheim, CA | 85.00 |
| | on Nov. 8, 2016 - Registration for H. Baez | |
| 10/14/16 | 2 Freedom task chairs | 1,197.99 |
| 10/17/16 | Food for Staff development meeting | 29.98 |
| 10/17/16 | UPS delivery charges for Board packets on Oct. 7, 2016 | 56.02 |
| 10/18/16 | ACWA Fall conference in Anaheim, CA on Nov. 30, 2016 - | 300.00 |
| | Registration for C. Busslinger | |
| 10/20/16 | Lunch for Managers' meeting | 460.30 |
| 10/20/16 | Brown and Caldwell employment ad for Emergency Programs | 200.00 |
| | Coordinator position | |
| 10/21/16 | State Lands Commission permit for Doheny Ocean Desal project | 3,025.00 |
| 10/21/16 | Table and linens rental for Director Hinman's retirement brunch | 341.74 |
| 10/21/16 | Lunch for Records Management training | 148.50 |
| | | |

Cal Card Statement Detail Statement Date: October 24, 2016 Payment Date: November 30, 2016

| Date | Description | Amount |
|----------|--|-----------------|
| 10/21/16 | 10/21/16-10/21/17 Prezi presentation software subscription | 59.00 |
| 10/21/16 | International Association of Emergency Managers Annual conference in Savannah, GA from Oct. 15-20, 2016 - Accommodations for K. Hubbar | 1,071.49 4 d |
| 10/22/16 | Legislative activities in Washington, DC from Nov. 16-18, 2016 - Accommodations deposit for Director Barbre | 520.98 |
| | Total | 18,114.43 |

- 1 Corner Bakery to credit MWDOC for erroneous charge
- 2 Director Barbre to reimburse MWDOC for \$301.00
- 3 Director Barbre to reimburse MWDOC for \$249.00
- 4 K. Hubbard reimbursed MWDOC for \$11.00

R. Hunter Card

| | Total | 1,241.69 |
|-------------------|--|----------|
| | transportation and parking for R. Hunter | |
| | conference in Scottsdale, AZ from Oct. 16-18, 2016 - Accommodations, | |
| 10/16/16 | Association of Metropolitan Water Agencies Executive Management | 507.99 |
| 10/12/16 | Lunch for Coastkeepers meeting | 54.25 |
| | in San Francisco, CA on Oct. 7, 2016 - Parking for R. Hunter | |
| 10/07/16 | California Council for Environmental & Economic Balance meeting | 20.00 |
| 10/04/16 | Retirement gift for Director Hinman | 450.00 1 |
| | M. Goldsby | 450.00 🗔 |
| 10/04/16 | Excel 2016 Tips, Tricks & Techniques class - Registration for | 19.00 |
| 3 0/20/10 | | 19.00 |
| 09/29/16 | Lunch for California Water Fix workgroup meeting | 97.18 |
| 09/22/16-10/24/16 | Meals for R. Hunter's meetings | 93.27 |

^{[1] \$160.00} was refunded to MWDOC on 11/3/16 for misquoted size

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

| Check # | Date | Vendor# Invaice/CM# | Name / Description | Net Amount |
|------------|-------------|------------------------|--|------------------|
| Core Disbu | ursements | : | | |
| 136190 | 11/15/16 | AYALAS | Sam Ayala | |
| | | 110416 | November 2016 Atrium landscape maintenance ***Total *** | 135.00 135.00 |
| 136210 | 11/21/16 | OCCHOR | OCC Horticulture Account | |
| | | 2016ORDER | 8 Poinsettias for office | 104.00 |
| | | | ***Total *** | 104.00 |
| 136211 | 11/21/16 | ACWA | ACWA | |
| | | ACWA 11-30-16 | 2016 Fall conference registration for Director Yoo | 380.00 |
| | | | Schneider | |
| | | | ***Total *** | 380.00 |
| 136212 | 11/29/16 | ACWA | ACWA | |
| | | 2016FALL | 2016 Fall conference registration for M. Baum-Haley | 325.00 |
| | | | ***Total *** | 325.00 |
| 136222 | 11/30/16 | STAFFI | Staffing Network, LLC | |
| | | 95685495 | 10/24/16-10/30/16 Temporary help for Administration | 994.50 |
| | | 95685992 | 10/31/16-11/6/16 Temporary help for Administration | 848.64 |
| | | | ***Total *** | 1,843.14 |
| | | | Total Core Disbursements | 2,787.14 |
| Choice Dis | bursemen | its: | | |
| 136184 | 11/3/16 | PARKSR | State of California | |
| | , -, | 010616 | February 2016-January 2017 Lease for Doheny Ocean Desal project | 25,200.00 |
| | | | ***Total *** | 25,200.00 |
| | | | Total Choice Disbursements | 25,200.00 |

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

| Check # | Date | Vendor # Invoice/CM # | Name / Description | Net Amount |
|-----------|------------|--------------------------|--|--------------|
| Other Fun | ds Disburs | ements: | | |
| 136201 | 11/15/16 | OCWD 110816 | Orange County Water District October 2015-August 2016 MET Groundwater Storage Program (CUP) Fund | 3,117,524.80 |
| | | | ***Total *** | 3,117,524.80 |
| | | | Total Other Funds Disbursements | 3,117,524.80 |
| | | | Total Disbursements | 3,145,511.94 |

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.

unicipal Water District of Orange County
WATER USE EFFICIENCY PROJECTS
Cash Flow as of 11/30/16

| | | 2010 KNW | 2000 | 007170 | 200 | 207 700 | | | Mar 2017 | ADI 2017 | May 2017 | Jun 2017 | OIALS |
|------------------------------------|----------------------|-------------------|--------------|--|-----------------|---------|---|------------|---|----------------|---|-------------|--------------|
| Cash - Beginning Balance | \$ (2,257,237.25) \$ | (3,224,747.37) \$ | | (400,006.46) \$ | (100,015.28) | | (95,713.95) \$ | 713.95) \$ | (95,713.95) \$ | (95,713.95) \$ | (95,713.95) \$ | (95,713.95) | |
| REVENUES: | | | | | | | | | | | | | |
| BUREC | ! | | | 36,748.36 | | | | | | | | 49 | 36 |
| City of Brea | 339.97 | | 144.99 | 0000 | 294.99 | | | | | | | | 779.95 |
| City of Duetia Fain | 332.10 | | 8 | 00.222 | 8 | | | | | | | | 01.077 |
| City of Fullerton | | 75.00 | | | | | | | | | | | 75.00 |
| City of Garden Grove | | 000 | 222.00 | 00:999 | | | *************************************** | | *************************************** | | | | 888.00 |
| City of Huntington Beach | 640.85 | 49.99 | 519.99 | 117.96 | 557.99 | | | | | | | | 1,886.78 |
| City of La Habra | 111.00 | | 111.00 | | | | | | | | | | 222.00 |
| City of San Clemente | | 111.00 | | | 1,110.00 | | | | | | | | 1,221.00 |
| City of San Juan Capistrano | 111.00 | | 111.00 | 402.70 | 424.88 | | | | | | | | 1,049.58 |
| City of Santa Ana | | | | | | | | | | | | | |
| City of Tustin | 11,583.00 | 25,459.59 | | | | | | | | | | | 37,042.59 |
| City of Newport Beach | | 450.00 | 238.99 | | 375.99 | | | | | | | | 1,064.98 |
| City of Orange | 2,869.43 | | 333.00 | 291.00 | | | | | | | | | 3,493.43 |
| City of Westminster | | | | 0 | | | | | | | | | |
| County of Orange | | | | 25,297.04 | | | | | | | | | 25,297.04 |
| Department of Water Resources | | 40,479.67 | | | | | | | | | | | 40,479.67 |
| East Orange County Water District | 75.00 | 75.00 | 75.00 | 2 552 00 | 366 00 | | | | | | | | 2 1/3 00 |
| El 100 Water District | 00:0 | 00.0 | 00.0 | 2,002.00 | 66,000 | | | | | | *************************************** | | 0,140.0 |
| Golden State Water Company | 1 980 00 | | 75.00 | 20 00 | | | | | | | | | 2 105 00 |
| Irvine Ranch Water District | 93.764.10 | 542.331.88 | 132 095 59 | 309.490.34 | 45 597 19 | | | | | | | | 1 123 279 10 |
| Laguna Beach County Water District | 1,110,00 | 1.041.00 | | 396.00 | | | | | | | | | 2.547.00 |
| esa Water District | 1,127.37 | | 80.00 | 209.99 | 149.99 | | | | | | | | 1,567.35 |
| etropolitan Water District | | | 1,934,765.85 | 28,195.82 | | | | | | | | | 1,962,961.67 |
| Moulton Niguel Water District | 459,396.32 | 683,295.61 | 17,279.42 | 102,026.49 | 96,834.06 | | | | | | | | 1,358,831.90 |
| MWDOC | | | | | | | | | | | | | |
| Santa Margarita Water District | 6,821.55 | 3,703.49 | 10,737.34 | 8,062.96 | | | | | | | | | 29,325.34 |
| Serrano Water District | 75.00 | | | | | | | | | | | | 75.00 |
| South Coast Water District | | | | | | | | | | | | | 1 |
| Trabuco Canyon Water District | 475.00 | 150.00 | 200:00 | 100:00 | 100:00 | | | | | | | | 1,025.00 |
| Yorba Linda Water District | | | | | | | | | | | | | |
| Miscellaneous Revenues | | | | | | | | | | | | | |
| Miscellaneous | | 103.68 | | 884.00 | | | | | | | | | 987.68 |
| merest Revenue | 00 440 | 4 0007 000 04 | 14004 | 00 045 | 447 | | | | | | | | - 020 000 4 |
| lotal Kevenues | 980,811.69 | 1,297,325.91 | 2,097,100.17 | 515,712.66 | 145,923.08 | | | <u>'</u> | <u> </u> | <u> </u> | | - | 4,636,873.5 |
| ENDITORES: | | | | | | | ŀ | | | | - | | |
| Aquaricient | 5,400.00 | | | | | | | | | | | A | 5,400.00 |
| Autumn Print Group | | | | | 0000 | | | | | | | | , , |
| Bryton Printing | | | | 10,000 | 00.006,2 | | | | | | | | 2,500.00 |
| Conservision Consulting, LLC | | | | 28,894.25 | | | | | | | | | 28,894.25 |
| City of Newport Beach | | | | | | | | | | | | | • |
| El Toro WD | | | | | 100.00 | | | | | | | | 100.00 |
| Enterprise Information Systems | | | | | | | | | | | | | |
| Golden State Water Company | | | | | 100:00 | | | | | | | | 100.00 |
| Hotel Program | | | | | | | | | | | | | |
| Industrial Program | | | | | | | | | | | | | 1 |
| Irvine Ranch Water District | | | | | | | | | | | | | • |
| Karen's Detail Custom Frames | | | | | | | | | | | | | • |
| Laguna Beach CWD | | | | | | | | | | | | | |
| Metropolitan Water District | 229,162.49 | 111,028.73 | | | 19,364.33 | | | | | | | | 359,555.55 |
| MESA | | | | | | | | | | | | | • |
| Mission RCD | 18,300.13 | 14,225.68 | 38,367.35 | | 8,770.78 | | | | | | | | 79,663.94 |
| Public Spaces program | | | | | | | | | | | | | • |
| Santa Margarita Water District | | | | | | | | | | | | | |
| South Coast Water District | | | | | | | | | | | | | 1 |
| Spray to Drip program | | | | | 00 11 | | | | | | | | |
| Survey Gizmo | 70 004 700 4 | 00 22 00 | 00 000 344 | 00 00 00 00 00 00 00 00 00 00 00 00 00 | 07.5.00 | | | | | | | | 4 067 007 04 |
| III Nelliovai IIS Bank | 17.604,102,1 | 60.000,412 | 17.00.30 | 00,400 | † 0. – 10. – | | | | | | | | 0.160,106,1 |
| ESS CELL | | | | | | | | | | | | | |
| /atenvise Consulting | | | | | | | | | | | | | |
| Miscellaneous Expenses | | | | | | | | | | | | | |
| Interest Expense | 7,579.92 | | | 5,087.40 | | | | | | | | | 12,667.32 |
| Salary & Benefit | 390.00 | 3,510.00 | 12,111.34 | 1,885.00 | | | | | | | | | 17,896.34 |
| | | | | | | | | | | | | | |
| Total Expenditures | 1 548 321 81 | 343 419 50 | 226 265 67 | 215 721 48 | 141 621 75 |] | | | | | | | 2 475 350 2 |



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

Megan Yoo Schneider 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

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

October 31, 2016

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 | 12.96% |
| Grant & Project Cash Flow | 1,480,000 | 7.69% |
| Election Expense | 215,463 | 1.12% |
| Building Repair | 500,407 | 2.60% |
| Total Designated Reserves | 4,690,473 | 24.37% |
| General Fund | 7,410,876 | 38.50% |
| Water Fund | 6,794,691 | 35.30% |
| Conservation Fund | (100,015) | (0.52%) |
| Desalination Feasibility Study Fund | 222,385 | 1.16% |
| WEROC Fund | 211,649 | 1.10% |
| Trustee Activities | 17,303 | 0.09% |
| Total | \$19,247,362 | 100.00% |

The funds are invested as follows:

| Term of Investment | % of Portfolio | Book Value | Market Value |
|---|----------------|--------------|--------------|
| Cash | 5.20% | \$1,001,663 | \$1,001,663 |
| Short-term investment | | | |
| • LAIF | 0.82% | \$158,017 | \$158,017 |
| OCIP | 77.85% | 14,984,831 | 14,984,831 |
| Long-term investment | | | |
| Corporate Bond | 3.91% | 752,851 | 757,840 |
| Certificates of Deposit | 12.22% | 2,350,000 | 2,382,392 |
| Total | 100.00% | \$19,247,362 | \$19,284,743 |

The average number of days to maturity/call as of October 31, 2016 equaled 133 and the average yield to maturity is 0.904%. During the month, the District's average daily balance was \$28,276,275.44. 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 October 2016.

The \$37,381 difference between the book value and the market value on October 31, 2016 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

| HLE |
|--------|
| WIT |
| MORE |
| 8 |
| WATER: |

Portfolio Management - Portfolio Summary

October 31, 2016

| Negotiable Certificate Of Deposit 2,350,000.00 Corporate Bond 750,000.00 Local Agency Investment Funds 14,984,830.88 1 Orange County Investment 18,242,847.99 18, Cash 1,001,662.60 19,244,510.59 19, | | BOOK Value | POLITORIO | Mat/Call | Cost |
|---|---------------------|---------------|-----------|----------|-------|
| Agency Investment Funds 158,017.11 ge County Investment Pool 14,984,830.88 Investments 18,242,847.99 18 1,001,662.60 1,001,662.60 1,001,652.60 1,001,652.60 | 2,382,392.50 | 2,350,000.00 | 12.88 | 621 | 1.697 |
| Agency Investment Funds 158,017.11 ge County Investment Pool 14,984,830.88 1 Investments 18,242,847.99 18 1,001,662.60 1,001,662.60 1,001,662.60 1,001,662.60 | 757,840.00 | 752,850.91 | 4.11 | 1,265 | 2.238 |
| ge County Investment Pool 14,984,830.88 18 Investments 18,242,847.99 18 1,001,662.60 19 Cash and Investments 19,244,510.59 19 | 158,017.11 | 158,017.11 | 0.87 | 1 | 0.654 |
| Investments | 14,984,830.88 | 14,984,830.88 | 82.14 | 1 | 0.716 |
| 1,001,662.60 (Cash and Investments 19,244,510.59 19 | 18,283,080.49 | 18,245,698.90 | 100.00 | 133 | 0.904 |
| 19,244,510.59 | 1,001,662.60 | 1,001,662.60 | | 1 | 0.00 |
| | 19,284,743.09 | 19,247,361.50 | | 133 | 0.904 |
| Total Earnings Month Ending October Fiscal | Fiscal Year to Date | | | | |
| Current Year 19,472.60 | 70,853.83 | | | | |
| Average Daily Balance 28,276,275.44 Effective Rate of Return 0.904% | | | | | |

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, General Manager

they hundram Hilary Chumpitazi, Treasurer

Page 22 of 68

Date

12/4/2016

Date

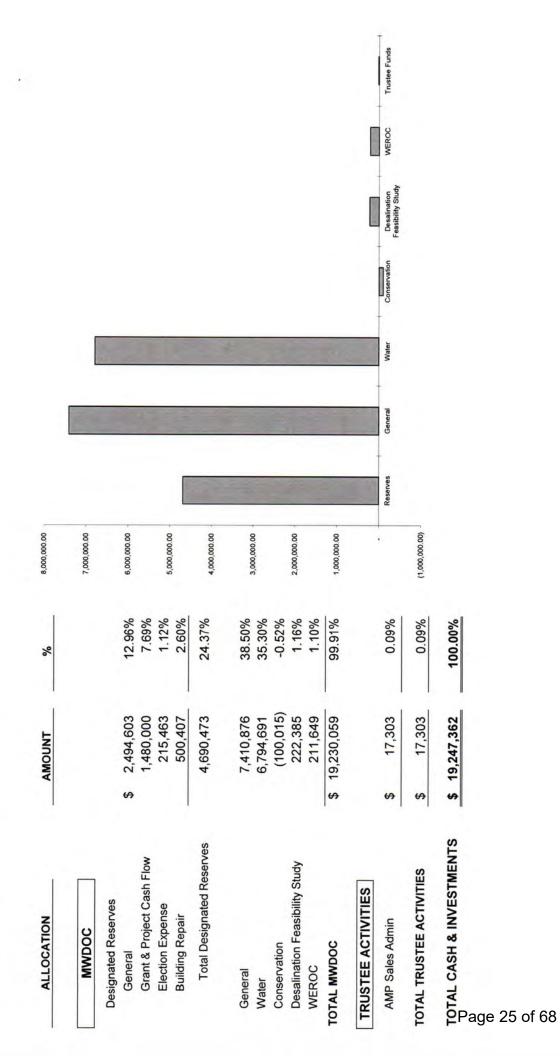
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY Portfolio Management Long-Term Portfolio Details - Investments October 31, 2016

| Issuer | CUSIP/Ticker | Settlement Date | Par Value | Market Value | Book Value | Coupon Rate | YTM @ Cost | Days To Call/Maturity | Maturity Date |
|-----------------------------------|--------------|--------------------|------------------------|--------------|---------------------|-------------|---------------|--------------------------|---------------|
| Negotiable Certificate Of Deposit | | | 0 | | | | | | |
| Ally Bank | 02006LFV0 | 7/23/2014 | 250,000.00 | 250,925.00 | 250,000.00 | 1.150 | 1.150 | 266 | 3 7/24/2017 |
| American Express Bank | 02587CEA4 | 7/29/2015 | 250,000.00 | 252,000.00 | 250,000.00 | 1.450 | 1.450 | 455 | 1/29/2018 |
| Barclays Bank | 06740KJP3 | 9/24/2015 | 250,000.00 | 256,670.00 | 250,000.00 | 1.900 | 1.900 | 1,057 | 9/23/2019 |
| Capital One Bank | 140420TY6 | 8/5/2015 | 250,000.00 | 252,990.00 | 250,000.00 | 1.700 | 1.700 | 644 | 8/6/2018 |
| Capital One Natl Assn | 14042E6C9 | 9/2/2015 | 250,000.00 | 256,932.50 | 250,000.00 | 1.950 | 1.950 | 1,037 | 9/3/2019 |
| Discover Bank | 2546712Y5 | 7/23/2014 | 250,000.00 | 252,832.50 | 250,000.00 | 1.600 | 1.600 | 630 | 7/23/2018 |
| Goldman Sachs Bank | 38143A4T9 | 1/23/2013 | 100,000.00 | 100,125.00 | 100,000.00 | 1.050 | 1.050 | 84 | 1/23/2017 |
| Goldman Sachs Bank | 36163FJC8 | 7/25/2014 | 250,000.00 | 250,927.50 | 250,000.00 | 1.200 | 1.200 | 267 | 7/25/2017 |
| HSBC Bank | 40434AK65 | 1/21/2016 | 250,000.00 | 252,442.50 | 250,000.00 | 1.550 | 2.534 | 447 | 1/21/2021 |
| Synchrony Bank | 87164XBY1 | 7/25/2014 | 250,000.00 | 256,547.50 | 250,000.00 | 2.050 | 2.050 | 1,002 | 7/30/2019 |
| Sub Total | | | 2,350,000.00 | 2,382,392.50 | 2,350,000.00 | 1.593 | 1.697 | 621 | |
| Corporate Bond JP Morgan Chase | 46625HKA7 | 11/2/2015 | 500,000.00 | 503,475.00 | 501,501.45 | 2.250 | 2.152 | 1,148 | |
| Wells Fargo | 94974BGR5 | 1/13/2016 | 250,000.00 | 254,365.00 | 251,349.46 | 2.550 | 2.409 | 1,498 | 12/7/2020 |
| Sub Total | | | 750,000.00 | 757,840.00 | 752,850.91 | 2.350 | 2.238 | 1,265 | |
| Total Investments | | | 3,100,000.00 | 3,140,232.50 | 3,102,850.91 | 1.776 | 1.828 | 111 | |
| | | | | | | | | | |
| Total Earnings | | Month | Month Ending September | | Fiscal Year To Date | | | | |
| Current Year | | | 4,628.89 | | 18,268.20 | | | | |

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY Portfolio Management Short-Term Portfolio Details - Cash and Investments October 31, 2016

| Investments | CUSIP/Ticker | 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 | IAF | 6/30/2010 | 158,017.11 | 158,017.11 | 158,017.11 | 0.654 | 0.654 | - | NA |
| Sub Total | | | 158,017.11 | 158,017.11 | 158,017.11 | 0.654 | 0.654 | - | |
| Orange County Investment Pool County of Orange LGIP | OCIP | 6/29/2005 | 14,984,830.88 | 14,984,830.88 | 14,984,830.88 | 0.716 | 0.716 | - | N/A |
| Sub Total | | | 14,984,830.88 | 14,984,830.88 | 14,984,830.88 | 0.716 | 0.716 | 1 | |
| Total Investments | | | 15,142,847.99 | 15,142,847.99 | 15,142,847.99 | 0.715 | 0.715 | | |
| Cash Bank of America Cash | CASH0547 | 7/1/2011 | 1,001,162,60 | 1 001 162 60 | 1 001 162 60 | 000 0 | 000 | | Ž |
| Petty Cash Cash | CASH | 7/1/2011 | 200.00 | 500.00 | 200.00 | 0.000 | 0.000 | | N/A |
| Total Cash | | | 1,001,662.60 | 1,001,662.60 | 1,001,662.60 | 0.000 | 0.000 | - | |
| Total Cash and Investments | | | 16,144,510.59 | 16,144,510.59 | 16,144,510.59 | 0.715 | 0.715 | - | |
| Total Earnings | | Month | Month Ending September | i i | Fiscal Year To Date | | | | |
| Current Year | | | 14,843.71 | | 52,585.63 | | | | |
| | | | | | | | | | |

Municipal Water District of Orange County Cash and Investments at October 31, 2016





Item 1g

MUNICIPAL WATER DIST OF ORANGE COUNTY PARS OPEB Trust Program

Monthly Account Report for the Period 10/1/2016 to 10/31/2016

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

| Account Summary | | | | | | | | |
|-----------------------|---|---------------|--------------|----------|---------------|-----------|---------------------------------------|--|
| Source | Beginning Balance as of 10/1/2016 | Contributions | Earnings | Expenses | Distributions | Transfers | Ending Balance as of 10/31/2016 | |
| Employer Contribution | \$1,840,590.77 | \$0.00 | -\$21,099.99 | \$383.46 | \$0.00 | \$0.00 | \$1,819,107.32 | |
| Totals | \$1,840,590.77 | \$0.00 | -\$21,099.99 | \$383.46 | \$0.00 | \$0.00 | \$1,819,107.32 | |

Investment SelectionModerate 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

| | | | Al | muanzeu Ketui | 11 | |
|---------|----------|--------|---------|---------------|----------|-----------------------|
| 1-Month | 3-Months | 1-Year | 3-Years | 5-Years | 10-Years | Plan's Inception Date |
| -1.15% | -0.40% | 3.28% | 3.99% | 7.01% | - | 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. Account balances are inclusive of Trust Administration (unless invoiced), Trustee and Investment Management fees

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY COMBINED FINANCIAL STATEMENTS

AND

BUDGET COMPARATIVE

JULY 1, 2016 THRU OCTOBER 31, 2016

Municipal Water District of Orange County Combined Balance Sheet As of October 31, 2016

| ASSETS Cash in Bank Investments Accounts Receivable Accounts Receivable - Other Accrued Interest Receivable Prepaids/Deposits Leasehold Improvements Furniture, Fixtures & Equipment Less: Accum Depreciation Net OPEB Asset | Amount 1,001,662.60 18,245,698.90 31,119,336.13 77,524.85 30,305.78 597,013.95 3,415,059.92 447,719.37 (2,656,270.41) 117,085.00 |
|---|--|
| TOTAL ASSETS | \$52,395,136.09 |
| LIABILITIES AND FUND BALANCES Liabilities Accounts Payable | 31,734,605.39 |
| Accounts Payable - Other | 622.71 |
| Accounts Payable - Other Accrued Salaries and Benefits Payable | 350,314.02 |
| OCWD CUP Balance Payable | · |
| Other Liabilities | 3,117,524.80 |
| Unearned Revenue | 842,545.52 2,076,778.49 |
| Total Liabilities | |
| Total Liabilities | 38,122,390.93 |
| Fund Balances Restricted Fund Balances | |
| Water Fund - T2C | 964,993.86 |
| Total Restricted Fund Balances | 964,993.86 |
| Unrestricted Fund Balances Designated Reserves | |
| General Operations | 2,611,687.51 |
| Grant & Project Cash Flow | 1,480,000.00 |
| Election Expense | 215,463.03 |
| Building Repair | 500,407.45 |
| Total Designated Reserves | 4,807,557.99 |
| GENERAL FUND WEROC | 2,803,673.61 101,241.62 |
| Total Unrestricted Fund Balances | 7,712,473.22 |
| | , _, _ |
| Excess Revenue over Expenditures | 5 000 110 := |
| Operating Fund | 5,696,113.47 |
| Other Funds | (100,835.39) |
| Total Fund Balance | 14,272,745.16 |
| TOTAL LIABILITIES AND FUND BALANCES | \$52,395,136.09 |

Municipal Water District of Orange County Revenues and Expenditures Budget Comparative Report General Fund From July thru October 2016

| | Month to Date | Year to Date | Annual Budget | % Used | Encumbrance | Budget Remaining |
|--|---------------|----------------------------|----------------------------|-----------------|--------------|-------------------------|
| <u>REVENUES</u> | | | | | | |
| Retail Connection Charge Ground Water Customer Charge | 0.00 | 6,786,864.75 392,666.00 | 6,786,865.00 392,666.00 | 100.00% | 0.00 0.00 | 0.25 0.00 |
| Water rate revenues | 0.00 | 7,179,530.75 | 7,179,531.00 | 100.00% | 0.00 | 0.25 |
| Interest Revenue | 18,941.95 | 73,452.74 | 123,000.00 | 59.72% | 0.00 | 49,547.26 |
| Subtotal | 18,941.95 | 7,252,983.49 | 7,302,531.00 | 99.32% | 0.00 | 49,547.51 |
| Choice Programs | 0.00 | 1,217,338.08 0.00 | 1,494,789.00 | 81.44% 0.00% | 0.00 0.00 | 277,450.92 |
| Choice Prior Year Carry Over Miscellaneous Income | 0.00 25.37 | 625.82 | 44,416.00 3,000.00 | 20.86% | 0.00 | 44,416.00 2,374.18 |
| School Contracts Transfer-In From Reserve | 0.00 | 0.00 | 70,000.00 535,873.00 | 0.00% | 0.00 0.00 | 70,000.00 535,873.00 |
| Subtotal | 25.37 | 1,217,963.90 | 2,148,078.00 | 56.70% | 0.00 | 930,114.10 |
| TOTAL REVENUES | 18,967.32 | 8,470,947.39 | 9,450,609.00 | 89.63% | 0.00 | 979,661.61 |

Municipal Water District of Orange County Revenues and Expenditures Budget Comparative Report General Fund From July thru October 2016

| | Month to Date | Year to Date | Annual Budget | % Used | Encumbrance | Budget Remaining |
|---|----------------------|--------------------------|------------------------------|------------------|--------------|---------------------|
| <u>EXPENSES</u> | | | | | | |
| Salaries & Wages | 250,689.91 | 1,003,847.12 | 3,444,620.00 | 29.14% | 0.00 | 2,440,772.88 |
| Salaries & Wages - Grant Recovery | 0.00 | (7,299.50) | (31,600.00) | 23.10% | 0.00 | (24,300.50) |
| Salaries & Wages - Recovery | (1,583.40) | (7,261.80) | 0.00 | 0.00% | 0.00 | 7,261.80 |
| Directors' Compensation | 18,587.22 | 70,846.94 | 231,937.00 | 30.55% | 0.00 | 161,090.06 |
| MWD Representation | 10,505.82 | 40,407.00 | 132,535.00 | 30.49% | 0.00 | 92,128.00 |
| Employee Benefits | 68,443.91 | 282,785.62 | 968,160.00 | 29.21% | 0.00 | 685,374.38 |
| OPEB Annual Contribution | 0.00 | 400,000.00 | 105,249.00 | 380.05% | 0.00 | (294,751.00) |
| Employee Benefits - Grant Recovery | 0.00 | (1,951.84) | 0.00 | 0.00% | 0.00 | 1,951.84 |
| Employee Benefits - Recovery | (301.60) | (1,383.20) | 0.00 | 0.00% | 0.00 | 1,383.20 |
| Director's Benefits | 5,267.43 | 20,922.59 | 66,297.00 | 31.56% | 0.00 | 45,374.41 |
| Health Ins \$'s for Retirees | 3,547.55 | 11,230.58 | 50,326.00 | 22.32% | 0.00 | 39,095.42 |
| Training Expense | 594.00 | 1,554.00 | 12,000.00 | 12.95% | 575.00 | 9,871.00 |
| Tuition Reimbursement | 0.00 | 0.00 | 5,000.00 | 0.00% | 0.00 | 5,000.00 |
| Temporary Help Expense | 994.50 356,745.34 | 994.50 | 0.00 | 0.00% 36.41% | 11,005.50 | (12,000.00) |
| Personnel Expenses | • | 1,814,692.01 | 4,984,524.00 | | 11,580.50 | 3,158,251.49 |
| Engineering Expense | 16,963.29 | 52,427.62 | 405,000.00 | 12.95% | 108,471.94 | 244,100.44 |
| Legal Expense | 21,470.59 | 64,758.63 | 320,000.00 | 20.24% | 255,241.37 | 0.00 |
| Audit Expense | 9,900.00 | 16,900.00 | 24,000.00 | 70.42% | 1,537.00 | 5,563.00 |
| Professional Services Professional Fees | 90,360.40 | 209,364.84 343,451.09 | 1,496,997.00 2,245,997.00 | 13.99% 15.29% | 984,294.53 | 918,251.38 |
| | • | • | | | | |
| Conference-Staff | 1,282.00 | 6,559.10 | 22,125.00 | 29.65% | 0.00 | 15,565.90 |
| Conference-Directors | 555.00 | 1,940.00 | 10,725.00 | 18.09% | 0.00 | 8,785.00 |
| Travel & AccomStaff | 4,077.32 | 10,542.11 | 71,130.00 | 14.82% | 0.00 | 60,587.89 |
| Travel & AccomDirectors | 2,961.53 | 4,653.70 | 38,250.00 | 12.17% | 0.00 | 33,596.30 |
| Travel & Conference | 8,875.85 | 23,694.91 | 142,230.00 | 16.66% | 0.00 | 118,535.09 |
| Membership/Sponsorship | 35,129.00 | 98,615.78 | 134,458.00 | 73.34% | 0.00 | 35,842.22 |
| CDR Support | 0.00 | 9,992.88 | 39,972.00 | 25.00% | 29,978.62 | 0.50 |
| Dues & Memberships | 35,129.00 | 108,608.66 | 174,430.00 | 62.26% | 29,978.62 | 35,842.72 |
| Business Expense | 570.76 | 1,687.67 | 6,000.00 | 28.13% | 0.00 | 4,312.33 |
| Maintenance Office | 10,740.65 | 30,937.09 | 123,185.00 | 25.11% | 89,602.91 | 2,645.00 |
| Building Repair & Maintenance | 902.61 | 3,194.56 | 11,000.00 | 29.04% | 4,805.44 | 3,000.00 |
| Storage Rental & Equipment Lease | 25,660.68 | 26,778.01 | 7,000.00 | 382.54% | 4,421.99 | (24,200.00) |
| Office Supplies | 3,584.53 | 9,276.64 | 38,280.00 | 24.23% | 2,595.77 | 26,407.59 |
| Postage/Mail Delivery | 646.63 | 2,798.67 | 11,400.00 | 24.55% | 3,703.00 | 4,898.33 |
| Subscriptions & Books | 110.00 | 205.47 | 2,000.00 | 10.27% | 0.00 | 1,794.53 |
| Reproduction Expense | 0.00 | 1,870.74 | 36,225.00 | 5.16% | 8,259.79 | 26,094.47 |
| Maintenance-Computers | 1,768.16 | 2,299.37 | 10,000.00 | 22.99% | 1,681.44 | 6,019.19 |
| Software Purchase | 1,385.08 | 19,190.28 | 31,300.00 | 61.31% | 1,846.15 | 10,263.57 |
| Software Support | 8,910.78 | 25,853.20 | 46,000.00 | 56.20% | 0.00 | 20,146.80 |
| Computers and Equipment | 0.00 | 14,161.84 | 32,500.00 | 43.57% | 0.00 | 18,338.16 |
| Automotive Expense | 1,630.61 | 5,391.68 | 13,828.00 | 38.99% | 0.00 | 8,436.32 |
| Toll Road Charges | 143.17 | 236.25 | 1,100.00 | 21.48% | 0.00 | 863.75 |
| Insurance Expense | 8,786.17 | 36,632.32 | 90,000.00 | 40.70% | 0.00 | 53,367.68 |
| Utilities - Telephone | 1,693.23 | 6,557.97 | 19,200.00 | 34.16% | 0.00 | 12,642.03 |
| Bank Fees | 1,053.99 | 4,238.24 | 10,500.00 | 40.36% | 0.00 | 6,261.76 |
| Miscellaneous Expense | 6,709.75 | 21,812.98 | 114,020.00 | 19.13% | 2.40 | 92,204.62 |
| MWDOC's Contrb. To WEROC | 12,532.50 | 50,130.00 | 150,390.00 | 33.33% | 0.00 | 100,260.00 |
| Depreciation Expense | 607.56 | 2,430.26 | 753 938 00 | 0.00% | 0.00 | (2,430.26) |
| Other Expenses | 87,436.86 | 265,683.24 | 753,928.00 | 35.24% | 116,918.89 | 371,325.87 |
| Election Expense | 0.00 | 0.00 | 592,000.00 | 0.00% | 0.00 | 592,000.00 |
| MWDOC's Building Expense | 8,964.96 | 195,904.96 | 495,000.00 | 39.58% | 11,371.58 | 287,723.46 |
| Capital Acquisition | 0.00 | 22,799.05 | 62,500.00 | 36.48% | 0.00 | 39,700.95 |
| TOTAL EXPENSES | 635,846.29 | 2,774,833.92 | 9,450,609.00 | 29.36% | 1,154,144.12 | 5,521,630.96 |
| NET INCOME (LOSS) | (616,878.97) | 5,696,113.47 | 0.00 | | | |

Municipal Water District of Orange County Revenues and Expenditures Budget Comparative Report Water Fund From July thru October 2016

| | | | Annual | | Budget |
|-------------------------------------|---------------|---------------|----------------|--------|---------------|
| | Month to Date | Year to Date | Budget | % Used | Remaining |
| WATER REVENUES | | | | | |
| Water Sales | 13,094,017.50 | 64,070,565.40 | 121,881,702.00 | 52.57% | 57,811,136.60 |
| Readiness to Serve Charge | 1,055,607.64 | 4,222,430.56 | 12,674,093.00 | 33.32% | 8,451,662.44 |
| Capacity Charge CCF | 402,482.50 | 1,609,930.00 | 4,829,790.00 | 33.33% | 3,219,860.00 |
| SCP Surcharge | 26,427.33 | 122,725.14 | 365,000.00 | 33.62% | 242,274.86 |
| Interest | 640.14 | 2,582.23 | 4,800.00 | 53.80% | 2,217.77 |
| | · | | | | |
| TOTAL WATER REVENUES | 14,579,175.11 | 70,028,233.33 | 139,755,385.00 | 50.11% | 69,727,151.67 |
| WATER PURCHASES | | | | | |
| Water Sales | 13,094,017.50 | 64,070,565.40 | 121,881,702.00 | 52.57% | 57,811,136.60 |
| Readiness to Serve Charge | 1,055,607.64 | 4,222,430.56 | 12,674,093.00 | 33.32% | 8,451,662.44 |
| Capacity Charge CCF | 402,482.50 | 1,609,930.00 | 4,829,790.00 | 33.33% | 3,219,860.00 |
| SCP Surcharge | 26,427.33 | 122,725.14 | 365,000.00 | 33.62% | 242,274.86 |
| TOTAL WATER PURCHASES | 14,578,534.97 | 70,025,651.10 | 139,750,585.00 | 50.11% | 69,724,933.90 |
| EXCESS OF REVENUE OVER EXPENDITURES | 640.14 | 2,582.23 | 4,800.00 | | |

Municipal Water District of Orange County WUE Revenues and Expenditures (Actuals vs Budget) From July thru October 2016

| | Year to Date Actual | Annual Budget | % Used |
|---|------------------------|------------------|---------|
| Landscape Performance Certification | | | |
| Revenues | 109.36 | 118,900.00 | 0.09% |
| Expenses | 5,400.00 | 118,900.00 | 4.54% |
| Excess of Revenues over Expenditures | (5,290.64) | 0.00 | |
| Industrial Water Use Reduction | | | |
| Revenues | (0.02) | 91,236.00 | 0.00% |
| Expenses | 95,010.00 | 91,236.00 | 104.14% |
| Excess of Revenues over Expenditures | (95,010.02) | 0.00 | |
| Spray To Drip Conversion | | | |
| Revenues | 675.00 | 468,552.34 | 0.14% |
| Expenses | 681.52 | 468,552.34 | 0.15% |
| Excess of Revenues over Expenditures | (6.52) | 0.00 | |
| Water Smart Landscape for Public Property | | | |
| Revenues | 0.00 | 168,588.80 | 0.00% |
| Expenses | 0.00 | 168,588.80 | 0.00% |
| Excess of Revenues over Expenditures | 0.00 | 0.00 | |
| Member Agency Administered Passthru | | | |
| Revenues | 0.00 | 150,000.00 | 0.00% |
| Expenses | 0.00 | 150,000.00 | 0.00% |
| Excess of Revenues over Expenditures | 0.00 | 0.00 | |
| ULFT Rebate Program | | | |
| Revenues | 24,152.20 | 205,000.00 | 11.78% |
| Expenses | 24,152.20 | 205,000.00 | 11.78% |
| Excess of Revenues over Expenditures | 0.00 | 0.00 | |
| HECW Rebate Program | 05.404.00 | | 22.224 |
| Revenues | 95,134.22 | 432,000.00 | 22.02% |
| Expenses | 95,161.52 | 432,000.00 | 22.03% |
| Excess of Revenues over Expenditures | (27.30) | 0.00 | |
| CII Rebate Program | | | |
| Revenues | 212,190.00 | 325,000.00 | 65.29% |
| Expenses | 249,790.00 | 325,000.00 | 76.86% |
| Excess of Revenues over Expenditures | (37,600.00) | 0.00 | |
| Large Landscape Survey | | | |
| Revenues | 416.61 | 30,000.00 | 1.39% |
| Expenses | 65.00 | 30,000.00 | 0.22% |
| Excess of Revenues over Expenditures | 351.61 | 0.00 | |

Municipal Water District of Orange County WUE & Other Funds Revenues and Expenditures (Actuals vs Budget) From July thru October 2016

| | Year to Date Actual | Annual Budget | % Used |
|--|------------------------|------------------|--------|
| Indoor-Outdoor Survey | | | |
| Revenues | 0.00 | 3,500.00 | 0.00% |
| Expenses | 14.06 | 3,500.00 | 0.40% |
| Excess of Revenues over Expenditures | (14.06) | 0.00 | |
| Turf Removal Program | | | |
| Revenues | 635,582.07 | 1,750,000.00 | 36.32% |
| Expenses | 677,424.93 | 1,750,000.00 | 38.71% |
| Excess of Revenues over Expenditures | (41,842.86) | 0.00 | |
| Comprehensive Landscape (CLWUE) | | | |
| Revenues | 113,207.49 | 399,751.00 | 28.32% |
| Expenses | 86,876.32 | 399,751.00 | 21.73% |
| Excess of Revenues over Expenditures | 26,331.17 | 0.00 | |
| CII, Large Landscape, Performance (OWOW) | | | |
| Revenues | 3,052.05 | 121,210.00 | 2.52% |
| Expenses | 24,605.55 | 121,210.00 | 20.30% |
| Excess of Revenues over Expenditures | (21,553.50) | 0.00 | |
| WUE Projects | | | |
| Revenues | 1,084,518.98 | 4,263,738.14 | 25.44% |
| Expenses | 1,259,181.10 | 4,263,738.14 | 29.53% |
| Excess of Revenues over Expenditures | (174,662.12) | 0.00 | |
| | | | |
| WEROC | | | |
| Revenues | 200,520.00 | 300,780.00 | 66.67% |
| Expenses | 100,330.40 | 293,780.00 | 34.15% |
| Excess of Revenues over Expenditures | 100,189.60 | 7,000.00 | |



DISCUSSION ITEM

December 14, 2016

TO: Administration & Finance Committee

(Directors Thomas, Barbre, Finnegan)

FROM: Robert Hunter, General Manager

Staff Contact: Joe Berg, Director of Water Use Efficiency

SUBJECT: Update on Executive Order B-37-16

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee: review and discuss this information.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

On May 9, 2016, Governor Edmund G. Brown Jr. issued Executive Order B-37-16 (EO). This EO seeks to build on the conservation efforts during the recent drought and the temporary statewide emergency water restrictions, as well as implementation of the Governor's California Water Action Plan. The EO list four main inter-related objectives: 1)

Using Water More Wisely; 2) Eliminating Water Waste; 3) Strengthening Local Drought Resilience; and 4) Improving Agricultural Water Use Efficiency and Drought Planning.

The five state agencies that have been charged with implementing the EO's four inter-related objectives are collectively referred to as the "EO Agencies," these agencies include: Department of Water Resources (DWR), State Water Resources Control Board (Water Board), California Public Utilities Commission (CPUC), California Department of Food and Agriculture, and the California Energy Commission (CEC).



Budgeted (Y/N): N/A Budgeted amount: N/A Core X Choice ___

Action item amount: N/A Line item: N/A

Fiscal Impact (explain if unbudgeted): N/A

On November 30, 2016, the EO Agencies released the public review draft of "Making Water Conservation a California Way of Life; Implementing Executive Order B-37-16" (Draft Report). This Board item will highlight the key components of the objectives which impact urban water use within the Draft Report followed by MWDOC staff observations. The EO Agencies have requested public comments to be submitted by December 19, 2016. The EO Agencies will then submit a final report to the Governor by January 20, 2017. The final report is expected to be publically released by late January or early February, 2017.

Overview of Public Review Draft

As stated within the Draft Report, EO Agencies will undertake a suite of actions that can be facilitated using existing authorities, ranging from rulemaking proceedings to expanded technical assistance. Where further are necessary, the EO Agencies also recommend additional actions, authorities, and resources.

Within the framework of the Draft Report, the EO's inter-related objectives are met through the following actions:

Objective: Using Water More Wisely

- Emergency Conservation Regulations: The Water Board will extend its current emergency drought regulation, which is in effect through February 2017, for an additional 270 days (Nov. 2017) based on supply conditions and water conservation levels.
- New Water Use Targets: Upon statutory authorization, the EO Agencies will adopt new water use standards for all urban water use and a new urban water use target methodology. Whereby, urban water suppliers would be required to calculate their unique water use targets based on those standards and local conditions. The EO agencies will establish interim targets that are applicable starting in 2018, and require full compliance with final targets² by 2025. Additional legal authority would be required for successful implementation.
- <u>Permanent Monthly Reporting:</u> The Water Board will open a rulemaking process to establish permanent monthly urban water reporting on water usage, amount of conservation achieved, and any enforcement efforts. The rulemaking will start at the end of 2016 and run through 2017.

Objective: Eliminating Water Waste

- Water Use Prohibitions: The Water Board will open a rulemaking process to establish permanent prohibitions on wasteful water practices, building on the current prohibited uses in the emergency regulation. The rulemaking will start at the end of 2016 and run through 2017.
- <u>Innovative Water Loss & Control Technologies</u>: The CEC is evaluating various
 options for certification of water loss detection and control technologies at utility,
 household, and appliance levels. The CEC is also making investments in
 research and funding programs for water saving devices and technologies.

¹ The Draft Report can be found at: http://www.water.ca.gov/wateruseefficiency/conservation/docs/EO_B-37-16 Report.pdf

² A timeline for the EO Agencies to establish final water use standards, as well as the process to develop standards; reporting and compliance requirements; and assistance to be provided by the EO Agencies can be found in Chapter 3 of the Draft Report.

- Minimizing Water Loss: Through the implementation of Senate Bill 555, along
 with additional actions to satisfy the Executive Order's directives related to
 reducing water supplier leaks. Implementation actions include the following:
 - Validation of water loss audit reports: By October 1, 2017 and annually thereafter, urban retail water suppliers must submit validated water loss audit reports to the DWR. DWR will adopt rules for standardizing water loss audits in early 2017. DWR will also revise funding guidelines so that water suppliers that do not submit reports will be ineligible for DWR grants and loans.
 - Water loss performance standards: By July 1, 2020, the Water Board will adopt rules requiring urban retail water suppliers to meet performance standards for the volume of water losses.
 - Technical assistance for water loss audits: The Water Board is also funding the California Water Loss Control Collaborative Technical Assistance Program to ensure high quality and properly validated water loss audits. For smaller water suppliers addressing water losses, the Water Board will offer financial assistance through the Drinking Water State Revolving Fund beginning in 2017.
 - Minimizing leaks: The CPUC will order large investor owned water utilities to accelerate work to minimize leaks. The CPUC may grant financial incentives for minimizing leaks during the review of each utility's upcoming General Rate Case applications.

Objective: Strengthening Local Drought Resilience

- Water Shortage Contingency Plans: Upon statutory authorization, urban water suppliers will be required to submit a Water Shortage Contingency Plan and conduct a 5-year Drought Risk Assessment every five years. In addition, conduct and submit a water budget forecast annually. The EO Agencies will establish appropriate compliance and reporting criteria, and provide assistance to urban suppliers for meeting the requirements. Additional authorities would be required for successful implementation.
- Drought Contingency Planning for Small Water Suppliers and Rural
 Communities: The EO Agencies' recommendations focus on improving drought vulnerability assessments, proactive actions, and supplier readiness and responsiveness during drought conditions. Currently, the recommendations focus on pathways for the EO Agencies to continue to work with counties to develop more specific functional recommendations, which would be expected to continue into 2017. Additional authorities and funding may be required for successful implementation.

MWDOC Staff Observations

Staff participated in the EO Agency joint Urban Advisory Group and Agricultural Advisory Group meeting on December 7, 2016. This meeting was helpful in further understanding the detail of the Draft Report. In addition, on December 8, 2016, MWDOC held a webinar with a number of Orange County retail agencies to develop comments on the Draft Report. While there are still areas of concern, the Draft Report is much improved when compared to the original proposals from the EO Agencies. Listed below are areas that we are encouraged by and areas of concern or needed clarity. This is not an exhaustive list, rather areas to highlight for the Board's review and input.

Areas of encouragement include the following:

Objective: Using Water More Wisely

- New conservation targets, to replace the existing 20x2020 framework, for 2025 are efficiency-based rather than arbitrarily set percent reduction targets, which are not sustainable in the long run.
- For the proposed method, the conservation targets should be achievable within Orange County with the initial indoor standards of 55 gallons per capita per day and outdoor water allowances based on the Landscape Ordinance.

Objective: Strengthening Local Drought Resilience

- Five-year drought planning sequence remains a component of the Urban Water Management Plan.
- The approach supports both water use efficiency and supply augmentation.
- The annual drought risk assessment was adjusted from an annual "five-year assessment" to a "current year plus one additional year assessment" (or more, if an agency chooses).
- While shortage levels must be reported using the EO Agency defined shortage levels, agencies may define their own shortage levels in practice.

Areas of concern or needed clarity include the following:

Objective: Using Water More Wisely

- The report's does not allow for flexibility to choose alternative compliance methods, such as percent reduction or percent of hydrologic regional standard.
- Recycled water should receive a credit in the indoor efficiency calculations.
 An incentive to invest in new drought-proof sustainable supplies is needed.
 - Note, there is an incentive for outdoor efficiency calculations where landscapes using recycled water.
- Support for the EO Agencies to provide verified landscape area information for each parcel or allow agencies to use their own area measurement data.
- Regarding the commercial, industrial, and institutional (CII) sector:
 - State agencies should take the lead in working with a full spectrum of CII sector representatives to define industry driven CII efficiency standards.
 - o CII incentives should be an alternative to audits/surveys.
- Water agencies should be able to participate in task forces to update indoor, outdoor, and CII standards, but changes should be made through the legislation process rather than administratively.
- State should allow for variances such as medical needs, livestock, etc.
- Agencies should have phased implementation (e.g. large agencies by 2025, mid-sized agencies by 2027, and small agencies by 2029). In order to account for the agency's resources and capability to implement and achieve their targets.
- New program should not affect water rights or the ability to use or transfer conserved water.

Objective: Eliminating Water Waste

- Better definitions are still needed regarding wasteful practices (e.g. measurable rainfall and street medians).
- "Waste and unreasonable use" provisions should not only be applied to specific locations/watersheds.
- Concern about the state requiring additional fieldwork on leaks.
- EO agencies propose to use "existing authorities" to implement water use prohibitions; however, it is not clear what these authorities are
- Senate Bill 555 needs clarity on what applies to wholesale, retail or small systems

Objective: Strengthening Local Drought Resilience

- The initial reason for changes to the Water Shortage Contingency Plans were in response to small agencies who were not prepared to respond to the drought. Within the Draft Report, the requirements for small agencies remain undefined.
- More clarification is needed for retail versus wholesale requirements.

Other general areas of concern:

- Extension of the current drought emergency regulations should be shortened to coincide with the end of the wet season (i.e. March/April).
- Research is needed on plumbing fixture flow rates and unintended consequences for waste water agencies.
- Research is needed on the saturation of water efficient plumbing fixtures and its impacts on recycled water supply development.
- Research is needed on area measurement and applied water as it relates to irrigated versus irrigable landscaped areas.

Next Steps

The following are a summary of next steps for MWDOC and member agencies:

- MWDOC to develop its own comment letter to the Draft Report.
- MWDOC to compose a template letter for Orange County retail water agencies to use in developing their own comment letter.
- Participate in EO Agency CII and Landscape technical working groups to develop guidance documents and further evaluate standards.

"Making Water Conservation a California Way of Life" – Implementing Executive Order B-37-16 Public Draft Report can be found at the following link:

http://www.water.ca.gov/wateruseefficiency/conservation/docs/EO B-37-16 Report.pdf

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

Fiscal Year 2016-17

Sole Source Procurement Justification for Projects under \$25,000*



- A. Supplier Information/Name of Company and Prime Contact at the Supplier and at MWDOC: Staffing Network, LLC
- B. Contract awards to Supplier over prior 36-months: No
- C. Product(s) or Service(s) to be provided and Deliverables: Temporary Administrative Staffing to assist with administrative support duties.
- D. Justification Definition** Urgent necessity in order to train staff and continue workflow.
- E. Narrative Explanation: Due to a shortage in administrative support of two positions, immediate assistance was needed and a temporary staffing agency was contacted to assist in temporarily filling the vacancy. The Records Coordinator resigned and an administrative staff member was promoted to Records Coordinator, leaving a vacancy in general administrative support; in addition another admin staff member is on a leave of absence.
- F. Budget Line Item Reference & Amount: 2000-12-6220, amount of \$12,000
- G. Core or Choice designation: Core

H. Signature/Approvals:

Requestor

Date

General Manager

Date

^{*} Projects over \$25,000 must go to a Committee of the Board.

^{**} Possible justifications include but are not limited to: Only qualified bidder; Proprietary item; Urgent necessity; Bid process did not produce competitors; Governmental agency, association or Utility; Prior phase of professional services contract completed successfully by same Consultant; and Special technical expertise by Consultant for tasks desired.

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

Fiscal Year 2016-17

Sole Source Procurement Justification for Projects under \$25,000*



A. Supplier Information/Name of Company and Prime Contact at the Supplier and at MWDOC:

Public Financial Management (PFM) – Brian Thomas, Managing Director MWDOC – Robert Hunter, General Manager

B. Contract awards to Supplier over prior 36-months:

Financial and technical consulting on East Orange County Feeder #2 review for not to exceed amount of \$15,000

C. Product(s) or Service(s) to be provided and Deliverables:

Review and report on MWDOC financial management policies focusing on reserves.

D. Justification Definition**

Special technical expertise by Consultant for tasks desired.

E. Narrative Explanation:

PFM has been asked to work with the Municipal Water District of Orange County (MWDOC) staff to review MWDOC's existing financial information and assist in formulating financial management policies with respect to potential debt issuance and maintenance of reserves. In addition, PFM will prepare an analysis of financial policies and credit rating assessments of peer member agnecies of Metropolitan Water District of Southern California (MWD).

F. Budget Line Item Reference & Amount:

Cost Center 23 – Special Projects, #7010 – Outside services; Not to exceed \$20,000

Date

G. Core or Choice designation: Core

H. Signature/Approvals:

General

Requestor Date

* Projects over \$25,000 must go to a Committee of the Board.

Manager

^{**} Possible justifications include but are not limited to: Only qualified bidder; Proprietary item; Urgent necessity; Bid process did not produce competitors; Governmental agency, association or Utility; Prior phase of professional services contract completed successfully by same Consultant; and Special technical expertise by Consultant for tasks desired.



INFORMATION ITEM

December 14, 2016

TO: Administration & Finance Committee

(Directors Thomas, Barbre, Finnegan)

FROM: Robert Hunter, General Manager Staff Contact: Hilary Chumpitazi

Keith Lyon

SUBJECT: Metropolitan Water District of Southern California Conjunctive Use

Program (CUP) Funding Agreement

STAFF RECOMMENDATION

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

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

In accordance with existing agreements and practices under the Conjunctive Use Program, MWDOC accumulated a balance of over \$3.1 million in retained funds through August of 2016, which has been transferred to OCWD.

DETAILED REPORT

The Conjunctive Use program agreement was entered into by the Municipal Water District of Orange County ("MWDOC"), the Orange County Water District ("OCWD"), and the Metropolitan Water District of Southern California ("MET") and is dated June 25, 2003 ("MET Agreement"). In addition, OCWD and MWDOC entered into a number of agreements with MWDOC member agencies ("Participating Agencies") regarding their participation in the CUP related to groundwater storage and extraction ("Implementation Agreements").

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

Under the original MET Agreement, MWDOC would provide OCWD with MET's water delivery invoices, and OCWD was responsible for collecting from the Participating Agencies, and then paying MWDOC the amount invoiced by MET. In the Implementation Agreements and in consideration for participation in the CUP program, as well as the construction of eight extraction wells, the Participating Agencies are required to pay to OCWD MET's then-effective treated Full service rate for water pumped from the CUP storage account.

Due to complications in invoicing procedures, the MET Agreement was subsequently amended so that MWDOC was then responsible for recovering the amount of the MET invoices directly from the Participating Agencies, and not OCWD. Because MWDOC can receive untreated water for storage from MET at a lower cost, and the Implementation Agreements require Participating Agencies to pay the treated Full service water rate, MWDOC has been retaining the difference in these amounts ("Retained Funds"). Prior to the MET Agreement amendment, OCWD would have collected these funds directly from the Participating Agencies and retained them consistent with the Implementation Agreements.

In 2009, MWDOC transferred approximately \$300,000 of these Retained Funds to OCWD consistent with the intent of the MET Agreement and Implementation Agreements, and retained \$65,450 to ensure that MWDOC's expenses related to the billing process were fully covered at the end of the year.

In December 2015, MWDOC issued a check for \$2,237,830 to OCWD that covered the CUP Program from 2009 through December 2014. In November 2016, MWDOC issued the final check in the amount of \$3,117,524.80 covering from January 2015 through August 2016 when the program ended for this period.

All transfers and payments of these Retained Funds to OCWD were consistent with the MET Agreement and the Implementation Agreements.

The CUP storage account balance as of June 30, 2016 was 177 AF, and MET is not refilling the storage account during FY2016/17. It will be several years before the storage account is refilled for MET to again call for extraction.

Administration Activities Report November 4, 2106 to December 8, 2016

| Activity | Summary |
|------------------------------------|--|
| Administration/Board | 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 Maribeth continues to send the Water Supply Reports to the member agencies Maribeth worked with Legal Counsel on the Contracts Manual Maribeth is updating and creating the new Director packet of materials, along with organizing the Oaths of Office and other miscellaneous items related to the election Maribeth is currently orchestrating invitations for the elected officials and is responsible for the logistics for the event Maribeth participated in the website contractor interviews and evaluations Pat has been scheduling meetings for Rob, Karl, Keith and Harvey, MET Directors' luncheon meeting, OC MET Managers, and ordering lunches for several meetings Pat proofed and formatted letters for Rob, Karl, Heather and Keith Pat registered staff and board members for conferences and events; scheduled travel for AWWA, ACWA Conf., DC legislative initiatives, ACWA Federal Affairs and Legislative Committees; CUWCC; GFOA; Environmental Leaders and other misc. travel and/or workshops, which includes preparation of purchase requisitions and back-up. Pat proofed resolutions for Public Affairs Pat assisted Karl in preparing for the Environmental Leaders' event on December 8. Ordered breakfast and lunch, reserved the venue, made copies, scheduled travel and lodging for one of the presenters, gathered easels, |
| MWDOC/OCWD Joint Administration | paper, markers, projectors, etc. Cathy is coordinating with OCWD on redesign of the staff table in the Board room. |
| Health Benefits | Katie completed medical, dental and vision open enrollment for 2017 as well as provided information to retirees. Katie also completed open enrollment for the flexible benefits plan for 2017. Four individuals will participate in the Consumer driven health plan for 2017. This is the same number of participants as 2016. |

| Records Management | Pari Francisco has taken over as the Records Coordinator as a result of the departure of Sarah Sherman. A Records Management training session was held on November 29th with each department to help with electronic and paper document clean up. | | |
|-------------------------|---|--|--|
| | Katie and Pari have a meeting scheduled for December 16th to meet with the records management consultant to continue with progress with this year-long project. The large scanning project is scheduled to begin in January now that the library has been cleaned out and is better organized. | | |
| CalPERS | No information to report. | | |
| Agency Inquiries | Provided information regarding benefits and position benchmarks to Mesa Water. | | |
| Recruitment /Departures | Recruitment for the WUE Specialist position continues Interviews for the Director of Public Affairs position were held during the week of December 5th and final testing process is underway. Interviews are currently underway for the WEROC Coordinator/Specialist position and are scheduled for December 8, 9 and 12. A candidate for the part-time WEROC/Admin Assistant has been selected. It is anticipated that the candidate will start on December 27th. Sarah Sherman, Records Coordinator, resigned as of December 2 to pursue her careers in synchronized ice skating. Pari Francisco was promoted to the Records Coordinator position. | | |
| Other | | | |
| Projects and Activities | Cathy and Leah are working on refreshing of two offices. MWDOC staff participated in the Earthquake preparedness fair held on December 7th that included a simulator and vendors. Cathy and Leah are working on obtaining bids for drywall, paint and carpeting for hallway area that was damaged by a water leak. Cathy, Katie, Tiffany, Ivan, Laura and Pari held a meeting to discuss the ACT Database, the current structure and ideas for improving the system. | | |



INFORMATION ITEM December 14, 2016

TO: Administration & Finance Committee

(Directors Thomas, Barbre, Finnegan)

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 2016-17.

| 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 |
| Government Compensation in California Report 2016 | 0% | 03-30-17 | Not Started |
| State Controller Report preparation FY15-16 | 0% | 01-30-17 | Not Started |
| Preparation of documents for FY17-18 budget process. | 0% | 5-31-17 | Not Started |
| 2016 W-9 collection for water rebates. Currently holding 1 November rebate check, awaiting a completed W-9. | 95% | On-going | In Progress |
| Prepare for 2016 1099's. Collected 30% of 377 missing W-9's. | 30% | 01-30-17 | In Progress |
| RFP for Financial Consultant to assist with GASB 68 continued implementation, finances and annual financials. | 0% | 02-29-17 | Not Started |
| RFP for new Auditors. Existing auditors have served us for 5 years. | 0% | 06-30-17 | Not Started |

| Information Technology | | | |
|---|----------|----------|------------------------------|
| Network security issues (hackers, viruses and spam emails) | On-going | On-going | Continuous system monitoring |
| Get quotes and have Fire Suppression system installed in IT Server room | 10% | 6/30/17 | In Progress |
| Upgrade computers and monitors for Staff. | 100% | 3/31/17 | Completed |
| Purchase and install enclosed Server Racks. | 30% | 6/30/17 | In Progress |

| Description | % of Completion | Estimated Completion date | Status |
|--|-----------------|---------------------------------|-----------|
| FY 2016-17 Completed Special Tasks | | | |
| <u>Finance</u> | | | |
| State Tax filing for Water Facilities FY15- 16 | 100% | 9/1/16 | Completed |
| FY2015-16 Annual Audit by Vavrinek, Trine, Day & Company | 100% | 10-19-16 | Completed |
| Annual Financial Statement Report FY2015-16 | 100% | 10-19-16 | Completed |
| Information Technology | | | |
| Upgrade Server software for Data Server. | 100% | 3/31/17 | Completed |
| Upgrade and deploy new Backup software with Cloud backup. | 100% | 3/31/17 | Completed |
| Upgrade District Firewall. | 100% | 6/30/17 | Completed |
| Upgrade HR ABRA Server (software) | 100% | 3/31/17 | Completed |
| Upgrade and Migrate Record Management Server to Storage Area Network (SAN) Box, purchase new scanners. | 100% | 3/31/17 | Completed |



INFORMATION ITEM

December 14, 2016

TO: Administration & Finance Committee

(Directors Thomas, Osborne, Finnegan)

FROM: Robert Hunter, General Manager Staff Contact: Kevin Hostert

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.

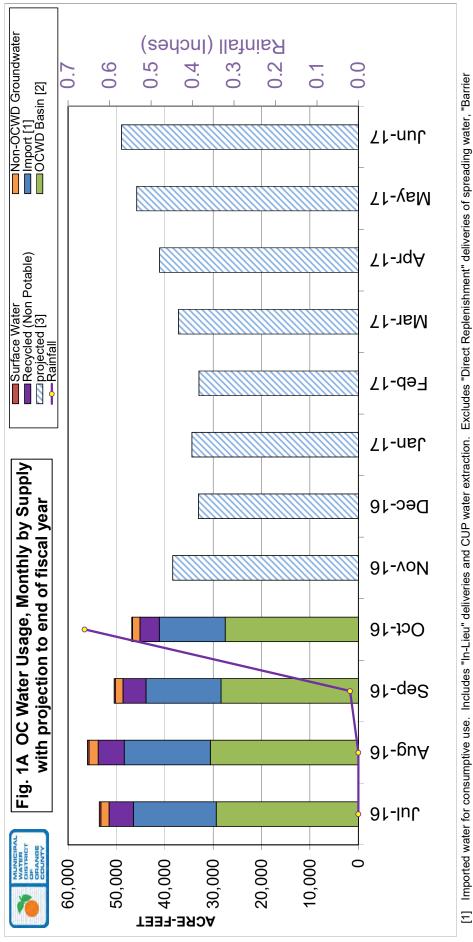
- Fig. 1 OC Water Usage, Monthly by Supply OCWD Groundwater water was the main supply in October.
- Fig. 2 OC Water Usage, Monthly, Comparison to Previous Years Water usage in October 2016 was just below average compared to the last 5 years. Lower usage is primarily due to strong conservation efforts that were a result of the mandatory restrictions set by the Governor for the period of June 2015 to May 2016. In June 2016 all water conservation became voluntary for MWDOC agencies.
- Fig. 3 Historical OC Water Consumption OC water consumption is projected to be 519,000 AF in FY 2016-17 (this includes ~15 TAF of agricultural usage and non-retail water agency usage). This is about 20,000 AF more than FY 2015-16 and is about 53,000 AF less than FY 2014-15. Water usage per person is projected to be slightly higher than in FY 2015-16 for Orange County at 146 gallons per day (This includes recycled water). 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 conservation) efforts.

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

Fig. 4 MWDOC "Firm" Water Purchases, 2016 "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.

<u>Water Supply Information</u> 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.

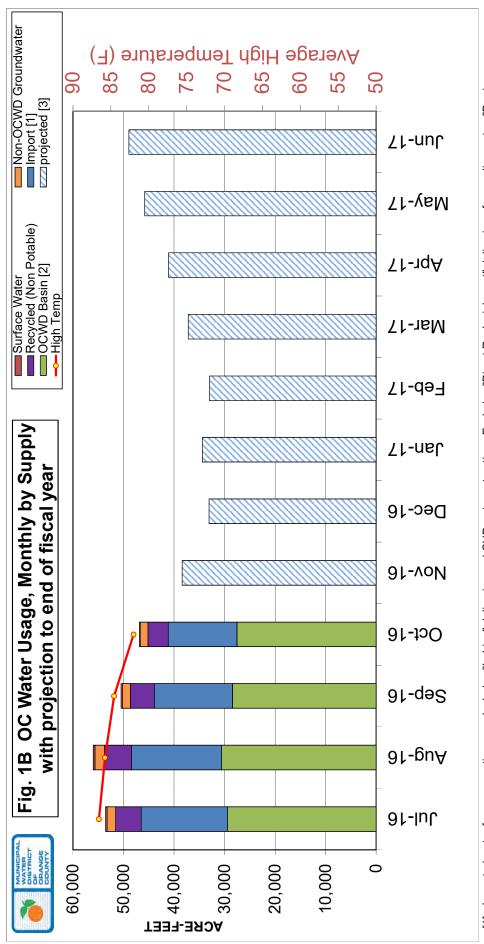
- Orange County's accumulated rainfall through November was slightly above average for this period. Orange County has had below average rainfall for the past 5 hydrologic years. La Nina conditions are present and La Nina is slightly favored to persist through out the 2016-17 winter (La Nina is generally associated with cool dry winters in Southern California).
- Northern California accumulated precipitation through early December was around 170% of normal for this period. November 2016 rainfall was right around the historical average for that month. The Northern California snowpack is 72% of normal as of December 5th. The State of California has been in a declared Drought Emergency since January 2014. As of early December 88% of California is still suffering from some level of drought. The State Water Project Contractors initial Table A Allocation is at 20% as of the end of November.
- Colorado River Basin accumulated precipitation through November was 71% average for this period. The Upper Colorado Basin snowpack was 65% of normal as of November 28th. This follows five below-average hydrologic years, the Colorado River Basin is in the recovery of 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 1,075 ft. 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 November Lake Mead levels were hovering right at the "trigger" limit but fortunately levels are expecting to increase due to water releases schedule at Lake Powell. The USBR predicts that the "trigger" level will not be hit by the end of 2016.



Replenishment" deliveries, and deliveries into Irvine Lake.

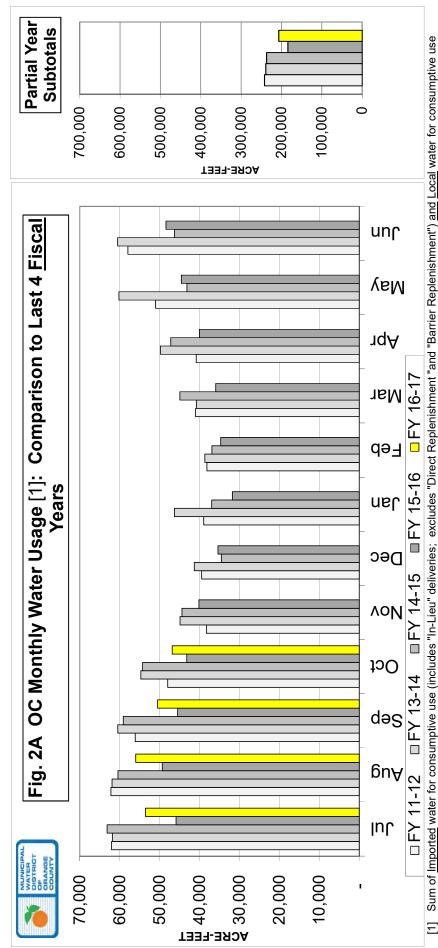
GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted with Import. BPP in FY '15-16 is 75%. MWDOC's estimate of monthly demand is based on the projected FY 15-16"Retail" water demand and historical monthly demand patterns. <u>2</u> € 4

Total water usage includes IRWD groundwater agricutural use and usage by non-retail water agencies.

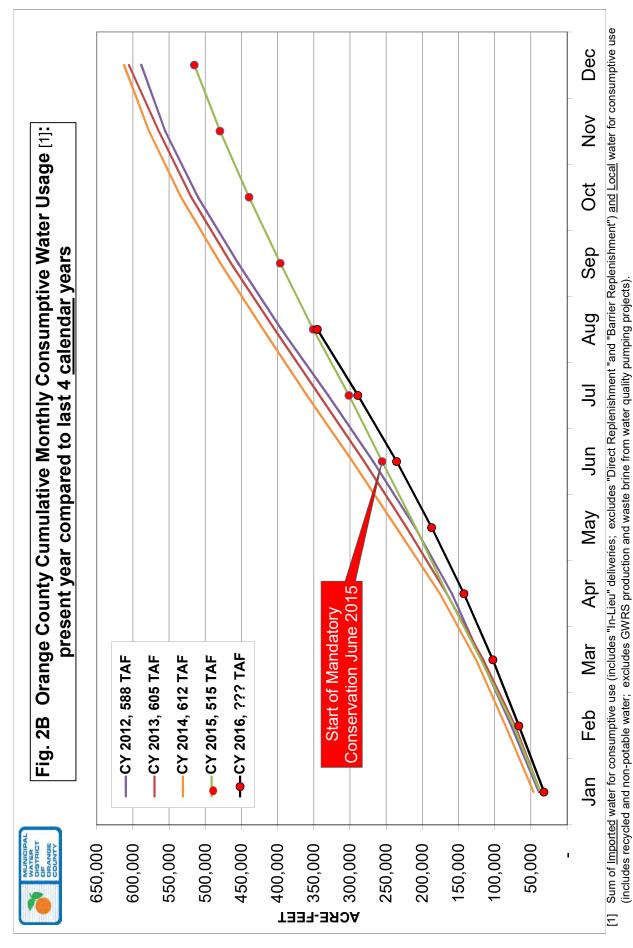


Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water, "Barrier Replenishment" deliveries, and deliveries into Irvine Lake.

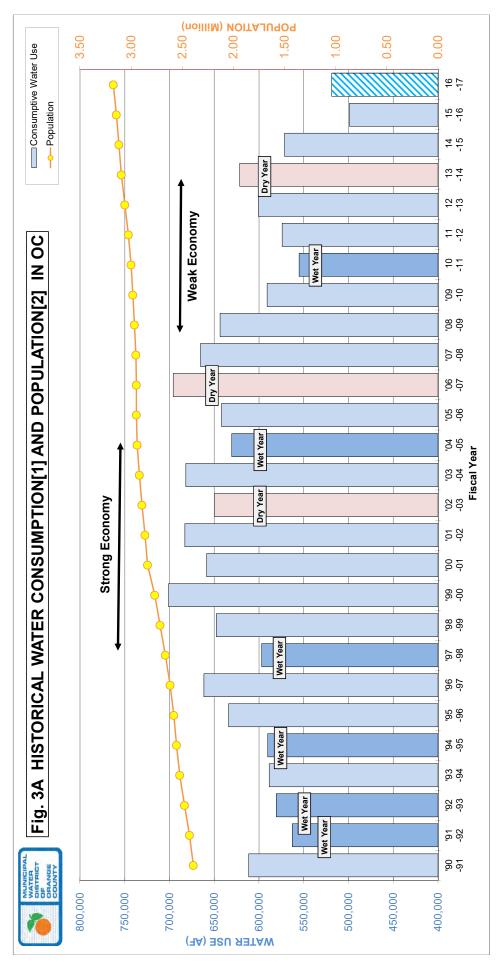
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(includes recycled and non-potable water; excludes GWRS production, groundwater pumped to waste, and waste brine from water treatment projects.) Recent months numbers include some estimation.

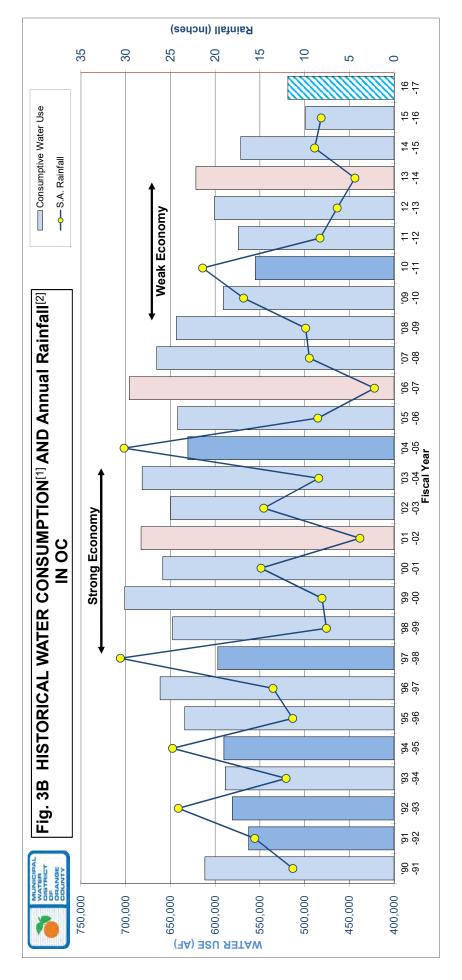


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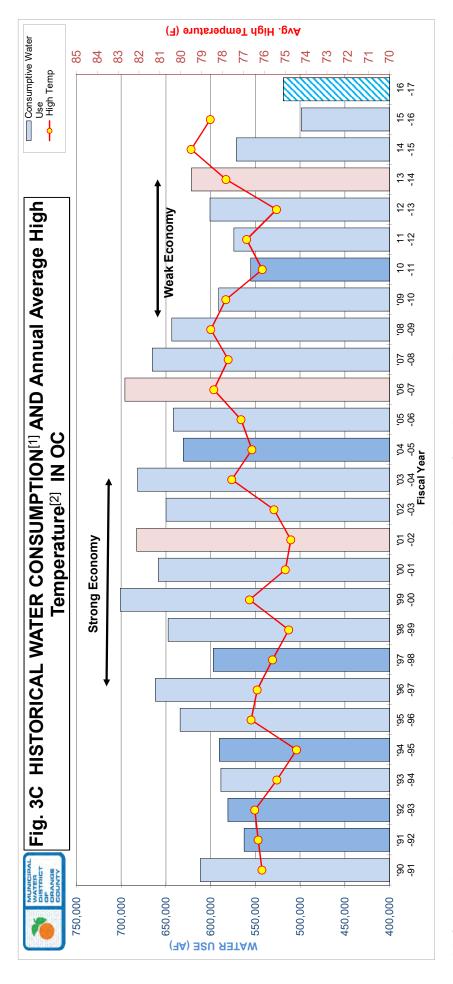


Consumption includes potable, recycled and non-potable usage; excludes Barrier and Spreading water. The most recent data involve some estimation. Population estimates in the 2000s decade were revised by the State Dept. of Finance to reflect the 2010 Census counts. Projection of FY 15-16 water use estimated by MWDOC based on partial-year data.

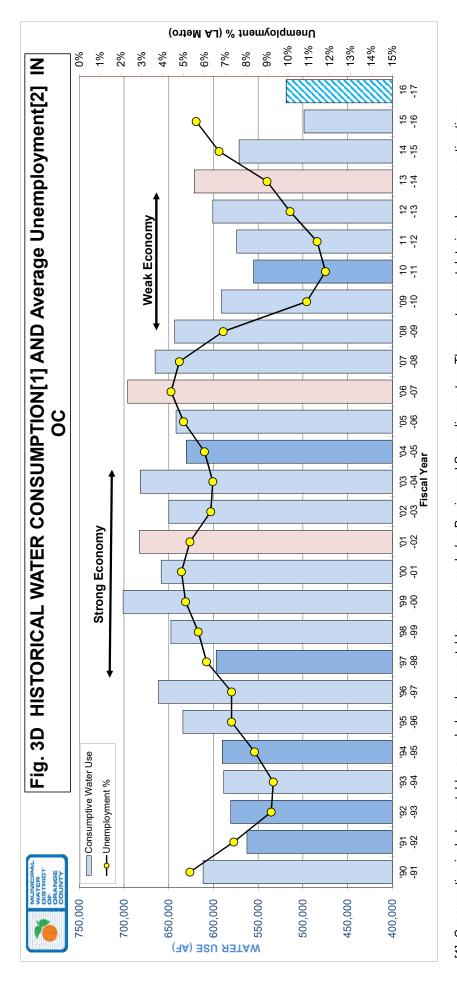
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[1] Consumption includes potable, recycled and non-potable usage; excludes Barrier and Spreading water. The most recent data involve some estimation. [2] Rainfall data from Santa Ana Station #121

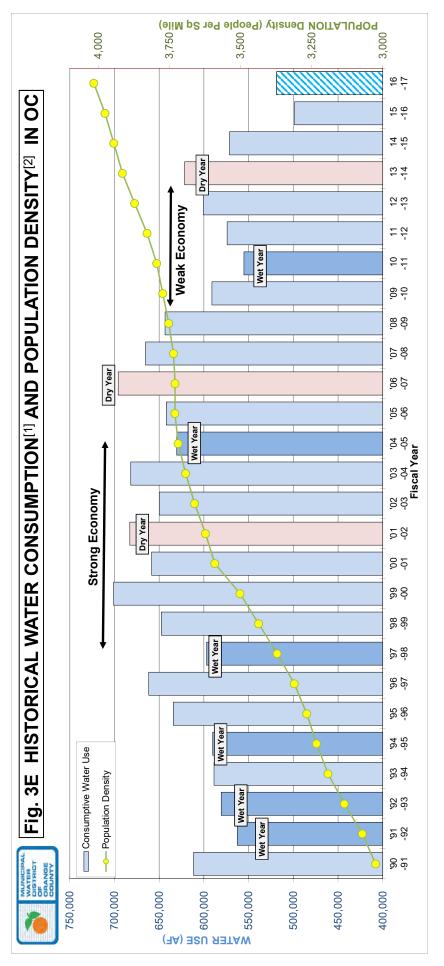


[1] Consumption includes potable, recycled and non-potable usage; excludes Barrier and Spreading water. The most recent data involve some estimation. [2] Temperature data is from Santa Ana Fire Station, elevation 135'

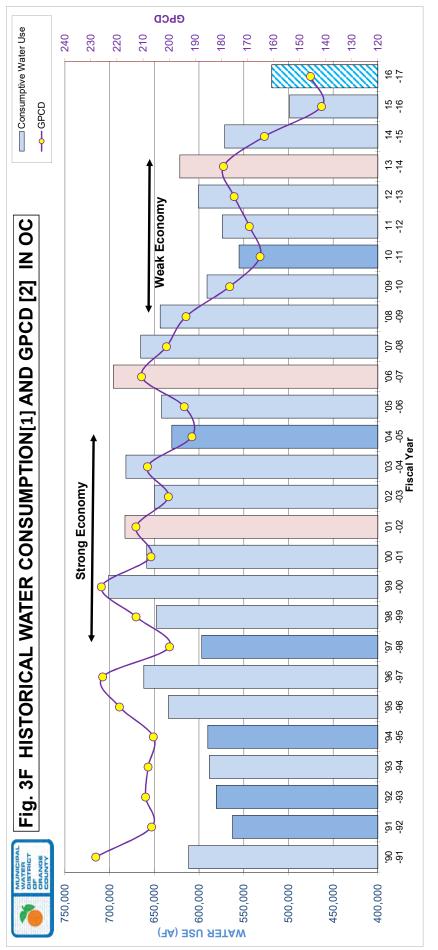


[1] Consumption includes potable, recycled and non-potable usage; excludes Barrier and Spreading water. The most recent data involve some estimation. [2] Employment Data source Bureau of Labor Statistic for Long Beach-L.A.-Santa Ana Metro Area

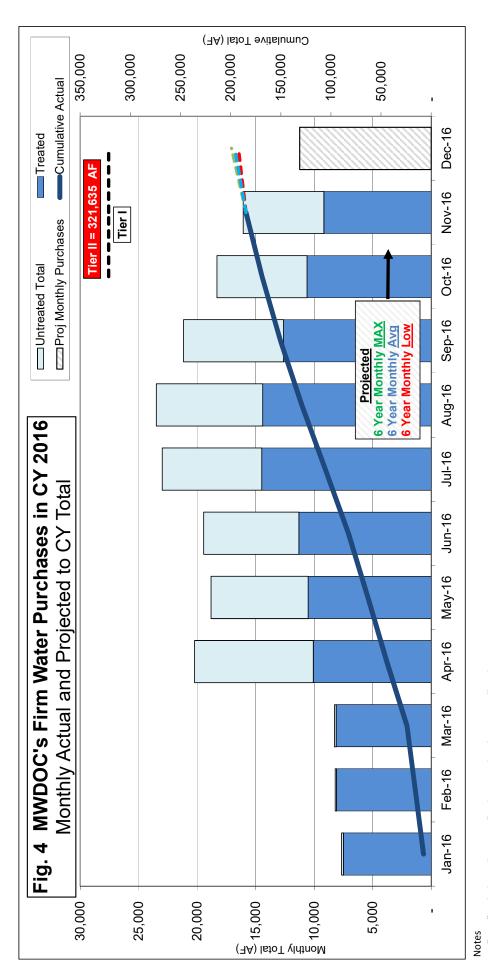
http://www.bls.gov/lau/



[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.



Consumption includes potable, recycled and non-potable usage; excludes Barrier and Spreading water. The most recent data involve some estimation. Gallon per Capita Daily (includes all types of water usage and all type of water users). Ξ



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

thmple calculation. OCWD sets the BPP for the Basin agencies, usually as of July 1st.

MUNICIPAL

WATER

G

OF MUNICIPAL WATER DISTRICT OF ORANGE

prepared by the Municipal Water District of Orange County *numbers are subject to change

12/5/2016 printdate

Accumulated Precipitation

for the Oct.-Sep. water year, through Early December 2016

